

DESIGN AND DEVELOPMENT OF SPORTS PORTAL

BY

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This Report Presented in Partial Fulfillment of the Requirements for the
Degree of Bachelor of Science in Computer Science and Engineering

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DAFFODIL INTERNATIONAL UNIVERSITY

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APPROVAL

This Project/internship titled “**Design and development of sports portal**”, submitted by **Md. Jahiedbin siddik** ID No: **161-15-7567** to the Department of Computer Science and Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of B.Sc. in Computer Science and Engineering and approved as to its style and contents. The presentation has been held on 7th December, 2019

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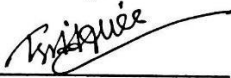
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DECLARATION

We hereby declare that, this project has been done by us under the supervision of, **Shah Md Tanvir Siddiquee, Assistant Professor, Department of CSE**, Daffodil International University. We also declare that neither this project nor any part of this project has been submitted elsewhere for award of any degree or diploma.

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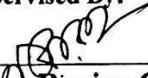
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We would like to thank our entire course mate in Daffodil International University, who took part in this discuss while completing the course work

Finally, I must acknowledgement with due respect the constant support and patients of my parents.

ABSTRACT

The main objective of this Design and development of sports portal is to deliver authentic and accurate news easily and comfortable for the sportsperson and fans right from finding the current condition and other services. In this project, we have two modules, Admin, and user. Admin in this improved sports portal System project will log in with the default username and password and admin has the authority to add the blog articles and add the manage the articles and comments to the admin will add the users at particular times in different views. Admin will also add the different advertising agencies while live matches in ongoing to deliver specific advertise in different news. Finally, the user will register and log in and find the appropriate places and use the package id and then he will search the news and sports profile by giving all details like date of match and type of match, etc. After selecting the information user will be headed to select specific news in a view the selected match will be displayed. If the user feels any feedback need to give, he can provide feedback to admin

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CHAPTER 1

INTRODUCTION

1.1 Introduction

In this era, technology is improving day by day and various organizations use technology for their own advantage. If we look at our data, it's increasing day by day. To maintain or control this large data we need the help of our technology. On the other hand, all of the sports news and coverage are going to the web and it's all about a large amount of data. Many peoples, fans and sportsmen cannot access this information easily. For example, many of the peoples can access the information but they don't know about how the application or portal easy for themselves. Most of the portal is very complex to understand normal people who don't know very well at technology and sports. In this particular part, we are currently working to provide reliable services for sports lovers and persons.

1.2 Motivation

To begin this project, I was very excited about this project. Because of the madness of mine about cricket and other sports. In 2004, I was very passionate about sports when I was a child. Sometimes, I am going to see a cricket match at the stadium and across the border also. By this time, I already visited 4 different countries for supporting only the Bangladesh team. I am a very beginning member of Bangladesh Cricket Supporters Associations. In recent, I found a very sad matter for sports lovers! There is no reliable portal for cricket and other sports. By this motivating, currently doing this project as a final year project. Some of the features of my work below here,

- a) User can visit this site easily
- b) Proper news with details
- c) Easily manage the users, packages and Issues.

1.3 Objectives

In this work, we are working to develop a flexible, efficient, reliable and secure sports portal for Bangladeshi sports lovers. We are working two languages such as Bengali and English. This portal not only for the Bangladeshi sports portal, but users can also find the whole world sports news through this site in an efficient manner. We are

currently working to improve this site as the number one sports portal in Bangladesh. For this reason, we developed an efficient and effective SEO friendly website. The users can easily find their desired news and information via this web portal with google search engine. The main features are:

- a. Login
- b. Log out
- c. Author/Editor profile
- d. Update information
- e. Live score

Admin:

- a. Create news articles
- b. Manage articles
- c. Manage issues
- d. Manage Enquiries.

1.3.1 Stakeholders

There are three types of stakeholders in our project. Such as:

- Players
- News Agency
- Government/Organization

To complete this project on time we need to prepare a project schedule. It helps to remind what task needs to do within timeframe.

Table 1.1: Project Schedule:

Activities	Duration (in week)	Total week
Brainstorming	Week 1	1
Problem identification	Week 1, Week 2	2
Requirement specification	Week 2	1
Requirement analysis	Week 2, Week 3	2
Design specification	Week 4	1
Quality assurance	Week 4	1
Database design	Week 5	1

News part	Week 5, Week 6, Week 7, Week 8,	4
News&blog company portion	Week 10, Week 11, Week 12, Week 13,	4
Test case	Week 4, Week 8, Week 10,	3
Unit testing	Week 13	1
Black-box testing	Week 14, Week 15	2
Software release	Week 16	1

The release plan is given below:

Table 1.2: Release Plan

Version	Feature	Date
v0.1	Web based system	10-12-2019
v0.2	Manage user, message, comment	04-05-2020

