

"KDMV Sports Desk" Web Based System for School Sports & Athlete Management

A dissertation submitted for the Degree of Master of Information Technology

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ABSTRACT

"Sports Desk KDMV" web-based Sports and Athlete Management system has been developed to overcome the difficulties and inefficiencies caused by the current manual system. This system enables remote and robust access to all the information related to sport and athletes in the school where, students handling, sports handling, events handling, instructors handling, registering for tournaments conducted by the school, email notification regarding sports activities of the student to the parent/guarding and report handling will be carried out in an automated process. User access levels are limited and access restrictions have been added to the different type of users of the system. Any system user will be able to access the system via internet. Users will be able to access student information, practice schedules, information about sports and information on tournaments depends on the user access levels.

Existed manual systems had drawbacks such as miscommunication among parties which led to delays in the process, had unnecessary amount of paper works and paper trials, poor information flow to external parties of the school regarding sports activities(parents, instructors), unable to reach information and receive updates in timely manner and inaccurate history information on student's sports activities.

System has been implemented using php language while using other technologies such as jQuery, javascript, CSS, Ajax and MySQL where system has a flat file architecture following Agile development methodology. System requirements were gathered from system stakeholders using methods such as questioners, interviews and observations. Apache webserver has been used as the server while phpMyAdmin has been used to develop the database of the system improving agility.

The project has been completed successfully along with user satisfaction where client requirements of a web based robust and efficient system to manage student, sports, tournaments, practices and instructor information in a centralized manner while having the ability to maintain and obtain reports of current and history data, have been fulfilled.

DECLARATION

The thesis is my original work and has not been submitted previously for a degree at this or any other university/institute.

To the best of my knowledge it does not contain any material published or written by another person, except as acknowledged in the text.

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TABLE OF CONTENTS

ABSTR	ACT	I
DECLA	ARATION	Ш
ACKNC	OWLEDGEMENT	v
TABLE	OF CONTENTS	VII
LIST O	F FIGURES	X
LIST O	F TABLES	XIII
СНАРТ	TER 01: INTRODUCTION	1
1.1.	PROBLEM STATEMENT	1
1.2.	MOTIVATION	1
1.3.	AIM AND OBJECTIVES	2
1.4.	Methodology	2
1.5.	SCOPE OF PROJECT	2
1.6.	Chapter Break Down	4
СНАРТ	TER 02: BACKGROUND	5
2.1.	BACKGROUND	5
2.2.	BUSINESS BACKGROUND	5
2.3.	REVIEW OF SIMILAR SYSTEMS	
2.	.3.1 Rank One Sports	6
2.	.3.2 Front Rush	6
2.4.	IMPLEMENTATION TOOLS AND TECHNOLOGIES	7
СНАРТ	FER 03: METHODOLOGY	
3.1.	INTRODUCTION	8
3.2.	ANALYSIS OF CURRENT SYSTEM	
3.3.	REQUIREMENT GATHERING	9
34	DESIGN TECHNIQUES	10
34	1 Propose System Diagram	10
3.4	12 Entity Relationshin Diagram	13
3.4	1.3. Sequence Diagram	14
3.4	4.4. Class Diagram	
3.4	4.5 User Interface Design	
3.4	4.6 User Interface Design – Web Application	
3.5.	IMPLEMENTATION ENVIRONMENT	
3.5	5.1. Client/Server Environment	24
3.5	5.2. Development Tools and Techniques	

3.6.	APPLICATION DEVELOPMENT ARCHITECTURE	25
СНАРТЕ	R 04: EVALUATION	
4.1.	INTRODUCTION	26
4.2.	TESTING PROCEDURE	26
4.3.	TEST PLAN AND TEST CASES	27
4.3.1	. Master Data modules/ Report Module/ Login Module/ Schedule Module	28
4.4.	ACCEPTANCE TESTING	32
4.5.	SUMMERY	34
СНАРТЕ	R 05: CONCLUSION	35
5.1.	INTRODUCTION	35
5.2.	PROBLEM ENCOUNTERED	35
5.3.	LESSON LEARNT	35
5.4.	FUTURE WORK	36
REFERE	NCES	
APPEND	IX A – DESIGN DOCUMENTATION	
APPEND	IX B – USER DOCUMENTATION	49
APPEND	IX C – SYSTEM DOCUMENTATION	72

LIST OF FIGURES

Figure 2.1 Existing Process Use Case	5
Figure 2.2 Sample Form view of Font Rush	6
Figure 3.1 High Level Use Case Diagram	
Figure 3.2 Entity Relationship Diagram	
Figure 3.3 Sequence Diagram Report Module	
Figure 3.4 Class Diagram	
Figure 3. 5 Dashboard User Interface Design	
Figure 3. 6 Log In User Interface Design	
Figure 3. 7 Students List User Interface Design	
Figure 3.8 Instructor List User Interface Design	
Figure 3.9 Practice List User Interface Design	
Figure 3.10 Events List User Interface Design	
Figure 3.11 Sports List User Interface Design	
Figure 3.12 Add Record User Interface Design	
Figure 3.13 Edit Record User Interface Design	
Figure 3.14 Delete Record User Interface Design	
Figure 3.15 Events per Moth Report User Interface Design	
Figure 3.16 Practice Schedules Report User Interface Design	
Figure 3.17 Students for Sports Report User Interface Design	
Figure 3.18 Compare User Interface Design	
Figure 3.19 File Structure	
Figure 4.1 User Feedback Analysis	
Figure A.1 Student Registration – Sequence Diagram	
Figure A.2 Record Insertion/Updating – Sequence Diagram	
Figure A.3 Event Registration– Sequence Diagram	
Figure A.4 Practice Session Update– Sequence Diagram	
Figure B.1 Dashboard – Administrator	
Figure B.2 Dashboard – Student	
Figure B.3 Dashboard – Visitor	
Figure B.4 Add Student	
Figure B.5 Student Registration	
Figure B.6 Main Page	
Figure B.7 Login Page	
Figure B.8 Manage Students – Administrator	
Figure B.9 Manage Students – Student	
Figure B.10 Manage Students – Edit Student	
Figure B.11 Manage Students – Delete Student	
Figure B.12 Manage Students – Compare Students	
Figure B.13 Manage Instructors – Administrator	
Figure B.14 Manage Instructors – Student	
Figure B.15 Manage Sports – Administrator	
Figure B.16 Manage Sports – Student and Visitor	57
Figure B.17 Manage Sports – Add Sports	58
Figure B.18 Manage Sports – Edit Sports	

Figure B.19 Manage Sports – View Sports	59
Figure B.20 Allocate Students	59
Figure B.21 Allocate New Student	60
Figure B.22 Remove Student	60
Figure B.23 Manage Events – Administrator	61
Figure B.24 Manage Events – Student and Visitor	61
Figure B.25 View Event – Administrator	
Figure B.26 View Event – Student	
Figure B.27 View Event – Visitor	
Figure B.28 Manage Event – Add or Remove Students	
Figure B.29 Manage Event – Add or Remove Instructors	64
Figure B.30 Manage Event – Add or Remove Sport	64
Figure B.31 Manage Event – Add or Remove Achievements	
Figure B.32 Manage Practice Sessions – Administrator	
Figure B.33 Manage Practice Sessions – Student and Visitor	66
Figure B.34 Add Practice Session	66
Figure B.35 Update Practice Session	67
Figure B.36 Delete Practice Session	67
Figure B.37 View Practice Session	68
Figure B.38 Students' Achievements – Administrator	68
Figure B.39 Students' Achievements – Student	69
Figure B.40 Students' Achievements – Delete Student	69
Figure B.41 Add Achievement	
Figure B.42 Edit Achievement	
Figure B.43 View Achievement	71
Figure B.44 Compare Students	71
Figure B.45 Events per Month Report	
Figure B.46 Schedule for Time Period Report	
Figure B.47 Students per Sport Report	
Figure C.1 Download XAMPP Control Center	74
Figure C.2 Installing XAMPP	
Figure C.3 Selecting Components	
Figure C.4 Initializing File Location	
Figure C.5 Successful Installation	
Figure C.6 XAMPP Control Panel	
Figure C.7 XAMPP Control Panel – Starting Apache and MySQL Services	
Figure C.8 Localhost Page	
Figure C.9 phpMyAdmin Database	
Figure C.10 Import Database	
Figure C.11 Project Location	
Figure C.12 Accessing Main Page	

LIST OF TABLES

Table 3.1 User Interface Design – Client/Server Architecture	
Table 4.1 Master Test Cases	
Table 4.2 Report Test Cases	
Table 4.3 Login Test Cases	
Table 4.4 Practice Session Test Cases	
Table 4.3 User Questioner Form	
Table A.1 User Management – Use Case	
Table A.2 Use Case Description – Login	
Table A.3 Student Registration – Registration	40
Table A.4 Dashboard – Use Case	41
Table A.5 Add New Record – Use Case	41
Table A.6 Adding Practice Session – Use Case	42
Table A.7 Register to Event – Use Case	43
Table A.8 Update Record – Use Case	43
Table A.9 Delete Record – Use Case	44
Table A.10 Search – Use Case	44
Table A.11 Adding/Removing Practice Session – Use Case	45
Table A.12 Compare Students – Use Case	46
Table A.13 Reports Display – Use Case	46

CHAPTER 01: INTRODUCTION

1.1 Problem Identification

Today we live in a competitive and busy world therefore, managing time and schedules in daily activities plays a big role in everyone's lives. Due to lack of time management we can lose opportunities and money. Not only professional individuals or business organizations will be in benefited by time management but also students and institutes. In our schools or institutes, we have sports schedules and other related activities which require pre-scheduling and tracking but there is no proper system which allows this.

Kottawa Dharamapala Maha Vidyalaya is a school located in Kottawa which offers many sports activities to the student from grade five to thirteen. They have won many school level, provincial level achievements in various sports as well as national level. With the growth of the school over the years it has over 3500 students and it has more than 10 sports activities. Currently they have a manual document-based system to handle all the scheduling and managing records. With the increase of sports activities and the number of students, managing a manual scheduling system has become incontinent and time consuming. Therefore, with more convenient and remote system embedded with latest technology will help the staff and students with more smooth flow of information.

1.2 Motivation

Currently all the schedules of different sports practices are scheduled by athletic teachers and will be displayed in the school notice board weekly. Any changes in schedules and venues will be manually changed and will be updated accordingly where students will have to check daily and reconfirm about the practices. At present there is no proper communication to the parents nor the students when any change is made to the schedule. Information on sports tournaments and matches will have to be accessed via the sports teachers, which is troublesome to both players as well as sports instructors according to the current information flow of the manual system. This has been inconvenient in many occasions where some students were not able to apply to tournaments due to lack of communication.

To overcome this inconvenience as well as to maximize the efficiency of these procedures it was proposed to implement a fully computerized web-based system, which will be include of usability, minimizing all the paper work, reducing time wasting of students, teachers, coaches as well as parents, easy data access, history data tracking , improving data security.

1.3 Aims and Objectives

The main objective is to implement a web base solution for overall processes related to sports activities in the school which will be more efficient and effective.

Follow are the main objectives of the proposed system,

- System can be used internally in the school managing sports related activities.
- Will carry student information who participate in school sports activities though next several years.
- Will accommodate students' information, associated sports, achievements, performance, compare and contrast different players, tournaments information, practice schedules and upcoming events.
- Facilitates to schedule all the practice schedules online and improve scheduling facility.
- Users will be able to generate different reports for analytical decision-making purposes.
- System will improve information distribution by notifying practices/tournaments schedules changes and cancellations to the guardians of the students in the system.
- Implemented portal will accommodate the functionality for students to apply for tournaments related to their sports or to sign up for sports which they are interested in.
- System will streamline news and information regarding sports beyond the school with regard to new improvements on sports, new laws, new techniques and other motivational information.
- Ability to parents to view information of their child(ren)'s sports activities, such as, practice participation history, scheduled practices or tournaments, participated or upcoming tournaments or their achievements

1.4 Scope of the Project

Listed below is the scope of the project;

- Manage student and sports activities details.
 - 1. System will facilitate students to search information regarding sports schedules, information on tournaments before applying or registering for a sport/tournament. Will also have the facility to view the others who have registered for the particular sport/tournament.
 - 2. All the students should be registered to the system with the student number to register to apply/register for a tournament.
 - 3. Records will be maintained for the students who have already participated in tournaments with the achievements.