1.4 Expected Outcome

We expect that the outcome of our project will be specific and on the money. The way we plan our work, it is just going in the right direction so far. So, we hope that the result will be satisfactory and the user will get a handy intelligent to heal this system. Users can see the specific news or can make their way out. Also, this system provides a user-friendly environment. Users can collaborate with the system and collect information for various places. Thus, the user can decide where he wants to go or is that place suitable for him or not. We are working on our database for up to date information and for that purpose we are putting as much as updated data. We are also aware of the correct data and corrupted data. To reduce any kind of user harassment, we are gathering data from authenticated sources. And of course, as a user-friendly system, we are going to provide various signup option for the easy and great experience of improved sports portal system.

1.5 Report Layout

In this project a full overview of our system and related work and terminologies are given gradually. We recently made a research on this work and try to what is more scope to develop this existing project. In chapter 2 we describe the challenges and facing problem which is make difficult to us. Another chapter 3 we describe the three stage of background. We also describe the requirement specification and try to disclose users demand. In, chapter 4 and 5 we disclose how we solve the problem and what we use to implement the project. Finally, in chapter 6 we remark some concluding and suggestions for future works.

CHAPTER 2

BACKGROUND

2.1 Introduction

The key aspects of the improved cricket portal system are access to appropriate and precise information about whole cricket worlds. The correctness of the information is a serious issue for those seeking proper information. Moreover, many portals are available but very few intelligent portal applications to make the cricket news more effective for sports lovers. This application focuses mainly on efficient sports news and recommendation for the sports world and tries to bridge the gap by applying different cutting-edge technology in the future.

2.2 Related Works

The Design and development of sports portals is the most efficient sports web portal in whole Bangladesh. There is some sports portal available in the marketplace but all of the portals are very common to compare with our system. In Bangladesh, BD crictime (<https://bn.bdcrictime.com/>) is mostly a popular portal but this site is very clumsy. We studied some of the Bangladeshi popular news portals and their sports section especially. We found that these sites are not very satisfying for a sports lover. Moreover, we studied all of the most popular cricket web portals such as ESPN Cricinfo, cricbuzz, cricket world, cricket365, etc. And we were taken some great ideas from these sites. All of the popular sites are already going to intelligence-based services. Therefore, we are planning to make a cricket portal in Bengali including these features and it has to support the same criteria the traditional system supports, such as security and anonymity. However, this intelligence application will be the very first time in Bangladesh and also with the Bengali language.

2.3 Comparative Study

We have developed our project “An improved sports portal system” for using as a complete web-based solution and meet the benchmark of secure and intelligence application. Before this project, we studied local and worldwide cricket-based portal, applications, websites, and opportunities. The various applications and some of the websites are available on the market. In the perspective of users, most of the application doesn't meet with the best user experience. Also, those are failed to fulfill

user requirements on a specific part. On the other hand, our application will be better to use with the best experience. We have tried our best and still trying to fulfill all user needs and requirements from the very first version.

The main purpose of this study is to design a secure, reliable and intelligent cricket-based web portal. We have a belief that the system will be a great useful application for the sports men and fans around the world and it will be a modern addition to this new tech-based world.

2.4 Scope of the Problems

The main goal of our project is to provide a web-based on an improved intelligent system in Bangla language including English. It will be an easy way for sports lovers to choose with the right information in real-time. The system is mostly secure for all users. It will be helpful for sports fans to get their desired news.

2.5 Challenges

The challenges of the system are to provide a reliability, 24/7 clients support to engage in a critical situation and an authenticate source of information. But we are exploring this problem to solve.

CHAPTER 3

REQUIREMENTS SPECIFICATION

3.1 Business Process Model

This section usually describes that what work need to be done in order to get the expected outcome. We know business process modeling is the graphical representation of an organization's business processes or workflows, as a result of identifying potential improvements and moves. Usually it is done through applying different graphing methods.

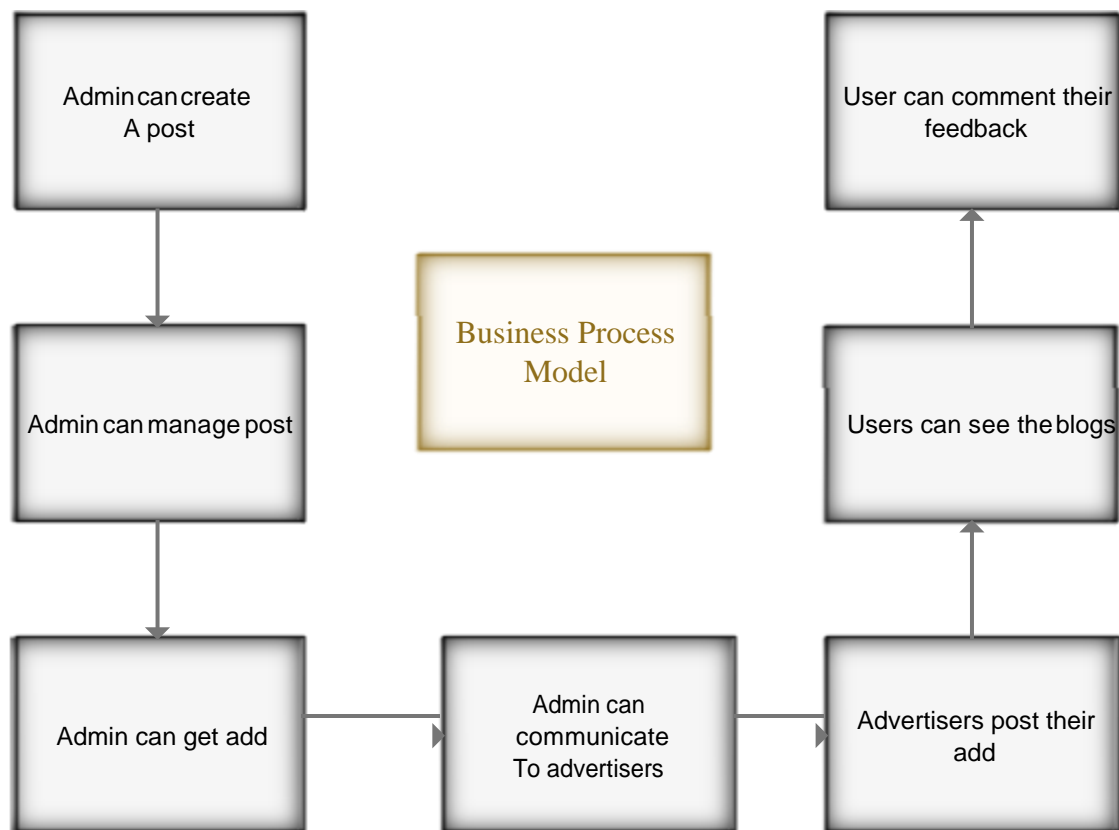


Figure 3.1: Business process modeling

3.2 Requirement Collection and Analysis

Requirements are needed for new or modified products and requirements are analyzed according to user exceptions and actual basis. Quantifiable, relevant and detailed requirement is must. Requirement analysis is done by gathering and specifying them. Generally, requirements are gathering by brainstorming, interviews, user observation, questionnaires and document research. These requirements are identified according relevant area. By meeting with my supervisor, I listed the requirements from our

perspective. Luckily my supervisor very cooperative and friendly about work, so it was easy to collect real life requirements from us.

3.3 Use Case Modeling and Description

Use case diagram are used to gather requirements of a system. Use cases are mainly used during the analysis phase of a project to identify system functionality. It separate the system into actors and use cases. Here the actors are:

- User
- Admin

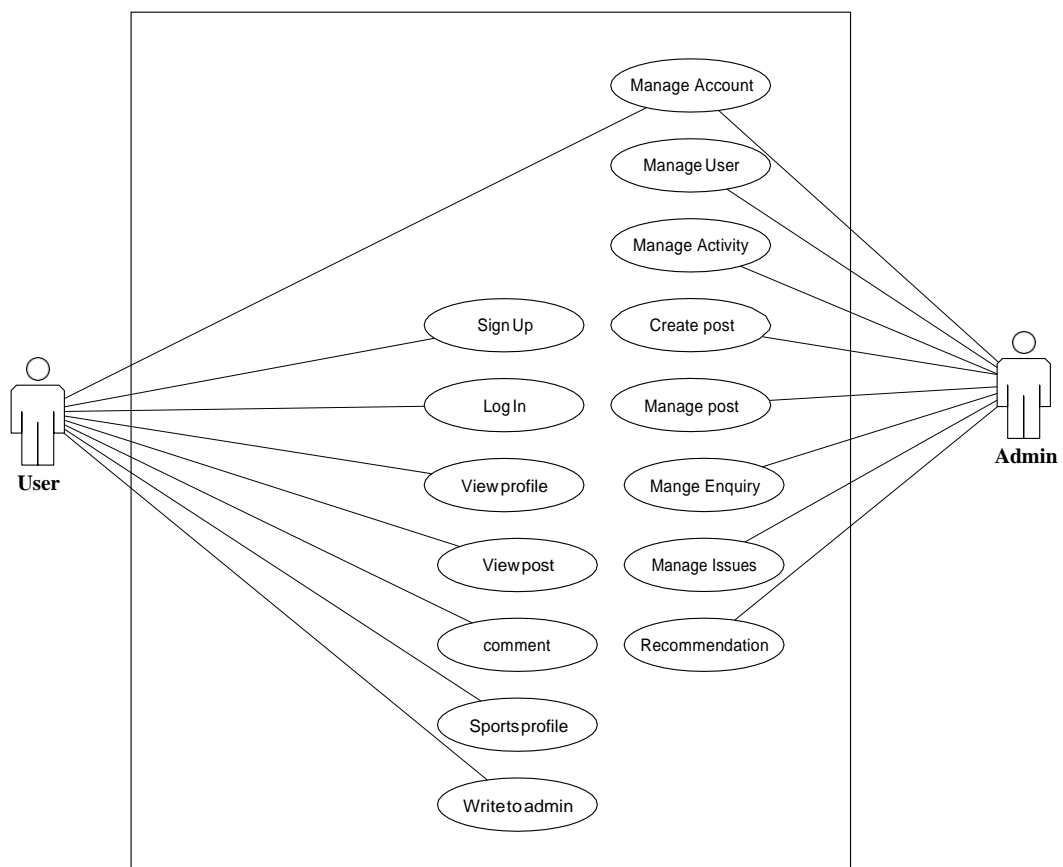


Fig. 3.2. Use case diagram

3.4 Sequence Diagram

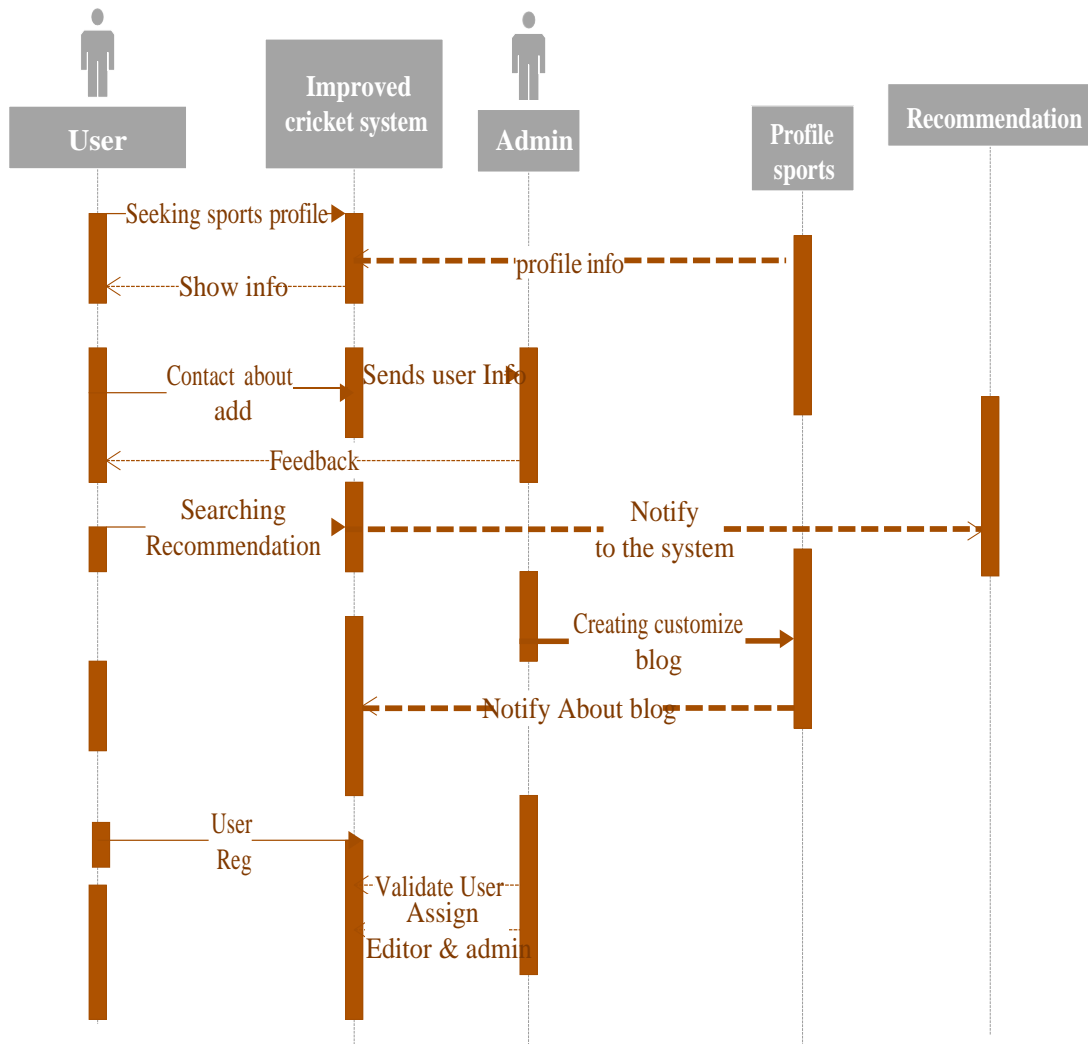


Fig 3.3 Sequence Diagram

3.5 Logical Data Model

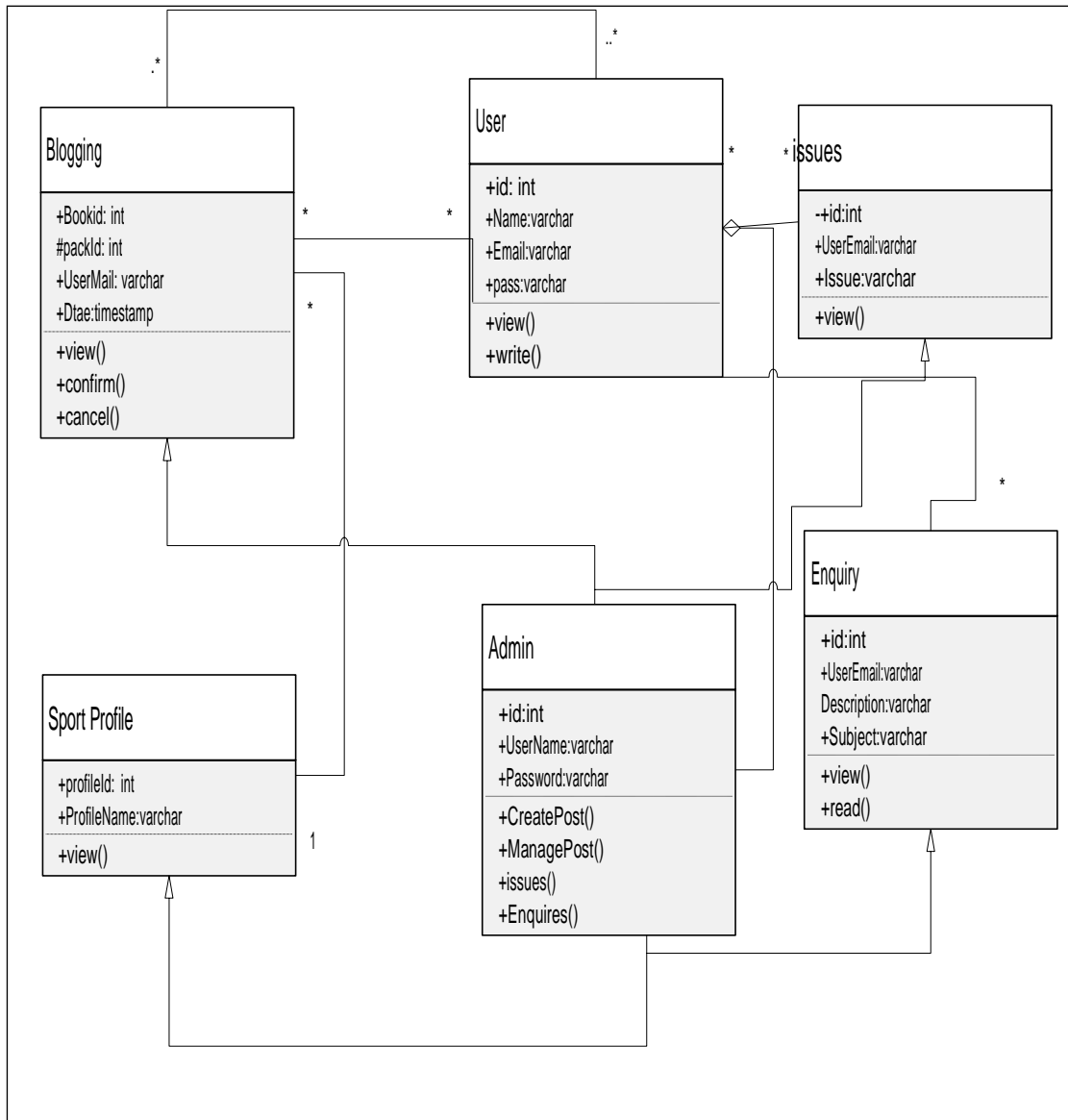


Figure 4.1: Logical Data Model

In the logical data model, there are few modules such as: Booking, User, Issues, Enquiry, Admin, Packages. Moreover, user can book their desire reservation, they can view their booking, cancel and confirm also. Therefore, admin can create packages, manage packages, manage booking, manage issues, and manage enquires etc.