- Handle online registering for a sport or a tournament
 - 1. Upon registering for a sport/tournament student and parents will be notified via Email.
 - 2. Student will be able to view sport/tournament details.
 - 3. System will remind student and parent regarding practices via Email.
 - 4. System will notify student and parent regarding changes and cancellations on schedules via Email.
 - 5. System will store registration details.
- Facilitate all student sports records and history to be computerized.
 - 1. System will allow admin users to enter records of students on their participations for tournaments/practices and achievements.
 - 2. System will allow admin users to access data of students and compare.
 - 3. System will allow admin users to print detailed history on student's sport activities.
- Handle scheduling process online.
 - 1. System will handle all scheduling of practices and tournaments online. Upon a practice schedule, all the students who are enrolled will be notified via an email.
 - 2. System will automatically send an email notification upon any cancelations and changes of schedules.
 - 3. System will allow to printing facility and store schedule details and participant lists.
- Maintain sport instructors' details.
 - 1. System will store and maintain all sports instructors' details.
- Manage view of system to separate users.
 - 1. System will have three main login types, Admin, Student and Visitor.
 - 2. System will allow different access levels to separate login types. Example:

Admin: Enter data and generate reports Student: View details and register for activities Visitor: Basic information on sports activities

- Facilitate to generate accurate reports for analysis purposes.
 - 1. Current Student List Enrolled Sport Wise
 - 2. Current Student Base, Sports Instructors Base
 - 3. Schedule Details(weekly, monthly) Sport wise
 - 4. Student Sport History Details Can be compare with two students
 - 5. Tournaments Details(monthly)

1.5 Dissertation Outline

Dissertation is the document which contains overall information of the project in chapter wise. This dissertation contains six main chapters followed by reference and appendix.

Chapter 01: Introduction

This chapter provides a brief introduction and overview to the reader. Project introduction, scope and objectives are included in this chapter

Chapter 02: Background

This chapter discusses on the background study for the project and describes on the research done on similar systems including tools and technologies used in implementation.

Chapter 03: Analysis and Design

Requirement gathering techniques on functional and non-functional requirement gathering and requirement analysis is described in this chapter.

Methodologies, techniques and tools used to design the system is included in the Design chapter. User interface, modules and database is taken into consideration while deciding on a design for the system as well.

Chapter 04: Implementation

This chapter discusses on the implementation of the system and it describes used software and hardware, database implementation and coding modules which were used in converting specification into an executable system.

Chapter 05: User Evolution and Testing

System testing methods and tools are discussed in this chapter. Error preventing measures and error correcting methods are described as well.

Chapter 06: Conclusion

This chapter contains limitations of the project, achievements, difficulties encountered while carrying out the project and further enhancements of the project.

Reference

All the books, URL references and other referred material is including in this section with appropriate reference material.

Appendix

This includes supplementary parts and further details in related to the chapters.

CHAPTER 02: BACKGROUND

2.1 Background Identification

Today we live in a competitive and busy world therefore, managing time and schedules in daily activities plays a big role in everyone's lives. Due to lack of time management we can lose opportunities and money. Not only professional individuals or business organizations will be in benefited by time management but also students and institutes. In our schools or institutes, we have sports schedules and other related activities which require pre-scheduling and tracking but there is no proper system which allows this.

2.2 Business Background

Kottawa Dharamapala Maha Vidyalaya is a school located in Kottawa which offers many sports activities to the student from grade five to thirteen. They have won many school level, provincial level achievements in various sports as well as national level. With the growth of the school over the years it has over 3500 students and it has more than 10 sports activities. Currently, they have a manual document-based system to handle all the scheduling and managing records. With the increase of sports activities and the number of students, managing a manual scheduling system has become incontinent and time consuming. Therefore, with more convenient and remote system embedded with latest technology will help the staff and students with more smooth flow of information.

Below is the existing manual process use case diagram which clearly shows the inefficiency of the current process,



Figure 2.1 Existing Process- Use case

2.2 Reviews of Similar Systems

2.2.1 Rank One Sports

URL: <u>https://www.rankonesport.com/content/</u>

Rank One Sports[1] is a software which used in sports industry which has many features in connecting athlete with coaches. It provides the ability to view status of athletes to a coach at any given time. It provides a gateway to collect, store and change data on athletes for the management via forms. Any party who has authorized access to the system will be able to retrieve and view data from location where they have internet access. They provide users with historical data of the athletes as well. This provides reporting features, scheduling features as well as different levels of user accesses as well. System is controlled in a local level with multiple users.

Drawbacks of the system, which are addressed by the proposed system:

- This does not cater small and medium scale schools.
- Does not cater separate user views for parents, students, teachers and instructors.
- Does not cater enrolling students to tournaments via the software.
- Does not facilitate comparing student history.

2.2.2 Front Rush

URL: https://www.frontrush.com/web/#anchor-u34513

Compliance Solution in Front Rush[2] provides roster management, student-athlete forms, playing and practice season log verification, and complimentary admissions. They provide the access to the administrator to access and view all practice logs and get a countable measure of the athletic related activity for each team.

This will allow coaches to create and schedule their calendars and events which they participate. This will also provide an easy access to gathering data from the students via customized forms which can be updated via admins and other accessible parties. Customized report generation is also one of the main features they have. These services can be accessed via any platform which enables internet as well.



Figure 2.2 Sample Form view of Font Rush

Drawbacks of the system, which are addressed by the proposed system:

- The cost of the software makes it unreachable to most of the institutions.
- This is more focused on reports and statistics than managing schedules, therefore, lack of practice/tournament scheduling.
- Does not facilitate the parents to view their child(ren)'s information.

2.1 Implementation Tools and Technologies

Proposed system will be used by business users who are not familiar with programming. Therefore, system should be understandable and user friendly. Latest technologies and tools will be used for development. The system will be using php language as the main platform with MySQL [8] as database, Ajax for form submission and HTML for base interface of the system. Other than system will use bootstrap framework, CSS [6], [10] for styles and java scripts, jQuery will be using as front-end technologies.

CHAPTER 03: METHODOLOGY

3.1 Introduction

This chapter gives an overview of system analysis and system design. Software design phase is an iterative process in which requirements gathered in analysis are translated into a "blueprint" in building the system. Afterwards this can be elaborated into detailed functional and behavioral requirements. The output of the design phase is the system specification.

3.2 Analysis of Current System

To recognize main system functionalities, it is vital to analyze the current system methodologies. Domain analysis was carried out through certain fact gathering techniques such as interviews, observations and manually maintained logs. Currently organization does not have any type of an automated system to carry out identified functionalities of the proposed system.

According to analysis following system functionalities were identified.

- Maintain student & instructor details
- Maintain history data per student
- Maintain sports tournament details
- Maintain dashboard for students
- Maintain dashboard for parents
- Maintain practice schedules
- Generate reports based on history and current data against students

3.3 Requirement Gathering

Several kinds of techniques were engaged here to capture requirements [15],[16][from different stakeholder perspectives. The main approaches used for requirement gathering process were; interview, observation, document review and scenarios.

Both open ended and close ended interviews were conducted for prompt existing and also to identify new problems. Relevant documents and current manual system flow were studied through a sampling observation methodology. Captured facts were represented using scenarios. Use case diagrams, ER diagrams have been derived from the functional requirements gathered via above techniques. Based on the gatherings main three user roles were identified, such as, Student, Visitor and System Administration.

Functional Requirements identified:

Common Functions

- User logins based on user roles
- Manage passwords
- System logout

Student

- View practice sessions
- Request enrollment for tournaments
- View events and sports
- Manage profile

Parent(visitor)

- View practice sessions of the child
- View history of student activity
- View sports information
- View achievements of their child

Teacher(admin)

- View/add/update/delete student profile/achievement information
- View/add/update/delete sports or practice information
- View/add/update/delete instructor information
- Generate reports
- Compare student history

Apart from the functional requirements of the system non-functional requirements have been identified. Non-functional requirements generally specify the system's quality attributes or characteristics. They describe how a system should behave and what limits there are on its functionality

Non-functional requirements identified:

- Flexible interfaces with user friendly environment
- Personal who have average computer literacy should be able to gasp the system in short time period.
- The system should be accurate and consistent.
- Should handle security related risks thoroughly since the system will be a web base application.
- Backup procedures should be on place.
- Adoption for future implementations should be enabled.

3.4 Design Techniques

Design techniques are the techniques use to model the system. There are different design techniques such as Modern Structured design, Rapid Application Development, and prototyping. Object Oriented design technique was chosen out of them because of code reusable and recycling facility, design benefits and maintainable facilities with Objects and classes.

Other reasonings to the selection,

- Transparency By using agile methodology system complexity can be reduced.
- Collaborative Effort Clients are obligated to actively participate in the requirements definition process, thus reducing unknowns and making the overall process more efficient.
- Project size is medium.
- Customer is available throughout the project.
- Customer requirements are not stable.

Unified Modeling Language (UML) plays a significant role in Object Orient designing. UML allows programmers easy understand models of objects so that programmers can easily write software. Some of structural and behavioral UML diagrams use for design proposes systems are mentioned below.

- Use-Case diagrams with some narratives shows what the system needs to do.
- Sequence diagrams shows how the objects interact overtime.
- ER diagrams shows how entities of the system interconnect.
- Class diagrams shows the needed objects and relationships between them.

3.4.1 Propose System Design



Diagram in Figure 3.1 depicts the overall high level Use-Case of the proposed system.

Figure 3.1 High Level Use Case Diagram

Identified high level system functionalities are as follow based on the requirements gathered,

- Manage student and instructor details.
 - Student and Instructor users will be able to view retrieve and insert data to the system as per the access privileges.
 - Edit Student/Instructor basic details
 - View Student details
 - View History
 - View News Feed
- Handle online registering for a sport or a tournament
 - Users should be able to enter entries for tournaments.
 - Users should be able view sports/tournament details.
 - Student will be able to view sport/tournament details.
 - Admin users should be able to view all entered/updated details via other users.
 - System will store registration details.
- Facilitate all student sports records and history to be computerized.
 - System will allow admin users to enter records of students on their participations for tournaments/practices and achievements.
 - Admin users will have privilege of view, sort, compare or generate reports based on history data.
- Facilitate practice scheduling process online.
 - Systems users should be able to view practice schedules.
 - System should enable admin users to enter or update practice schedules.
 - System to have notification mechanism to notify any related parties of any change in practices.
- Manage view of system to separate users.
 - System will have three main login types, Admin, Student and Visitor.
 - System will allow different access levels to separate login types.

3.4.2 ER Diagram

Diagram in Figure 3.2 depicts the overall Entity Relationship diagram of the proposed system.



Figure 3.2 Entity Relationship Diagram

3.4.3 Sequence Diagram





Figure 3.3 Sequence Diagram Report Module

Note: Report module will be accessible only for admin users, whom are teachers/academic staff.

3.4.4 Class Diagram

Class diagrams support to carry out conceptual and domain modeling. A conceptual model represents objects and classes from a particular system user's perspective. The following class diagram in Figure 3.4 depicts the overall classes system of the system.



Figure 3.4 Class Diagram

3.4.5 User Interface Design

User interface is the primary and very first interaction with user and system. So it should interactive to user. User Interface (UI) Design focuses on what users expecting through system and ensuring that the interface has fundamental facilities which are easy to understand, access and use There are some properties that user interface must have,

- Avoid unnecessary elements and keep interface simple:
- Purposefully use color and texture: make direct attention toward or redirect attention away from items using color, texture, contrast.
- Use auto select options as well as let the users select options for better flexibility.
- Use common UI elements and build consistency: By using more comfortable common elements, for users and able to get things done fast.
- Use typography to create hierarchy and clarity: Different sizes, fonts, and arrangement of the text to help increase scalability, legibility and readability.

Following are the main mock up user inter interfaces designs used in the system which have been designed using an online application called Mockflow[29].

3.4.6 User Interface Design – Web Application

Below are the initial mock user interface designs of the web application.

	{
← → ↔	sportsdesk
	Logout Back
Students	Students Events Sports
Instructors	
Events	Practice Instructors
Sports	
Practice	News Feed
Reports	

Figure 3. 5 Dashboard User Interface Design

	Moqzilla
+ + C http://sportsd	lesk.com
User Name	Email Address
Password	Password
Login	Register

Figure 3. 6 Log In User Interface Design

		Moqzilla		
← → ↔ h	ttp://sportsdesk.com			
Students	Manage Student	s Search	Logo	out Back d Delete
Instructors	▼ Number	▼ Name	▼ Grade	▼ Address
Events	Cell 1	Cell 2	Cell 3	
Sports	Cell 4	Cell 5	Cell 6	
Practice	Cell 7	Cell 8	Cell 9	
Reports	Cell 10	Cell 11	Cell 12	
	_			

Figure 3. 7 Students List User Interface Design

		Moqzilla		
← → 	://sportsdesk.com			
Students	Manage Instru	ctors Searc	Log	gout Back dd Delete
Instructors	▼ Name	▼ Sport	▼ Tel	▼ Address
Events	Cell 1	Cell 2	Cell 3	
Sports	Cell 4	Cell 5	Cell 6	
Practice	Cell 7	Cell 8	Cell 9	
Reports	Cell 10	Cell 11	Cell 12	

Figure 3. 8 Instructor List User Interface Design

			Moqzilla					
← → ↔ http://sportsdesk.com								
A •					Logout	Back		
Students		lanage Pra	actices Sea	irch	Add	Delete		
Instructors		▼ Sport	▼ Description	▼ Date	▼ Time	▼ Location		
Events		Cell 1	Cell 2	Cell 3				
Sports	5	Cell 4	Cell 5	Cell 6		þ		
Practice		Cell 7	Cell 8	Cell 9				
Reports		Cell 10	Cell 11	Cell 12				
]		 0		L		

Figure 3.9 Practice List User Interface Design

			Moqzilla		,
← → 	http://s	sportsdesk.com			
Students	N	/lanage Events	Search	Logo	ut Back
Instructors		▼ Event Title	▼ Sport	➡ Duration	▼ Location
Events	-	Cell 1	Cell 2	Cell 3	
Sports	0	Cell 4	Cell 5	Cell 6	þ
Practice		Cell 7	Cell 8	Cell 9	
Reports		Cell 10	Cell 11	Cell 12	
	L]		1	·

Figure 3.10 Events List User Interface Design

			Moqzilla				
← → C http://sportsdesk.com							
Students		lanage Spo	orts Searc	Logou Add	It Back		
Instructors]	▼ Sport	▼ Description	▼ Age Limit	▼ Location		
Events		Cell 1	Cell 2	Cell 3			
Sports		Cell 4	Cell 5	Cell 6	p		
Practice		Cell 7	Cell 8	Cell 9			
Reports		Cell 10	Cell 11	Cell 12			
]		0			

Figure 3.11 Sports List User Interface Design

{		
← → ○ "type": "selection",		
		Logout Back
	Add Studer	nt/Instructor/Practice/Event
Students	Name	То
Instructors	Grade	From
Events	Address	From
Sports	Parent Email	From
Practice		
Reports		Save Cancel
	L	

Figure 3.12 Add Record User Interface Design
		{
← → ↔ "typ	e": "selection",	
A °	Edit Studer	Logout Back
Students	Name	То
Instructors	Grade	From
Events	Address	From
Sports	Parent Email	From
Practice		
Reports		

Figure 3.13 Edit Record User Interface Design

← → ↔ "type": "selection"		{	
	→ ↔ "type": "	"type": "selection",	
Logout Back Students Delete Student/Instructor/Practice/Event Instructors Are you sure you want to remove this record? Events Yes Sports Practice Reports	idents tructors ents orts actice ports	Logout Back Delete Student/Instructor/Practice/Event Are you sure you want to remove this record? Yes Cancel	ck

Figure 3.14 Delete Record User Interface Design

	Moqzilla	
← → ↔	http://sportsdesk.com	
	Logout Back]
	Events for Month Search Get	
Students	 April 22, 2012 	
Instructors	Su Mo Tu We Th Fr Sa	
Events		
Sports	15 16 17 18 19 20 21	
Dractice	_ 22 23 24 25 26 27 28	
Practice	29 30	
Reports		
	_	

Figure 3.15 Events per Moth Report User Interface Design

	Moqzilla
← → œ[http://sportsdesk.com
Students	Logout Back Schedule From To Get
Instructors	▼ Sport ▼ Location ▼ Duration
Events	
Sports	
Practice	
Reports	

Figure 3.16 Practice Schedules Report User Interface Design

[Moqzilla			
← → ↔	http://s	sportsdesk.com				
				Logout	t Ba	ck
Students	S	tudent for Sport	Search	Get		-
Instructors		▼ Name	▼ Grade	▼ Address	5	
Events						
Sports						
Practice						1
Reports						1
	1					

Figure 3.17 Students for Sports Report User Interface Design

	{	
← → ⊙	sportsdesk	
	Compare Stude	Logout Back
Students	Student 01	Student 02
Instructors	Student 01	Student 02
Events	Sports	Sports
Sports	Events	Events
Practice		
Reports	Practices	Practices

Figure 3.18 Compare User Interface Design

3.5 Implementation Environment

3.5.1 Client/Server Environment

System hosted location and client server architecture operators are considering in this environment. Server environment is used to host developed system, which can handle all the data processing activities. Server should be a Mid-upper range server with 8 GB RAM and 300 GB Storage.

Client software run in between the user and server be responsible for a user interface for user to cooperate with the server.

Hardware	Software
2.4GHz CPU or upwards	Windows 2008 (64 bit) or higher Operating
	System
2GB RAM	Any web browser with javascript support
At least 120GB hard disk	

Table 4. 1: Hardware and software requirements of client environment

3.5.2 Development Tools and Techniques

- NotePad++ Text Editor.
 - For scripting php[27] pages and functionalities of the project.
- XAMPP Control Panel
 - Allows to test client server services in the local machine with Apache and MySQL services.
- Apache Server
- php will be run on this apache server which is an open source server.
- MySQL[7] server
- Adobe Photoshop CC
- PHP as the development Language

- MySQL as the database on phpMyAdmin [21],[22]
- JavaScript[19], CSS[9] and JQuery[12] for client-side activities and styling
- Ajax[11], [18], [28] for form submission functionality handling
- HTML[5] as base user interface of the system

3.6 Application Development Architecture

This system was developed in a flat architecture. Which allow flexibility to the php project along the implementation. Web pages and functionalities is written in separate text files. File structure will be as follows,

u v sports desk				
File Home Share View				
🔺 🗈 📋	🖌 Cut 📄 📑 🗸	🕂 📑 🐴 New ite	m 🕶 📑 📑 Open 🔻	
	🖬 Copy path	🕂 📜 🖡 🗍 Easy acc	ess 🗸 🔀 📝 Edit	B Select none
Pin to Quick Copy Paste	Paste shortcut to y to y	ename New folder	Properties	
Clipboard	Organize	New	Open	Select
	DC + Desuments + Other + Desiret + D			
	s PC > Documents > Other > Project > P	roject files > PHP > sport	is desk >	
	Name	Date modified	Type Size	
🖈 Quick access	functions	5/27/2019 8:28 PM	File folder	
📃 Desktop 🛛 🖈	images	5/3/2019 7:01 PM	File folder	
👆 Downloads 🛛 🖈	style	5/3/2019 7:01 PM	File folder	
🔮 Documents 🛛 🖈	admin_dashboard.php	5/1/2019 10:10 PM	PHP File 17	KB
Pictures 📌	compare_students.php	5/1/2019 10:10 PM	PHP File 31	KB
05-03 no cc for tl 🖈	events_list.php	5/1/2019 10:10 PM	PHP File 26	KB
Caracter Control of A	index.php	2/18/2019 8:33 PM	PHP File 3	KB
Screens	instructors_list.php	5/1/2019 10:10 PM	PHP File 30	KB
Student list	login.php	5/1/2019 8:00 PM	PHP File 8	KB
Textbook	ogout.php	2/20/2019 6:45 PM	PHP File 1	KB
Visitor	practice_sessions_list.php	5/2/2019 12:10 AM	PHP File 29	KB
ConeDrive	register.php	4/11/2019 1:25 PM	PHP File 10	KB
Chebrive	report_compare_students.php	5/1/2019 10:10 PM	PHP File 15	KB
💻 This PC	report_events_per_month.php	5/1/2019 10:10 PM	PHP File 15	KB
🧊 3D Objects	report_schedule_for_time_period.php	5/1/2019 10:10 PM	PHP File 18	KB
E Desktop	report_students_per_sport.php	5/1/2019 10:10 PM	PHP File 16	KB
Documents	sports_list.php	5/27/2019 7:40 PM	PHP File 28	KB
Downloads	sports_student_allocation.php	5/1/2019 10:10 PM	PHP File 23	KB
	student_achievments.php	5/1/2019 10:10 PM	PHP File 27	KB
	student_dashboard.php	5/1/2019 10:10 PM	PHP File 19	KB
Pictures	student_list.php	5/1/2019 8:54 PM	PHP File 29	KB
📑 Videos	view_event.php	5/1/2019 11:53 PM	PHP File 38	KB
🔛 OSDisk (C:)	view_practice_session.php	5/1/2019 10:10 PM	PHP File 18	KB
A Network	view_sports.php	5/1/2019 10:16 PM	PHP File 22	KB
WELWOIK	view_student.php	5/1/2019 10:10 PM	PHP File 37	KB
	visitor_dashboard.php	5/1/2019 8:36 PM	PHP File 19	KB

Figure 3.19 File Structure

CHAPTER 04: EVALUATION

4.1 Introduction

Software testing is a critical component of software quality assurance that represents the ultimate analysis of specification, design, and code generation of software product. The testing method [14] is basically combine with Verification and Validation. Validation refers to testing whether the system satisfies the requirements while verification refers to whether the system implements the specified functions properly. Basic goals of test evaluation is determining whether the promises about the invention by the supplier and the requirements of the customer are met on an acceptable level.

4.2 Testing Procedure

Software testing and implementation are iterative processes. Most of the time both stages work as simultaneous system components. The propose system was tested while the development was ongoing. Following iterative RUP development life cycle made it possible to test Iterative increments of the software.

Structural testing techniques were followed in this phase including "white box" testing which tests "how a program/system does something". Functional testing techniques were used, which includes "black box" testing which tests the behavior of a system or program. These techniques were exploited in different testing levels like unit testing.

System followed object-oriented methodology, so object-oriented testing was also carried out in this phase. Individual operations associated with objects were tested initially, followed by testing individual classes and clusters of objects, and finally test the system as whole. User acceptance testing was completed in client site, participation of few staff members.

4.3 Test Plan and Test Cases

Testing begins with the implementation, code is reviewed while developing stage for testing. Test plan included all phases of testing and also used as a guide for the overall testing process. Before the system implementation, the test plan was designed. A test plan includes: test objectives, schedule and logistics, test strategies and especially test cases.

Test cases were created according to the designed test plan. That contains data, procedure, and expected result and represents which use to system or part of the system run. To reduce complexity of the testing process test cases were designed for each module independently. The following tables specify some test cases.