3.6 Design Requirements

A Systems design is the process of defining the architecture, components, modules, interfaces, and data for a system to satisfy specified requirements of an application. The system design of our application has been showed, where architectural design, use case diagram, sequence diagram, class diagram included. Whole design of this project is user friendly. Modern and updated design tools have been used for this project. Such as Microsoft Visio, creatly, canva etc. In future any kind of edit is allowed as time permits. The web application working procedure is attached below,

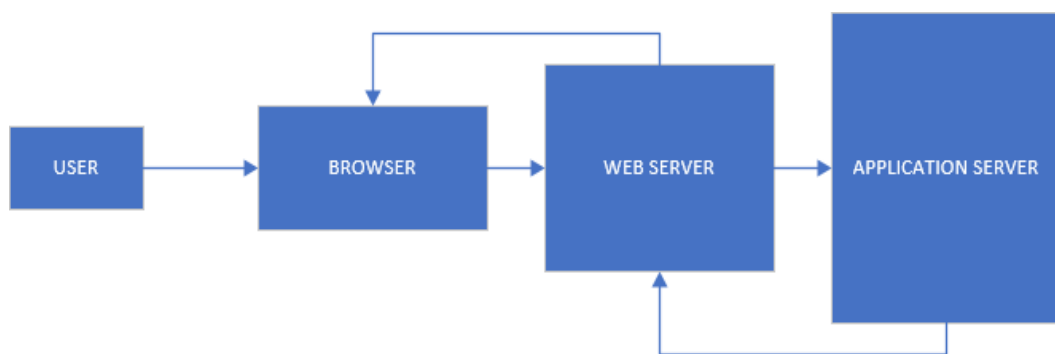


Figure 4.2: Design Requirement

CHAPTER 4

DESIGN SPECIFICATION

4.1 Font-end Design

Different tools and technology are used to develop this software. This system is a web application. We used to build this software are mentioned below.

- HTML5
- CSS
- Bootstrap 4
- JavaScript
- jQuery
- PHP 7+
- WordPress

4.2 Back-end Design

When we choose a right web development framework to develop a web application for the business can be a very difficult task because there are so many optional available from the past few days.

From developer perspective, they have to choose a language and framework because they used it on their recent project or they are more familiar with it. Before beginning a new software application, developers want to assess which language and framework is the best fit for their required products. Therefore, we choose WordPress, because of Security, rapid development, scalability, versatility, support. In the backend design, we used MySQL database management tools for our application. Table 4.2.1 shows that the details about tools and technology.

Table 2.2 Tools and Technology

Tools & Technology	Version	Released Date
PHP	7.1	June 27, 2018
WordPress	2.1.10	April 1, 2019
MySQL	8.0	April 25, 2019
Sublime Text	3.1	July 24, 2019

4.3 Interaction Design and UX

DESIGN

As the system is a web-based system, we need to use the HTML5, CSS, Bootstrap, JavaScript and JQuery to run the system as web application. In my point of view, they are best to develop a web system.

COMPLETION

This project is going to easy access into healthis areas. Every of the portion will be updated any time.

PROJECT DELIVERABLES

The software projects must welcome changing requirements, even it can be late in development. Delivering working software frequently in possible shortest time. After that, a software project delivery can be process improvements, new or improved services, service quality improvements, risk reduction benefits, increases to the flexibility or effectiveness of staff or products.

RESOURCE ALLOCATION

In the beginning of software planning process, the resource allocation intuition stage is a plan for using available resources for the development of this software. Moreover, i.e., human resources (HR), always a vital part of a software project to achieve goals for the future.

4.4 Implementation Requirements

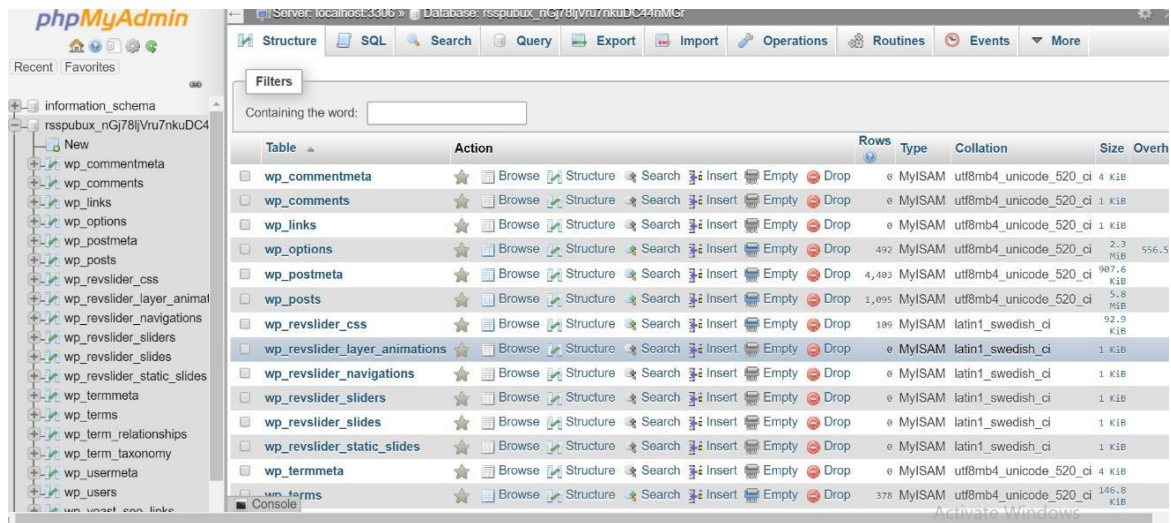
Requirements analysis in systems, it is very early phase to developing a software project those tasks that go into determining the needs or conditions to meet for a new or altered product. Therefore, a requirements analyst to taking account of the possibly conflicting requirements of the various stakeholders analyzing, documenting, validating and managing software requirements.