Below tables tabulates some test cases for test basic functions,

4.3.1 Master Data modules/ Report Module/ Login Module/ Schedule Module

	Master Data module		
	Student Registration		
Tested	Instructor Registration		
Component	Event Details		
Description	Student/Instructor/Tournament(E	Event) Data Insertion	
Test Scenari	o Description		
No	Test Scenario	Expected Output	Actual Output
	Enter all the mandatory fields in	User should be viewed with a	"Successfully Added"
	the Student Registration form	success message of data	message will be
1	and submit	insertion	displayed
	Enter all the mandatory fields in	User should be viewed with a	"Successfully Added"
	the Instructor Registration form	success message of data	message will be
2	and submit	insertion	displayed
	Enter all the mandatory fields in	User should be viewed with a	"Successfully Added"
	the Event Details Entry form	success message of data	message will be
3	and submit	insertion	displayed
	Searching for a detail of a		Data will be viewed in
	student/instructor/event entered	Data should be viewed once	an overlapping
4	in the system for a Admin user	click on Search	window
	Secreting for a datail of a		Date will be viewed in
	student/instructor/event entered	Data should be viewed once	Data will be viewed in
5	in the system for a Student	click on Search	window
5			
	Undating datails of a	Data should be undeted once	Data will be updated
	Updating details of a	Data should be updated once	and Successfully
6	in the system for a Admin user	button	be displayed
0	In the system for a Admin user	Student user login will not	be displayed
	Undating details of a	have edit option in	Edit button is not
	student/instructor/event entered	Instructor/Tournament/Student	available for the
7	in the system for a Student	details view	Student user
,			Data will be updated
	Deletion of a	Data should be updated once	and "Successfully
	student/instructor/event entered	user enter and click on Update	Updated" message will
8	in the system as an Admin user	button	be displayed
		Student user login will not	
	Deletion of a	have Delete option in	Delete button is not
	student/instructor/event entered	Instructor/Tournament/Student	available for the
9	in the system as a Student user	details view	Student user
			On Save/Update if any
			data are missing in the
			form error message is
			displayed "Please
	Mandatory data fields	User should be displayed with	complete all
10	indication for missing data	missing data fields	mandatory data" and

			missing data fields will be outlined in red.
	Database validation on		Database data will be
	insertion/update/deletion of	Database tables should be	changed as per the
11	data	updated as per the action	action
			Upon entering invalid
			data type for a field,
			one user click outside,
			error message will pop
		Error message should indicate	up saying "Invalid
	Invalid data type inputs for	that entered value type is	Data Entry. Please
12	fields	incorrect	correct your data"

Table 4.1 Master Test Cases

Tested	Report Module		
Component	Report		
Component			
Decorintion	Banart Constantion		
Description	Report Generation		
Test Scenari	o Description		
No	Test Scenario	Expected Output	Actual Output
			User can select a Sport
			from the Sport drop
			down and select a
			month via the calendar
		User should be able to view	and list of registered
		registered students with	students is displayed
1	Report generation - Sport wise	respect to the Sport selected	with limited no of data
			User can select the
			type of the users want
			to get via the drop
			down(students/instruct
			ors) and all the data
			related will be
	Report generation – Events per	User should be able to view	displayed on click of
2	month the system	data as per the selected month	View button
			User is able to,
			select a sport (via
			drop down of available
			sports
			select a time frame
		User should be able to view	(month, week).
	Report generation – Schedules	summery of schedules sport	Dates, Times and
3	details	wise for a given period of time	Instructor name is

			listed in the generated report
	Report generation - Student in	User should be able to view summery view of the student in	User is given the option of selecting the sport from the pre inserted sports in the system and will be able to view enrolled
4	sports	sports for sleeted	students.
		Colander should have valid	Futuredatesfor,StudentHistory,StudentRegistration,Student/Instructoralldata are disabled in thecalendarFuturedatesforTournamentsDetails,Schedulesare enabled
5	Calendar date validation	dates enabled	in the calendar
	Fields verification - Click on View without selecting from	User should be notified with	On click unselected fields which are mandatory factors for the report will be highlighted in red and will display "Please select values for the
6	selection criteria available	the relevant input data fields	fields" error message

Table 4.2 Report Test Cases

Tested	Login Module		
Component	Login Page		
Description	Login Combinations		
Test Scenari	o Description		
No	Test Scenario	Expected Output	Actual Output
			Once the click on
			Log In, will be
		User should be able to login	validated and
		with a valid user name and	redirected to the
1	Login - Positive	password	home page
			Error message will
			be displayed as
		User should not be able to	"Username or
		login with an invalid user	Password is invalid.
2	Login - Negative	name and password	Please try again"
			Once click on Login,
		Error message should be	empty field is
3	Empty field validation	displayed	outlined in red

Table 4.3 Login Test Cases

Tested	Practice Session Module		
Component	Practice Session		
Description	Practice Session Data Insertion	/update	
Test Scenarie	o Description		
No	Test Scenario	Expected Output	Actual Output
	Enter all the mandatory fields	User should be viewed with a	"Successfully
	in the Schedule form and	success message of data	Added" message will
1	submit	insertion	be displayed
			Data will be viewed
			in an overlapping
	Searching for a detail of a	Data should be viewed once	window one user
2	schedule	click on Search	select the sport
	Enter all the mandatory fields	User should be viewed with a	"Successfully
	in the Tournament Details	success message of data	Added" message will
3	Entry form and submit	insertion	be displayed

			Data will be updated and "Successfully Updated" message will be displayed and
			and send to the
	Updating details of a Schedule	Data should be updated once	emails of
	entered in the system for a	user enter and click on Update	participating
4	Admin user	button	students guardians
			On Save/Update if
			any data are missing
			in the form error
			message is displayed
			"Please complete all
			mandatory data" and
			missing data fields
		User should be displayed with	will be outlined in
5	Mandatory fields indication	missing data fields	red.

Table 4.5 Report Test Cases

4.4 Acceptance Testing

The user acceptance testing was conducted in actual working environment of Kottawa Dharmapala Maha Vidyalaya. Users were selected from the employees and were asked to work with related modules in system according to their privileges. Activities were monitored while users working with the system.

To consider as a successful project the outcome needs to be accepted by the end users. Therefore, system was handover to users for test run with questionnaire to capture the customer feedbacks. Questioner was distributed to a selected sample of different users.

Results of the user feedback analysis and the questioner provided are as follow,



Figure 4.1 User Feedback Analysis

)at	e :	Name :		Designation	n :
ap	ppreciate your help in evaluation wers to below questions. Pu	nting new sol t "X" to app	ftware to yo ropriate col	ur shop by fill umn.	ing short
ŧ	Question	Strongly Agree	Agree	Disagree	Strongly Disagree
1	Interfaces are simple and understandable				
2	Systemdisplayinformationmorefamiliar				
3	Easily navigate through system				
4	Functions are more reliable				
5	System provides sufficient information				
6	Degree of Information provided in Reports.				
7	Ability to maintain data, to keep it up-to date.				
8	Ease of entering/ handling form fields, and handle manipulations.				
Co	nments				

Table 4.6 User Questioner Form

4.5 Summary

After full testing cycle user and comments, system was developed successfully and according to positive user reactions shows they accepted the system. When consider user acceptance test results all the functional requirements given by the client were fulfilled and the users can carry out their tasks effectively and efficiently with new system. Few minor modifications were made to the system according to the user feedback.

Such as,

- UI color schemas used in the dashboards.
- Data input validations in form fields(ex: allowing only 4 digits for the Year field of the Sports information form).
- Adding the toggle option.
- Adding back functionality in the application rather than using the function in the browser.

CHAPTER 05: CONCLUSION

5.1. Introduction

This chapter author explains about the objectives achieved, problems encountered and the future enhancements of the developed system. KDMV Sports Desk is a web base system which is designed to cater scheduling and internal management of sports and athletic processes in Kottawa Dharamapala Maha Vidyalaya.

Main focus of implementing the web base system is the accessibility an availability of the information to the administration as well as other users. This has overcome many drawbacks in current manual system in many aspects.

5.2. Problem Encountered

Below are the obstacles faced while carrying out the project,

1. Requirements gathered were not clear or consistent as the clients were not clear about the scope of the functionalities they require from the new proposed system. Finalizing the requirements and signing off was hard to achieve since clients were varying their expectations with regard to the lack of technical knowledge of most. Even after the requirement clarification, after the first prototype is introduced client required various user interface changes as well as functionality changes to simplify the system.

2. System development technologies were differ from the original technologies since due to lack of technical knowledge in the area of initial selected implementations. Therefore, system needed to be implemented later than the expected time line.

3. Since the technical knowledge is limit and has been outdated needed to refer tutorials, videos and various other materials to fill the knowledge gap. This consumes more time from the implementation time. Even though report and the system has been developed meeting appropriate deadlines.

5.3. Lesson Learnt

Below are the observations gained while carrying out the project,

- Author gained on hand experience on requirement gathering using various techniques such as interviews, observations and referring manuals. These have added more knowledge on how to start a project initially and to move on. As well as how to communicate effectively with the clients on gathering requirements and providing with solutions.
- Author has had the chance to implement a project with various technologies, which some had been updated and some newly introduced, such as Adobe Photoshop, Aja,

and Bootstrap. Author has gained considerable knowledge while working with these technologies.

• Author got the opportunity to have practical use of test planning, time and resource management.

5.4. Future Work

As per the feedback obtained from user acceptance testing following functionalities were identified to be implemented in the future. Which will be useful in making the system more efficient, effective and user friendly.

- 1. Integrating the system with government sports sites
- 2. Enabling SMS functionality for parents or students to receive updates on their enrolled events or practices
- 3. Enable chat functionality where parents can discuss instructors on students' progress
- 4. Develop a mobile application
- 5. Enable News Feed or Live casts
- 6. Integrate the system with private practices recommended by schools
- 7. Integrate Print functionality for the records

REFERENCES

- [1.]*Homepage-RankOneSport*. [online] Available at: https://www.rankonesport.com/content/ [Accessed 26 July 2018].
- [2.] *Front Rush*. [online] Available at: https://www.frontrush.com/web/#anchor-u34513 [Accessed 26 July 2018].
- [3.]*PHP 5 Tutorial*. [online] Available at: https://www.w3schools.com/php/ [Accessed 28 May 2018].
- [4.] *Learn PHP Free Interactive PHP Tutorial*. [online] Available at: https://www.learn-php.org [Accessed 28 July 2018].
- [5.]*HTML CSS.* [online] Available at: https://www.w3schools.com/html/html_css.asp [Accessed 28 July 2018].
- [6.]*CSS Basics: Styling Links Like a Boss / CSS-Tricks.* [online] Available at: https://css-tricks.com/css-basics-styling-links-like-boss/ [Accessed 28 July 2018].
- [7.]*An Introduction to Queries in MySQL / DigitalOcean*. [online] Available at: https://www.digitalocean.com/community/tutorials/introduction-to-queries-mysql [Accessed 26 August 2018].
- [8.]*PHP* Select Data From MySQL. [online] Available at: https://www.w3schools.com/php/php_mysql_select.asp [Accessed 28 August 2018].
- [9.]*How to use css style in php.* [online] Stack Overflow. Available at: https://stackoverflow.com/questions/13201451/how-to-use-css-style-in-php [Accessed 10 September 2018].
- [10.] *CSS Variables with PHP / CSS-Tricks*. [online] Available at: https://css-tricks.com/css-variables-with-php/ [Accessed 28 September 2018].
- [11.] *How to Use AJAX in PHP and jQuery*. [online] Code Envato Tuts+. Available at: https://code.tutsplus.com/tutorials/how-to-use-ajax-in-php-and-jquery--cms-32494 [Accessed 28 September 2018].
- [12.] *jQuery PHP library*. [online] Available at: http://jquery.hohli.com/ [Accessed 20 September 2018].
- [13.] Web Hosting Services, VPS Servers and Domain Names by NTC Hosting. [online] Available at: https://www.ntchosting.com/encyclopedia/scripting-andprogramming/php/php-in/ [Accessed 21 September 2018].
- [14.] *Testing PHP projects* / *GitLab*. [online] Available at: https://docs.gitlab.com/ee/ci/examples/php.html [Accessed 13 August 2018].
- [15.] Requirement Gathering Techniques that every BA must know. [online] Available at: https://business-analysis-excellence.com/requirement-gathering-techniques/ [Accessed 16 July 2019].
- [16.] 10 Steps To Successful Requirements Gathering. [online] Phase2. Available at: https://www.phase2technology.com/blog/successful-requirements-gathering [Accessed 28 May 2018].
- [17.] Writing Tips « Writers Workshop: Writer Resources « The Center for Writing Studies, Illinois. [online] Available at: http://www.cws.illinois.edu/workshop/writers/tips/thesis/ [Accessed 20 May 2019].

- [18.] *AJAX PHP*. [online] Available at: https://www.w3schools.com/js/js_ajax_php.asp [Accessed 26 January 2019].
- [19.] *Passing PHP Variables to JavaScript*. [online] Available at: https://www.dyn-web.com/tutorials/php-js/scalar.php [Accessed 21 December 2018].
- [20.] *JavaScript and PHP Tutorials*. [online] Available at: https://www.dyn-web.com/tutorials/ [Accessed 15 December 2018].
- [21.] *PHP Connect to MySQL*. [online] Available at: https://www.w3schools.com/php/php_mysql_connect.asp [Accessed 8 September 2018].
- [22.] *How to Connect MySQL Database with PHP Websites*. [online] Available at: https://www.cloudways.com/blog/connect-mysql-with-php/ [Accessed 8 August 2018].
- [23.] *XAMPP Installers and Downloads for Apache Friends*. [online] Available at: https://www.apachefriends.org/index.html [Accessed 16 August 2018].
- [24.] *How to Create a MySQL Database with phpMyAdmin Webvault Help Centre*. [online] Available at: http://webvaultwiki.com.au/Default.aspx?Page=Create-Mysql-Database-User-Phpmyadmin&NS=&AspxAutoDetectCook [Accessed 18 August 2018].
- [25.] Configuring: Creating MySQL tables in phpMyAdmin : iPage Knowledgebase. [online] Available at: http://members.ipage.com/knowledgebase/read_article.bml?kbid=2584 [Accessed 2 October 2018].
- [26.] How to Use PHP, JavaScript (or jQuery), and HTML Together Cullen Web Services. [online] Cullen Web Services. Available at: https://cullenwebservices.com/how-to-usephp-javascript-or-jquery-and-html-together/ [Accessed 6 October 2018].
- [27.] *How to call a php function from ajax*?. [online] Stack Overflow. Available at: https://stackoverflow.com/questions/39341901/how-to-call-a-php-function-from-ajax [Accessed 7 June 2018].
- [28.] How to call php function from ajax CodeProject. [online] Codeproject.com. Available at: https://www.codeproject.com/Questions/1084176/How-to-call-php-function-from-ajax [Accessed 7 June 2018].
- [29.] Mockflow.com. (2019). MockFlow Wireframe Tools, Prototyping Tools, UI Mockups, UX Suite. [online] Available at: https://www.mockflow.com/ [Accessed 19 Sep. 2019].

Appendix A – Design Documentation

User Management – Use Case

ruere rue min ues	erroe the ober management of the system	
User Case ID	001	
Use Case	User Management	
Actor(s)	Administrator, Student, Visitor	
Description		
Administrator car	n create users, update user details, active/inactive users	
Students can regi	ster and view details where visitors only can view	
Pre-conditions		
1.User credentials	s should be valid	
2.User should have	ve connected to the internet	
Normal Cause		
1. Enter valid rele	evant data	
2. Click on Save	button	
3. User data will be added to the database and user will be created		
Alternative Caus	ses	
1. Error validation	ns when mandatory fields are not filled	
2. Validations will be displayed if data types will not match the value field types		
Post-conditions		
1.User creation w	vill be successful	
2. Student users can register by entering other data		
ATT 111 11		

Table A.1 will describe the User Management of the system

3. User will be able to access the system under user role assigned where functionalities will be limited as per the user role

Table A.1 User Management – Use Case

Login – Use Case

Table A.2 will describe the Login to the system

User Case ID	002		
Use Case	Login		
Actor(s)	Administrator, Student, Visitor		
Description			
All Validated and	d authorized users will be able to log into the system successfully and		
perform allowed	functionalities		
Pre-conditions			
1.User credentials	1.User credentials should be valid		
2.User should have connected to the internet			
Normal Cause			
1. Enter username	e and password		
2. Click on Login button			
3. User will be landed in the dashboard page			
Alternative Caus	ses		

1. Error validation for invalid user credentials

Post-conditions

- 1.User creation will be successful
- 2. Student users can register by entering other data
- 3. User will be able to access the system under user role assigned where functionalities will
- be limited as per the user role

Table A.3 Use Case Description – Login

Student Registration – Use Case

Table A.3 will describe the Student Registration to the system

User Case ID	003	
Use Case	Student Registration	
Actor(s)	Student	
Description		
Administrator add	led students can register to the system	
Pre-conditions		
1.Administrator s	hould have entered preliminary data of the student	
2.User should have	ve connected to the internet	
Normal Cause		
1. Navigate to Re	gister	
2. Select the student number and enter valid data and click on Register		
3. Student record will be successfully updated		
Alternative Caus	ses	
1. Error validation	ns when mandatory fields are not filled	
2. Validations will be displayed if data types will not match the value field types		
Post-conditions		
1.Student data wi	ll be updated successfully	
2. Administrator can allow user to login to the system		
2 Student and log into the system successfully under the restrictions granted		

3. Student can log into the system successfully under the restrictions granted

Table A.3 Student Registration – Registration

Dashboard – Use Case

Table A.4 will describe the	Dashboard of the system
-----------------------------	-------------------------

Ligon Cogo ID	004
User Case ID	004
Use Case	Dashboard
Actor(s)	All Users
Description	
All the users can navigate to view Instructors, Events, Practice Sessions via dashboard	
Pre-conditions	

1.User credentials should be valid

2.User should have connected to the internet

Normal Cause

1. Click on any dashboard component

2. User should be navigated to the relevant page

Alternative Causes

N/A

Post-conditions

1.Depends on user role, user can view, update or delete records in the navigated page

Table A.4 Dashboard – Use Case

Add Student/Instructor/Event/Sport/Practice Session /Achievement – Use Case

User Case ID	005
Use Case	Adding a Record to the System
Actor(s)	Administrator
Description	
Administrator car	n add record in any module of the system
Pre-conditions	
1.Admin user cre	dentials should be valid
2.User should have	ve connected to the internet
Normal Cause	
1. Select a modul	e, Instructor/Event/Student/Practice/Sport
2. Click on Add <	<component></component>
3. Enter all mandatory fields and click on Add button	
4. User will be navigated to component main page and record will be added	
5. Emails will be	sent to participants of sports for practice adding
Alternative Cau	ses
1. Error validation	ns when mandatory fields are not filled
2. Validations will be displayed if data types will not match the value field types	
Post-conditions	
1.User can update	e data entered

Table A.5 Add New Record – Use Case

Adding a Practice Session for the Instructor – Use Case

14010 11.0 1111 405	eribe ridding a rideliee bession to the system
User Case ID	006
Use Case	Adding a Practice Schedule via Instructor
Actor(s)	Administrator
Description	
Administrator car	add a practice session for an Instructor
Pre-conditions	
1. Admin user cre	edentials should be valid
2.User should have	ve connected to the internet
3. Instructor shou	ld have been added to the system
Normal Cause	
1. Click on Viev	v of the added Instructor
2. Click on Add	Practice Session
3. User should b	e navigated to the Add Practice Session page
4. Enter all value	es and click on Add
Alternative Caus	ses
N/A	
Post-conditions	
1. Once Practice S	Session is added user will be displayed with Practice Session page

Table A.6 will describe Adding a Practice Session to the system

 Table A.6 Adding Practice Session – Use Case

Register to Event – Use Case

 Table A.7 will describe the Student Registration to an Event

User Case ID	007			
Use Case	Student Event Registration			
Actor(s)	Student			
Description				
Student can reque	est and register to an event			
Pre-conditions				
1.Student should have valid credentials				
2.User should have	2.User should have connected to the internet			
3. Events should have been posted				
Normal Cause				
1.Navigate to Eve	1.Navigate to Events module and view an event			
2.Click on Register to the event				
Alternative Causes				
N/A				
Post-conditions				

1. Students request will be able to view by the Administrator

2. Administrator will be able to view join requests in dashboard

3. Administrator be able to accept the join request and add student to the event and email will be sent to the participant

Table A.7 Register to Event – Use Case

Update Student/Instructor/Event/Sport/Practice Session /Achievement – Use Case

Table A.8 will describe Updating a Record to the system

User Case ID	008			
Use Case	Updating a Record to the System			
Actor(s)	Administrator			
Description				
Administrator car	n update record in any module of the system			
Pre-conditions				
1.Admin user credentials should be valid				
2.User should have connected to the internet				
Normal Cause				
1. Select a module, Instructor/Event/Student/Practice/Sport				
2. Click on Edit <component></component>				
3. Enter relevant values to update				
4. User will be navigated to component main page and record will be added				
5. Email will be sent to participants of sports and events on update				
Alternative Causes				
1. Error validation	ns when mandatory fields are not filled			
2. Validations will be displayed if data types will not match the value field types				
Post-conditions				
1. Updates will be	e reflected in the module data			

 Table A.8 Update Record – Use Case

Delete Student/Instructor/Event/Sport/Practice Session /Achievement – Use Case

Table A.9 will describe Deleting a Record of the system

User Case ID	009			
Use Case	Deleting a Record			
Actor(s)	Administrator			
Description				
Administrator can delete a record in any module of the system				
Pre-conditions				
1.Admin user credentials should be valid				
2.User should have connected to the internet				
Normal Cause				

1. Select a module, Instructor/Event/Student/Practice/Sport
2. Select a record
3. Click on Delete
4. Confirm the action
5. User will be navigated to component main page and record will be deleted
6. Emails will be sent to participants of the events and sports
Alternative Causes
N/A
Post-conditions
1. Updates will be reflected in the module data

 Table A.9 Delete Record – Use Case

Search Page Student/Instructor/Event/Sport/Practice Session /Achievement – Use Case

Table A.10 will describe the search componer	nt of module in the system
--	----------------------------

User Case ID	010		
Use Case	Search		
Actor(s)	Administrator, Student, Visitor		
Description			
Any system user	can search using given values		
Pre-conditions			
1. User credentials should be valid			
2. User should ha	ve connected to the internet		
3. Records should	l be added in the system		
Normal Cause			
1. Click on any m	odule		
2. Enter search va	llue		
3. Search result will be displayed			
Alternative Caus	ses		
1. If there are no search values no data will be displayed			
Post-conditions			
1. Search results	will be displayed		

Table A.10 Search – Use Case

Adding/Removing Student for a Practice Session– Use Case

Table A.11 will describe on Adding/Removing a Student for a Practice Session via the system

User Case ID	011		
Use Case	Adding/Removing Student for a Practice Session via Sports		
Actor(s)	Administrator		
Description			
Administrator car	n add registered students for practice sessions of sports		
Pre-conditions			
1. User credential	s should be valid		
2. User should ha	ve connected to the internet		
3. Sports and stuc	lents should have been added in the system		
Normal Cause			
1. Click a Sport in Sport module			
2. Click on Allocate Students			
3. Click on Add Students			
4. Add/remove student via the list of registered students			
5. User will be landed in allocation page			
6. Student will re-	6. Student will receive an e-mail		
Alternative Causes			
N/A			
Post-conditions			
1. Changes will b	e reflected in the page		

Table A.11 Adding/Removing Practice Session – Use Case

Compare Students- Use Case

Table A.12 will describe on Comparing Students

User Case ID	012			
Use Case	Comparing Two Students			
Actor(s)	Administrator			
Description				
Administrator car	n add registered students for practice sessions of sports			
Pre-conditions				
1. User credential	ls should be valid			
2. User should have connected to the internet				
3. Sports, Achievements, Practices and students should have been added in the system				
4. Students should have enrolled in sports/events				
Normal Cause				
1. Click a Compa	re Report			
2. Select two stud	lents			
3. Click on Comp	3. Click on Compare			
4. Both student de	etails will be displayed			

Alternative Causes

1. If user select the same student, error message will be displayed

Post-conditions

Table A.12 Compare Students – Use Case

Reports–Use Case

Table A.13 will describe on Report Display of the system

User Case ID	013		
Use Case	Report View		
Actor(s)	Administrator		
Description			
Administrator car	n view reports		
Pre-conditions			
1. User credential	s should be valid		
2. User should ha	ve connected to the internet		
3. Sports, Achiev	ements, Practices and students should have been added in the system		
4. Students should	d have enrolled in sports/events		
Normal Cause			
1. Click a Report			
2. Select search v	alue for the report		
3. Report data will be displayed			
Alternative Caus	Ses		
1. If no data is available, will display blank report			
Post-conditions			
N/A			

Table A.13 Reports Display – Use Case

Sequence Diagrams

Figure 4.2 displays the sequence diagram for student registration to the proposed system.



Figure A.1 Student Registration – Sequence Diagram

Figure 4.3 displays the sequence diagram for user access for data insertion and updating process to the proposed system.