CHAPTER 5

IMPLEMENTATION AND TESTING

5.1 Implementation of Backend

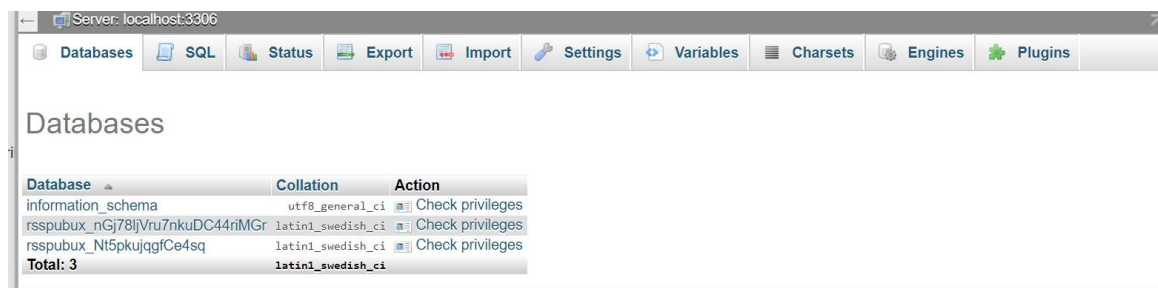
This is the snapshot on database of DesignandDevelopmentSports Portal Systemapplication. Moreover, all of the features from our application which will be the track records of the background system also. In this project we work in MySQL tools for database data handling.



The screenshot shows the phpMyAdmin interface for a MySQL database. The left sidebar displays a tree view of the database structure, including tables like wp_commentmeta, wp_comments, wp_links, wp_options, wp_posts, wp_revslider_css, wp_revslider_layer_animations, wp_revslider_navigations, wp_revslider_slides, wp_revslider_static_slides, wp_termmeta, wp_term_relationships, wp_term_taxonomy, wp_usermeta, and wp_users. The main area shows a table list for the selected database, with columns for Table, Action, Rows, Type, Collation, and Size. The table wp_revslider_layer_animations is highlighted.

Table	Action	Rows	Type	Collation	Size	Overh
wp_commentmeta	Browse Structure Search Insert Empty Drop	e	MyISAM	utf8mb4_unicode_520_ci	4 K	13B
wp_comments	Browse Structure Search Insert Empty Drop	e	MyISAM	utf8mb4_unicode_520_ci	1 K	13B
wp_links	Browse Structure Search Insert Empty Drop	e	MyISAM	utf8mb4_unicode_520_ci	1 K	13B
wp_options	Browse Structure Search Insert Empty Drop	492	MyISAM	utf8mb4_unicode_520_ci	2-3 M	556.5
wp_postmeta	Browse Structure Search Insert Empty Drop	4,483	MyISAM	utf8mb4_unicode_520_ci	987.6 K	13B
wp_posts	Browse Structure Search Insert Empty Drop	1,095	MyISAM	utf8mb4_unicode_520_ci	5-8 M	13B
wp_revslider_css	Browse Structure Search Insert Empty Drop	109	MyISAM	latin1_swedish_ci	92.9 K	13B
wp_revslider_layer_animations	Browse Structure Search Insert Empty Drop	e	MyISAM	latin1_swedish_ci	1 K	13B
wp_revslider_navigations	Browse Structure Search Insert Empty Drop	e	MyISAM	latin1_swedish_ci	1 K	13B
wp_revslider_slides	Browse Structure Search Insert Empty Drop	e	MyISAM	latin1_swedish_ci	1 K	13B
wp_revslider_slides	Browse Structure Search Insert Empty Drop	e	MyISAM	latin1_swedish_ci	1 K	13B
wp_revslider_static_slides	Browse Structure Search Insert Empty Drop	e	MyISAM	latin1_swedish_ci	1 K	13B
wp_termmeta	Browse Structure Search Insert Empty Drop	e	MyISAM	utf8mb4_unicode_520_ci	4 K	13B
wp_users	Browse Structure Search Insert Empty Drop	378	MyISAM	utf8mb4_unicode_520_ci	146.8 K	13B

Fig 5.1. The main database tables of cricket web application



The screenshot shows the 'Databases' section of phpMyAdmin. It displays a table with columns for Database, Collation, and Action. The table lists three databases: information_schema, rsspубux_nGj78jVru7nkuDC44riMGr, and rsspубux_Ni5pkujqgFCe4sq. The total number of databases is 3.