Figure A.2 Record Insertion/Updating – Sequence Diagram

Figure 4.4 displays the sequence diagram for student registration for an event (tournament) in the system.



Figure A.3 Event Registration– Sequence Diagram

Figure 4.5 displays the sequence diagram for updating practice session process via the system.



Figure A.4 Practice Session Update– Sequence Diagram

Appendix B – User Documentation

KDMV Sports desk is a web base sports and athletic management system which was developed for Kottawa Dharmapala Maha Vidyalaya and is designed to cater main three users, Teachers (administrators), Students and Visitors (parents or guardians of the students). This appendix is for the users on how to navigate and perform functionalities provided.

System contains six main components such as,

- 1. Student
- 2. Instructors
- 3. Sports
- 4. Events
- 5. Practices
- 6. Reports

For the three type of system user's module access will be as below,

- 1. Administrators : All modules and all functionalities
- 2. Students : Student, Instructors, Sports, Practices modules View access only
- 3. Visitors : Sports, Events, Practices modules View access only

To perform all the functionalities users should have an active internet connection during the use of the system.

Dashboard

Dashboard of the system will be the landing page of any authorized user once they login to the system. This dashboard will have quick access links to all the modules of the system. For three different users, dashboard will be displayed in three different views. Additional component is added to the Admin users in the dashboard where they can view any pending event join requests from students. Below figures B.1, B.2 and B.3 shows the dashboards for each user.



Figure B.1 Dashboard – Administrator



Figure B.2 Dashboard – Student

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M Gmail 🔞 Stg - Pearson Colle 🔞	Admin Tool New App P Staging - Admin	QA - Pearson Collec QA-Admin Pearson	Pearson - PRODUC Log in - Pearson A	Ag » Other bookmarks
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2 Dashboard				
没 Sports	17 Students	8 Instructors	6 Sports	2 Events
Events				
* Practices			View Details	View Details
ESPORTS DESK 10.0v Dharmapala College Kottawa	Upcoming Practic No upcoming practice sessions available Session Title Sport	Date Time	Place Instructor	Actions
	Upcoming Sports No upcoming events Event Title Sports Related	Events	Location	Actions

Figure B.3 Dashboard – Visitor

Add Student

Figure B.23 shows adding a Student Details to the system. This will only be visible and accessible for admin users of the system. These will be preliminary data of the student where student will be adding their data during the registration to the system. It is shown in the figure B.24.

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🖗 Sports			Address	Actions
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* Practices			ground road, Wattala	• 🗹 📋
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		Parent/ Guardian Email	Good address, address	• 🗹 📋
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		Cancel Add	25, rue Lauriston, Paris, France	• •

Figure B.4 Add Student

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N N N	lame	Your full name					
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Р		Your password					
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	•	tegister					

Figure B.5 Student Registration

Login

Figure B.25 and B.26 shows the initial page and the login page of the system. This will be common for all three type of users. Where user can enter valid credentials and login to the system.



Figure B.6 Main Page



Figure B.7 Login Page

Manage Students

Figure B.4 and B.5 show the Student List page of the system. This will have two separate views for Administrator and Student, where Visitor will not have access. Student will only have View right of the records in the system.

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Students "	Mana	ge Stud	ents	Search by num	ber or name		Delete	+ Add New Student
								Compare
😂 Sports		Avatar	Number	Name	Email	Grade	Address	Actions
 Events Practices 			B2017- 22112	Albert Einstine	albert@kdmv.com	6 - B	London Junction, London	• 🗹 📋
C Reports			B2017- 22113	Grahm Smith	std1@kdmv.com	8 -C	21,B , Play ground road, Wattala	• 🗹
			B2017- 22116	Nathan Paul	std2@kdmv.com	8 -A	Somewhere on the ground, Earth	• 🗹
1.0.0v Dharmapala College Kottawa			B2017- 22192	Alicia Vikandar	std3@kdmv.com	6 - B	Good address, address	• 🗹 📋
Kondund			B2017- 22178	Alex Morgan	std5@kdmv.com	7 -A	8B, Morris road, Italy	o 🗹 🍵

Figure B.8 Manage Students – Administrator

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🏩 Student List												11
Q Student Achievements		Avatar	Number	Name	Email	Grade	Address	/	Action	S		
Instructors			B2017- 22112	Albert Einstine	albert@kdmv.com	6 - B	London Junction, London		0			t,
₩ Sports			B2017- 22113	Grahm Smith	std1@kdmv.com	8 -C	21,B , Play ground road, Wattala		0			
* Practices		~										
			B2017- 22116	Nathan Paul	std2@kdmv.com	8 -A	Somewhere on the ground, Earth		0			
			B2017- 22192	Alicia Vikandar	std3@kdmv.com	6 - B	Good address, addre	ess	0			
1.0.0v Dharmapala College Kottawa			B2017- 22178	Alex Morgan	std5@kdmv.com	7 -A	8B, Morris road, Italy	1	0			
			B2017- 22524	Maria Sharapova	std6@kdmv.com	7 -D	25, rue Lauriston, Paris, France		0			Ŧ

Figure B.9 Manage Students – Student

Edit or Delete Student

Figure B.9 and B.10 show how administrator user can update or delete student data. Only administrator will have rights to perform these functionalities. These functionalities are available in Manage Students page relevant for each record.

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Events	_				
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Reports	_	B2017-22113	std1@kdmv.com	- Factoria	
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\sim		8 -C	445865254	Good address.	0.51.5
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			Cancel Save	25, rue Lauriston, Paris, France	• 🗹 🦷

Figure B.10 Manage Students – Edit Student

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A Instructors							
🚷 Sports				Cancel	Delete	Address	Actions
🛱 Events							
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Reports		B2017- 22116	Nathan Paul	std2@kdmv.con	n 8-A	Somewhere on the ground, Earth	• 🗹 📋
		B2017- 22192	Alicia Vikandar	std3@kdmv.con	n 6-B	Good address, address	• 🗹 👕
1.0.0v Dharmapala College Kottawa		B2017- 22178	Alex Morgan	std5@kdmv.con	n 7-A	8B, Morris road, Italy	• 🗹
		B2017- 22524	Maria Sharapova	std6@kdmv.con	n 7-D	25, rue Lauriston, Paris, France	• 🗹 📋

Figure B.11 Manage Students – Delete Student

Compare Students

Figure B.11 will display on how administrator user can view and compare two students in the system. Only administrator will have rights to perform these functionalities. These functionalities are available in Manage Students and once user select two users and click on Compare, both students' data will be displayed alongside.



Figure B.12 Manage Students – Compare Students

Manage Instructors

Figure B.12 and B.13 show the Instructor List page of the system. This will have two separate views for Administrator and Student, where Visitor will not have access. Student will only have View right of the records in the system. Once user clicks on Views he can view selected instructor details. And click on edit will enable user to edit entered value and update. Deletion icon will allow user to delete the selected record from the system.

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Figure B.13 Manage Instructors – Administrator

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		*	Marion Jones	30	instrctor8@kdmv.com	+9465488548	Track and Field	0
1.0.0v Dharmapala College		3	Sumith Jayalal	38	instrctor6@kdmv.com	+9865421789	Volleyball	0
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		Α	test	test	et		test	0

Figure B.14 Manage Instructors – Student
Manage Sports

Figure B.14 and B.15 show the Sports List page of the system. This will have two separate views for Administrator and Student/Visitor. Student and visitor will only have View right of the records in the system.



Figure B.15 Manage Sports – Administrator

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Practices			Tilaka Jinadasa	42	tilaka@kdmv.com	+9458621325	Netball	0
			Marion Jones	30	instrctor8@kdmv.com	+9465488548	Track and Field	0
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		θ	Susila Dias	23	susila@mailinator.com	1234567912	Netball	0
		Α	test	test	et		test	0

Figure B.16 Manage Sports – Student and Visitor

Add, Edit or View Sport

Figure B.16, B.17 and B.18 show the Add, Edit or View of sport in the system. Admin user only will have the rights to add, edit or delete where visitor and sport only will have access to view records. User can navigate to these forms using Manage Sports page.



Figure B.17 Manage Sports – Add Sports



Figure B.18 Manage Sports – Edit Sports



Figure B.19 Manage Sports – View Sports

Allocate Students

Figure B.19, B.20 and B21 will feature the page where user can allocate or remove students for a sport. Admin user only will have the rights to add or remove students for a sport.

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Students ⁰										
♣ Instructors		0		Category: Cricket		Year: 2014				
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Events	-									
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		Picture	Number	Name	Grade	Address	Acti	ons		
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			B2017- 22178	Alex Morgan	7 -A	8B, Morris road, Italy	0	2 -		
			B2017- 22524	Maria Sharapova	7 -D	25, rue Lauriston, Paris, France	0	_ -		-

Figure B.20 Allocate Students

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		B2017- 22192	Alicia Vikandar	6 - B Good addr	ress, address	• * -
		B2017- 22178	Alex Morgan	7 -A 8B, Morris	a road, Italy	④ [▲] -
		B2017- 22524	Maria Sharapova	7 -D 25, rue La	uriston, Paris, France	⊚ ≛-

Figure B.21 Allocate New Student

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		B2017- 22192	Alicia Vikandar	6 - B	Good address, address	0	_
		B2017- 22178	Alex Morgan	7 -A	8B, Morris road, Italy	0	_ -
		B2017- 22524	Maria Sharapova	7 -D	25, rue Lauriston, Paris, France	0	_

Figure B.22 Remove Student

Manage Events

Figure B.22 and B.23 show the Events List page of the system. This will have two separate views for Administrator and Student/Visitor. Student and visitor will only have View right of the records in the system.



Figure B.23 Manage Events – Administrator

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Dashboard						
Students	Mana	ge Sports Events	Search by	title, sports, date or location		
A Instructors						_
😂 Sports		Event Title	Sports Related	Duration	Location	Actions
 Events Practices 			Badminton U13 Girls, Carrom, Cricket U17 Team A, Sprint 100m, 200m, 400m.			
SPORTS DESK		Inter Provincial School Sportsmeet 2019	Under 19 Cricket, Under 19 Netball Girls, Under 19 Volleyball, Volleyball Under 15 Boys	01-Apr-19 8:00 AM To 12-Dec-19 6:00 PM	Sugathadasa Stadium, Colombo 02	•
Dharmapala College Kottawa		Inter House Sports Meet 2019		01-Feb-19 9:00 AM To 15-Feb-19 5:00 PM	School Ground	•

Figure B.24 Manage Events – Student and Visitor

View Event

Figure B.24, B.25, B.26 shows the View Events page of the system. This will have three separate views for Administrator, Student and Visitor. Visitor users will only obtain view access where student users will have Join Event functionality as well. Student will be able to join to the particular event by that functionality.

Administrators will have another view where they can accept join requests made by the students, include instructors for the event and add achievement for the event.



Figure B.25 View Event – Administrator



Figure B.26 View Event – Student

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			Anual	nter Provincial Spo	ortmeet. W	e represent Wester	n Province.						
	Alloca	ted				Instructo	rs						
Dharmapala College	Stude	nts					Name		F	ield			
Kottawa		Number	Name	Grade			Garry Pitchell		C	ycling, ong Ju	Basebal mp	I,	
		B2017- 22178	Alex Morgan	7 -A			Marion Jones		т	rack ar	nd Field		
		B2017- 22502	Dharshika Abeywickrama	11 - A		0	Keira Knightley		S	word			
		D2047	Covonialai				Dav Whatmore		C	cricket			Ţ

Figure B.27 View Event – Visitor

Manage Allocated Students, Instructors, Sports and Achievements for an Event

Figure B.27, B.28, B.29 and B.30 show the pages where admin user can accept event join requests by students and allocate instructors, sports and achievements to the created event. These functionalities will only be available for admin users. If any changes are done email notifications will be sent to students who are associated with the system.

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Dharmapala College Kottawa			B2017- 22145	David Beckham	10 - A	Removed from the event	4 *		Sword
		٩	B2017- 22113	Grahm Smith	8 -C	Removed from the event	4 *		Cricket
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Figure B.28 Manage Event – Add or Remove Students

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Dharmapala College Kottawa				-		🖉 Ma	nage Related Sports
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Figure B.29 Manage Event – Add or Remove Instructors

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Figure B.30 Manage Event – Add or Remove Sport

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Figure B.31 Manage Event – Add or Remove Achievements

Manage Practices

Figure B.31 and B.32 show the Practice List page of the system. This will have two separate views for Administrator and Student/Visitor. Student and visitor will only have View right of the records in the system.

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Dashboard								
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Practices		Session 1	Under 19 Netball Gins	30	AM	ground	Whatmore	
Reports ^D		John Tarbet athletic meet	Under 19 Volleyball	2019-04- 25	12:00 AM - 12:00 AM	School Play Ground	Marion Jones	o 🗹
		Carrom	Sprint 100m, 200m, 400m	2019-04- 18	9:00 AM - 12:00 PM	Main Hall	Tilaka Jinadasa	0 🗹 盲
		Cricket	Sprint 100m, 200m, 400m	2019-04- 09	2:00 PM - 5:00 PM	Playground	Dav Whatmore	• 🗹 📋
Kottawa		Inter House Practices	Badminton U13 Girls	2019-03- 14	12:00 AM - 12:00 AM	Court 01	Thomas Edison	• 🗹 📋
		Sport meet Practices	Under 19 Netball Girls	2019-02- 01	9:00 AM - 5:00 PM	Court 2	Tilaka Jinadasa	• 🗹

Figure B.32 Manage Practice Sessions – Administrator

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Events		Big Match practice Session 1	Under 19 Netball Girls	2019-04- 30	12:00 AM - 2:00 AM	School Play ground	Dav Whatmore	0
Practices		John Tarbet athletic meet	Under 19 Volleyball	2019-04- 25	12:00 AM - 12:00 AM	School Play Ground	Marion Jones	0
		Carrom	Sprint 100m, 200m, 400m	2019-04- 18	9:00 AM - 12:00 PM	Main Hall	Tilaka Jinadasa	0
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Kottawa		Inter House Practices	Badminton U13 Girls	2019-03- 14	12:00 AM - 12:00 AM	Court 01	Thomas Edison	0
		Sport meet Practices	Under 19 Netball Girls	2019-02- 01	9:00 AM - 5:00 PM	Court 2	Tilaka Jinadasa	0

Figure B.33 Manage Practice Sessions – Student and Visitor

View, Update or Delete Practice Sessions

Figure B.33 to B.36 will figure the pages where user can view added practice session, edit data of a practice session or delete a session. Student and visitor will only have View right of the records in the system. Once user clicks on Views he can view selected practice session. And click on edit will enable user to edit entered value and update. Deletion icon will allow user to delete the selected record from the system. Admin user will have all the access rights for all the functionalities.

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Figure B.34 Add Practice Session

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Figure B.35 Update Practice Session

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* Practices		Big Match practice Session 1	Under 19 Netball Girls	2019-04- 30	12:00 AM - 2:00 AM	School Play ground	Dav Whatmore	• 🗹 👕
Reports		John Tarbet athletic meet	Under 19 Volleyball	2019-04- 25	12:00 AM - 12:00 AM	School Play Ground	Marion Jones	• 🗹 📋
		Carrom	Sprint 100m, 200m, 400m	2019-04- 18	9:00 AM - 12:00 PM	Main Hall	Tilaka Jinadasa	• 🗹
		Cricket	Sprint 100m, 200m, 400m	2019-04- 09	2:00 PM - 5:00 PM	Playground	Dav Whatmore	• 🗹 👕
Kottawa		Inter House Practices	Badminton U13 Girls	2019-03- 14	12:00 AM - 12:00 AM	Court 01	Thomas Edison	• 🗹 📋
		Sport meet Practices	Under 19 Netball Girls	2019-02- 01	9:00 AM - 5:00 PM	Court 2	Tilaka Jinadasa	• 🗹 👕

Figure B.36 Delete Practice Session



Figure B.37 View Practice Session

Manage Achievements

Figure B.36 and B.37 show the Achievement List page of the system. This will have two separate views for Administrator and Student, where Visitor will not have access. Student will only have View right of the records in the system.

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A Instructors							Delete
Ø Sports		Avatar	Number	Name	Achievement	Description	Actions
Events			B2017- 22144	Michael Phelps	Something Award	He has won this for the third time	o 🗹
Reports ^D			B2017- 22113	Grahm Smith	Best bowler u 13	The best bowler of under 13 year group for the 2018	o 🗹 🍵
			B2017- 22501	Gayanjalai amarawansa	Highest scorer 2018	2018 highest score gainer from the inter-school Netball matches	o 🗹
1.0.0v Dharmapala College		۲.	B2017- 22178	Alex Morgan	Badminton Star of 2018	Highest badminton scorer of the year within inter- school games	0 🗹 📋

Figure B.38 Students' Achievements – Administrator

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Students ⁰	Stude	nts' Achie	vements	Search by student nu	umber, student name or achieven	
A Instructors						_
Sports		Avatar Num	ber Name	Achievement	Description	Actions
Events		B201 2214	7- 4 Michael Phelps	Something Award	He has won this for the third time	0
♠ Practices		B201 2211	7- Grahm Smith	Best bowler u 13	The best bowler of under 13 year group for the 2018	0
		B201 2250	7- Gayanjalai 1 amarawansa	Highest scorer 2018	2018 highest score gainer from the inter-school Netba matches	∥ ⊘
1.0.0v Dharmapala College Kottawa		B201 2217	7- Alex Morgan 8	Badminton Star of 2018	Highest badminton scorer of the year within inter- school games	0

Figure B.39 Students' Achievements – Student

View, Update or Delete Achievement

Figure B.38 to B.41 will figure the pages where user can view added achievement, edit data of an achievement or delete an achievement. Student will only have View right of the records in the system, where visitor users will not be permitted. Once user clicks on View he can view selected achievement. And click on edit will enable user to edit entered value and update. Deletion icon will allow user to delete the selected record from the system. Admin user will have all the access rights for all the functionalities.

🍌 localhost / 127.0.0.1 phpMyAdm 🗙 🧔 S	Sports Desk - KDMV	Students' A 🗙 🕂				- 0 ×
\leftrightarrow \rightarrow C \triangle (i) localhost/sports%	20desk/student_ac	hievments.php			\$	🛛 🥺 🛄 🛞 🔤
🎇 Gmail 🔞 Stg - Pearson Colle 🔞 Adm	nin Tool New App	Staging - Admin	QA - Pearson Collec	P QA-Admin Pearson	👂 Pearson - PRODUC 🏾 🙀 Log in - Pearson Ag	» Cther bookmarks
SPORTS DESK	t Toggle Sid	Delete St	udent		×	Ge Log Out Ce Back
🔹 Dashboard		Are you sure ye	ou want to delete thes			
😰 Students 🔍	Student				achieven	Add Achievement
▲ Instructors						Delete
😍 Sports						Actions
🖆 Events				Cancer	Delete	
★ Practices		B2017- 22144	Michael Phelps	Something Award	He has won this for the third time	• 🗹
🚯 Reports 🛛		B2017- 22113	Grahm Smith	Best bowler u 13	The best bowler of under 13 year group for the 2018	• 🗹 📋
		B2017- 22501	Gayanjalai amarawansa	Highest scorer 2018	2018 highest score gainer from the inter-school Netball matches	• 🗹 📋
1.0.0v Dharmapala College Kattawa		B2017- 22178	Alex Morgan	Badminton Star of 2018	Highest badminton scorer of the year within inter- school games	• 🗹

Figure B.40 Students' Achievements – Delete Student

🙏 localhost / 127.0.0.1 phpMyAdm 🗙 🌾	Sports Desk - KDM	/ Students' A × +				- 0 ×
← → C ☆ ③ localhost/sports	s%20desk/student_	achievments.php			\$	🔀 🥺 🛄 🛞 月
🎇 Gmail 👔 Stg - Pearson Colle 👔 A	Admin Tool New App	P Staging - Admin 🔞 QA - Pearson Collec	P QA-Admin Pearson	Pearson - PRODUC	🙀 Log in - Pearson Ag	» Other bookmarks
SPORTS DESK	tt Toggle Si	Add New Achievement		×		← Log Out
		Achievement Type				
Dashboard		Award		•		_
😰 Students 😐	Studen	Award			achieven	Add Achievement
La Instructors		Select an award		~		Delete
👺 Sports	4	Student				Actions
🗯 Events	_	Select a Student		~		
★ Practices		Achievement Title			third time	• 🗹
Reports					er 13 year group for the 2018	0 🗹 📋
	_	Achievement Description				
					er from the inter-school Netball	• 🗹 📋
SPORTS DESK		Ashiausment Data		li	er of the year within inter-	0 📝 📋
1.0.0v Dharmapala College		Achievement Date				
Kottawa		mm/dd/yyyy				
			Cancel	Add		

Figure B.41 Add Achievement

🙀 localhost / 127.0.0.1 phpMyAdm 🗙 🥥 S	Sports Desk - KDMV	Students' / × +		- 0 ×
← → C ☆ ③ localhost/sports%	20desk/student_a	chievments.php	\$	🛛 🖉 🛄 🛞 🦛 🔒
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SPORTS DESK	‡ Toggle Si	Edit Achievement ×		C Log Out
		Achievement Type		
Dashboard		Award		
🙎 Students 🔍	Studen	Award	achieven	Add Achievement
♣ Instructors		Select a award		Delete
😂 Sports		Student		Actions
🗯 Events		B2017-22144 - Michael Phelps v		
* Practices		Achievement Title	third time	• 🗹 📋
Reports		Something Award	or 13 year group for the 2018	0 7 1
		Achievement Description	in to your group for the 2010	
		He has won this for the third time	er from the inter-school Netball	0 🗹 📋
		Achievement Date	er of the year within inter-	• 🗹 📋
Dharmapala College		06/01/2019		
Kottawa				
		Cancel Update		

Figure B.42 Edit Achievement

🙀 localhost / 127.0.0.1 phpMyAdn 🗙 🜔 S	ports Desk - KDMV	Students' / × +			- 0 ×
← → C △ ③ localhost/sports%2	20desk/student_ac	hievments.php		A	🛛 🍭 🔛 🛞 🗏 🥠
🕅 Gmail 🕜 Stg - Pearson Colle 🕜 Adm	in Tool New App	Staging - Admin 🔞 QA - Pearson Collec	P QA-Admin Pearson PRODUC	🛱 Log in - Pearson Ag	» Other bookmarks
SPORTS DESK	# Toggle Sid	Best bowler u 13	×		te Log Out ← Back
2 Dashboard			Student		
🕱 Students 🔍	Student		Grahm Smith	achieven	Add Achievement
La Instructors			Description		
Ø Sports	A		The best bowler of under 13		Actions
🛱 Events			year group for the 2018		
★ Practices		Award Related	Achievement date	urd time	• 🗹
Reports		Event Related	2018-12-28	13 year group for the 2018	• 🗹 👕
				r from the inter-school Netball	• 🗹 📋
1.0.0v Dharmapala College			Close	r of the year within inter-	0 🗹 🗑

Figure B.43 View Achievement

Reports

Figure B.42, B.43, B.44 and B.45 show the Reports generated via the system. This will be only visible for the admin users of the system. User can access reports menu via navigation panel.



Figure B.44 Compare Students

🙏 localhost / 127.0.0.1 phpMyAdm 🗙	Sports Desk - KDMV Report - St × M Sp	am (10) - thamaliyasoda@gma 🗙	+		- 0 ×
← → C △ ③ Not secure I	stms.com/report_events_per_month.php			☆ 🔀 🖉	8 🦃 🔒
🔀 Gmail 🔞 Stg - Pearson Colle 🔞	Admin Tool New App 🛛 P Staging - Admin 🔞	QA - Pearson Collec P QA-A	dmin Pearson 🔞 Pearson - PRODUC 🙀 Log	in - Pearson Ag »	Other bookmarks
SPORTS DESK	t Toggle Sidebar			🔂 Log Ou	← Back
Dashboard					
🗹 Students 🏻	Events Per Month				
A Instructors					
🚱 Sports		May 2019	Get Events For the mont	h	
Events					
* Practices					
Reports	Event Title	Sports Related	Duration	Location	Actions
Exports DESK 10.0v Dharmapala College Kottawa	Inter Provincial School Sportsmeet 2019	Badminton U13 Girls, Carrom, Cricket U17 Team A, Sprint 100m, 200m, 400m, Under 19 Cricket, Under 19 Netball Girls, Under 19 Volleyball, Volleyball Under 15 Boys	01-Apr-19 8:00 AM To 12-Dec-19 6:00 PM	Sugathadasa Stadium, Colombo 02	0

Figure B.45 Events per Month Report

🙀 localhost / 127.0.0.1 phpMyAdm 🗙 🌔	Sports Desk - KDMV R	eport - St 🗙 M Spam (10) - thamaliy	yasoda@gma × +			- 0 ×
← → C ① Not secure Ist	tms.com/report_sched	ule_for_time_period.php			* 🛛 🖉	🛄 🛞 🦃 🔒
M Gmail 🔞 Stg - Pearson Colle 🔞 A	dmin Tool New App	Staging - Admin 😰 QA - Pearson Co	ollec P QA-Admin Pearson 🕝	Pearson - PRODUC 🙀 Log in - Pearson	Ag »	Other bookmarks
SPORTS DESK	♣ Toggle Sideba	3			🕩 Log Ot	rt ← Back
 Dashboard Students 	Schedule	for the time period				
▲ Instructors						
🔮 Sports		Start Date	End Date	Get schedule for th	e period	
💼 Events		04/09/2019	05/16/2019			
* Practices						
Reports						
	Туре	Title	Sports Related	Duration	Location	Actions
	Practice Session	Big Match practice Session 1	Under 19 Netball Girls	2019-04-30 12:00 AM - 2:00 AM	School Play ground	Θ
10.0v	Practice Session	John Tarbet athletic meet	Under 19 Volleyball	2019-04-25 12:00 AM - 12:00 AM	School Play Ground	Θ
Kottawa	Practice Session	Carrom	Sprint 100m, 200m, 400m	2019-04-18 9:00 AM - 12:00 PM	Main Hall	Θ
	Practice Session	Cricket	Sprint 100m, 200m, 400m	2019-04-09 2:00 PM - 5:00 PM	Playground	0

Figure B.46 Schedule for Time Period Report

🚲 localhost / 127.0.0.1 phpMyAdm 🗙	Sports Desk - KE	MV Report - St 🗴	Spam (10) - thamaliyasod	la@gma × +					- 6	7	×
← → C ☆ ③ Not secure I	stms.com/report_	students_per_spo	ort.php				☆ 🔀	0	8	19	0
🏹 Gmail 🔞 Stg - Pearson Colle 🔞	Admin Tool New Ap	Staging - A	Admin 🔞 QA - Pearson Collec	QA-Admin Pearson	Pearson - PROD	UC 😧 Log in - Pearson Ag		»	, Other b	ookmar	rks
SPORTS DESK	t; Toggle S	idebar					🕪 Lo	og Out	← Back		
Dashboard											1
Students ⁰	Studer	nts Per Sp	orts								1
A Instructors	_										1
😍 Sports	Select a	sports				Get allocated stu	udents				1
💼 Events											a.
* Practices											
Reports	Avatar	Number	Name	Email	Grade	Address			Action	s	
		B2017- 22113	Grahm Smith	std1@kdmv.com	8 -C	21,B , Play ground road, V	Nattala		0		
	1	B2017- 22116	Nathan Paul	std2@kdmv.com	8 -A	Somewhere on the ground	d, Earth		0		
Dharmapala College Kottawa		B2017- 22192	Alicia Vikandar	std3@kdmv.com	6 - B	Good address, address			0		
		B2017- 22178	Alex Morgan	std5@kdmv.com	7 -A	8B, Morris road, Italy			0		-

Figure B.47 Students per Sport Report

Appendix C – System Documentation

System Documentation will give the guidelines to set up KDMV Sports Desk web services along with the database set up and frontend. This mainly focused on served set of the system to host the services to the user. Since the project is developed using php technology it holds a flat structure setup will be rather easy.

Component,

- XAMPP Control Panel
- phpMyAdmin DB[24],[25]

Since this system is a web-based system there is no specific user configurations required. Only necessity will be the availability of uninterrupted internet connectivity.

Here will be describe on how to get up the deployment environment to host the services.

Database Setup – Deployment Environment Setup

Step 01:

Navigate to https://www.apachefriends.org/download.html and download the XAMPP[23] for the appropriate version to support the version and the operating system used in the machine.



Figure C.1 Download XAMPP Control Center

Step 02:

Run the downloaded setup file and get the XAMPP control center installed as per following figures.

😫 Setup			_		×
	Setup - XAMPP Welcome to the X	AMPP Setup Wiz	zard.		
bitnami					
		< Back	Next >		Cancel
F	igure C.2 Insta	lling XAM	PP		
🖾 Setup			-	- C	x c
Select Components					ខេ
Colored the second second					tell clists
Select the components you want Next when you are ready to con Server Apache MySQL FileZilla FTP Server Mercury Mail Server Tomcat Program Languages PHP Program Languages PhopMyAdmin Webalizer Fake Sendmail	t to install; clear the itinue.	components y	ou do not wa	int to ins	

Figure C.3 Selecting Components

🖾 Setup		_		×
Installation folder				ខា
Please, choose a folder to install XAMPP				
Select a folder C:\Program Files\XAMPP	~			
XAMPP Installer				
	< Back	Next >	Ca	ancel

Figure C.4 Initializing File Location



Figure C.5 Successful Installation

Step 03:

To starting MySQL and Apache services using XAMPP, open the XAMPP Control Center and click on Start buttons in front of both services.

	Control Pane	ervs.2.3 [Con	npiled: War /th 20	nal			_		X
R	XAN	IPP Contr	ol Panel v3	.2.3				🥜 C	onfig
Modules Service	Module	PID(s)	Port(s)	Actions				🛛 🍥 Ne	etstat
	Apache			Start	Admin	Config	Logs	- 🗾 S	Shell
	MySQL			Start	Admin	Config	Logs	Ex Ex	plore
	FileZilla			Start	Admin	Config	Logs	🦻 Se	rvice
	Mercury			Start	Admin	Config	Logs	0 H	lelp
	Tomcat			Start	Admin	Config	Logs		Quit
):28:44 A):28:45 A):28:45 A]:40:08 P]:40:08 P]:40:09 P]:40:09 P]:40:09 P	M [mysql] M [mysql] M [mysql] M [Apache] M [Apache] M [Apache] M [mysql] M [mysql]	Attempting Attempting Status cha Attempting Attempting Status cha Attempting Status cha	to start MySQ to start MySQ inge detected: r to stop Apachunge detected: s to stop Apachunge detected: s to stop MySQ inge detected: s	L app L app e (PID: 1344 e (PID: 1236 stopped L app stopped	14) 88)				

3 XAMPI	P Control Pan	el v3.2.3 [Con	npiled: Mar 7th 20	019]			—		×
æ	XAN	/IPP Contr	ol Panel v3	.2.3				🅜 Co	onfig
Modules - Service	Module	PID(s)	Port(s)	Actions				🛛 🎯 Ne	tstat
	Apache	1140	80, 443	Stop	Admin	Config	Logs	🗾 S	hell
	MySQL	15188	3306	Stop	Admin	Config	Logs	📄 Exp	olorer
	FileZilla			Start	Admin	Config	Logs	🛛 🌄 Ser	vice
	Mercury			Start	Admin	Config	Logs	O H	elp
	Tomcat			Start	Admin	Config	Logs		λuit
1:40:08 PM [Apache] Attempting to stop Apache (PID: 12368) 1:40:09 PM [Apache] Status change detected: stopped 1:40:09 PM [mysql] Attempting to stop MySQL app 1:40:09 PM [mysql] Status change detected: stopped 1:40:09 PM [mysql] Status change detected: stopped 1:41:11 PM [Apache] Attempting to start Apache app 1:41:11 PM [Apache] Status change detected: running 1:41:15 PM [mysql] Attempting to start MySQL app 1:41:15 PM [mysql] Status change detected: running 1:41:15 PM [mysql] Status change detected: running									,

Figure C.6 XAMPP Control Panel

Figure C.7 XAMPP Control Panel – Starting Apache and MySQL Services

Step 04:

Verify that local server has been installed by typing "localhost" in the browser window and enter. Following page should be displayed once user had been installed server successfully.

Welcome to XAMPP	× +	- 0 ×
\leftrightarrow) C ()	localhost/dashboard/ 🖈 🕅 🤗	😐 🛞 🦃 🔒
M Gmail 🔞 Stg - Pearson	on Colle 🔞 Admin Tool New App 📔 Staging - Admin 🔞 QA - Pearson Collec 📔 QA-Admin Pearson 🔞 Pearson - PRODUC 🌹 Log in - Pearson Ag 👋	. Other bookmarks
	Apache Friends Applications FAQs HOW-TO Guides PHPInfo phpMyAdmin	
	🔀 XAMPP Apache + MariaDB + PHP + Perl	
	Welcome to XAMPP for Windows 7.1.28	
	You have successfully installed XAMPP on this system! Now you can start using Apache, MariaDB, PHP and other components. You can find more info in the FAQs section or check the HOW-TO Guides for getting started with PHP applications.	
	XAMPP is meant only for development purposes. It has certain configuration settings that make it easy to develop locally but that are insecure if you want to have your installation accessible to others. If you want have your XAMPP accessible from the internet, make sure you understand the implications and you checked the FAQs to learn how to protect your site. Alternatively you can use WAMP, MAMP or LAMP which are similar packages which are more suitable for production.	
	Start the XAMPP Control Panel to check the server status.	
	Community	

Figure C.8 Localhost Page

Step 05:

Type the "localhost/phpmysdmin" to view the database created via phpMyAdmin. Successful access to the database will display the database with the tables as figured in figure C.9.



Figure C.9 phpMyAdmin Database

Step 06:

If the user importing the database in a new machine then he should create a database in the phpMyAdmin as "sports_desk" and navigate to Import tab and import the file.



Figure C.10 Import Database

Backend – Deployment Environment Setup

Step 01:

Get the project files and locate them under the XAMPP folder on C: drive. File location will be "C:\xampp\htdocs".

📙 🛃 📕 🖛 spo	rts desk			– 🗆 ×
File Home	Share View			~ 🕐
Pin to Quick Copy P access	↓ Cut ↓ Move to ~ ★ Delete ~ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	New folder	Edit ↓ Copen → ↓ Edit ↓ History	Select all Select none
Clipt	ooard Organize	New	Open	Select
$\leftarrow \rightarrow \checkmark \uparrow$	<< OSDisk (C:) > xampp > htdocs > sports desk	ٽ ~	Search sports de	sk 🔎
Screens	^ Name	Date modified	Туре	Size ^
Sports List	functions	5/3/2019 7:33 PM	File folder	
XAMPP	images	5/3/2019 7:33 PM	File folder	
ConeDrive	h style	5/3/2019 7:33 PM	File folder	
	admin_dashboard.php	5/1/2019 10:10 PM	PHP File	17 KB
This PC	compare_students.php	5/1/2019 10:10 PM	PHP File	31 KB
illi 3D Objects	events_list.php	5/1/2019 10:10 PM	PHP File	26 KB
E Desktop	index.php	2/18/2019 8:33 PM	PHP File	3 KB
Documents	instructors_list.php	5/1/2019 10:10 PM	PHP File	30 KB
	🗋 login.php	5/1/2019 8:00 PM	PHP File	8 KB
> Downloads	🗋 logout.php	2/20/2019 6:45 PM	PHP File	1 KB
J Music	practice_sessions_list.php	5/2/2019 12:10 AM	PHP File	29 KB
Pictures	register.php	4/11/2019 1:25 PM	PHP File	10 KB
Videos	report_compare_students.php	5/1/2019 10:10 PM	PHP File	15 KB
🞲 OSDisk (C:)	report_events_per_month.php	5/1/2019 10:10 PM	PHP File	15 KB
A Naturali	report_schedule_for_time_period.php	5/1/2019 10:10 PM	PHP File	18 KB
INECWORK		5/1/2010 10.10 DM	DUD File	16 VD ¥
26 items				

Figure C.11 Project Location

Step 02:

Get the user name of the created folder in htdocs and in the browser use the address "localhost/sports desk" and search.



Figure C.12 Accessing Main Page