Database	Collation	Action
information_schema	utf8_general_ci	Check privileges
rsspубux_nGj78jVru7nkuDC44riMGr	latin1_swedish_ci	Check privileges
rsspубux_Ni5pkujqgFCe4sq	latin1_swedish_ci	Check privileges
Total: 3	latin1_swedish_ci	

Fig 5.2The figure shows that the part of database.

wp_revslider_sliders_bkp	★	Browse	Structure	Search	Insert	Empty	Drop	0	MyISAM	latin1_swedish_ci	1 KIB
wp_revslider_slides	★	Browse	Structure	Search	Insert	Empty	Drop	0	MyISAM	latin1_swedish_ci	1 KIB
wp_revslider_slides_bkp	★	Browse	Structure	Search	Insert	Empty	Drop	0	MyISAM	latin1_swedish_ci	1 KIB
wp_revslider_static_slides	★	Browse	Structure	Search	Insert	Empty	Drop	0	MyISAM	latin1_swedish_ci	1 KIB
wp_revslider_static_slides_bkp	★	Browse	Structure	Search	Insert	Empty	Drop	0	MyISAM	latin1_swedish_ci	1 KIB
wp_smush_dir_images	★	Browse	Structure	Search	Insert	Empty	Drop	0	MyISAM	utf8mb4_unicode_520_ci	1 KIB
wp_termmeta	★	Browse	Structure	Search	Insert	Empty	Drop	0	MyISAM	utf8mb4_unicode_520_ci	4 KIB
wp_terms	★	Browse	Structure	Search	Insert	Empty	Drop	359	MyISAM	utf8mb4_unicode_520_ci	59.5 KIB
wp_term_relationships	★	Browse	Structure	Search	Insert	Empty	Drop	1,456	MyISAM	utf8mb4_unicode_520_ci	103.9 KIB
wp_term_taxonomy	★	Browse	Structure	Search	Insert	Empty	Drop	359	MyISAM	utf8mb4_unicode_520_ci	34.3 KIB
wp_usermeta	★	Browse	Structure	Search	Insert	Empty	Drop	220	MyISAM	utf8mb4_unicode_520_ci	36.8 KIB
wp_users	★	Browse	Structure	Search	Insert	Empty	Drop	6	MyISAM	utf8mb4_unicode_520_ci	8.9 KIB
wp_yoast_seo_links	★	Browse	Structure	Search	Insert	Empty	Drop	412	MyISAM	utf8mb4_unicode_520_ci	59.4 KIB
wp_yoast_seo_meta	★	Browse	Structure	Search	Insert	Empty	Drop	872	MyISAM	utf8mb4_unicode_520_ci	31.5 KIB
31 tables									Sum	11,918	7.6 MB

Fig 5.3. The parts of the databases table

Name	Size	Last Modified	Type	Permissions
wp-config-sample.php	2.83 KB	Jan 8, 2019, 10:30 AM	application/x-httpd-php	0644
wp-config.php	3.13 KB	Aug 4, 2019, 1:55 PM	application/x-httpd-php	0666
wp-cron.php	3.76 KB	Jan 9, 2019, 2:37 PM	application/x-httpd-php	0644
wp-links-opml.php	2.44 KB	Jan 16, 2019, 11:29 AM	application/x-httpd-php	0644
wp-load.php	3.23 KB	Dec 1, 2017, 5:11 AM	application/x-httpd-php	0644
wp-login.php	38.62 KB	Jun 10, 2019, 7:34 PM	application/x-httpd-php	0644
wp-mail.php	8.21 KB	Dec 1, 2017, 5:11 AM	application/x-httpd-php	0644
wp-settings.php	18.52 KB	Mar 29, 2019, 1:04 AM	application/x-httpd-php	0644
wp-signup.php	30.36 KB	Jan 16, 2019, 10:51 PM	application/x-httpd-php	0644
wp-trackback.php	4.65 KB	Dec 1, 2017, 5:11 AM	application/x-httpd-php	0644
xmlrpc.php	3 KB	Aug 17, 2018, 7:51 AM	application/x-httpd-php	0644

Fig 5.4. This part shows the C panel of the application

5.2 Font End Design of Cricket Portal

Homepage

User need to go to the home page of this system to use it. The beautiful and flexible homepage below attached.

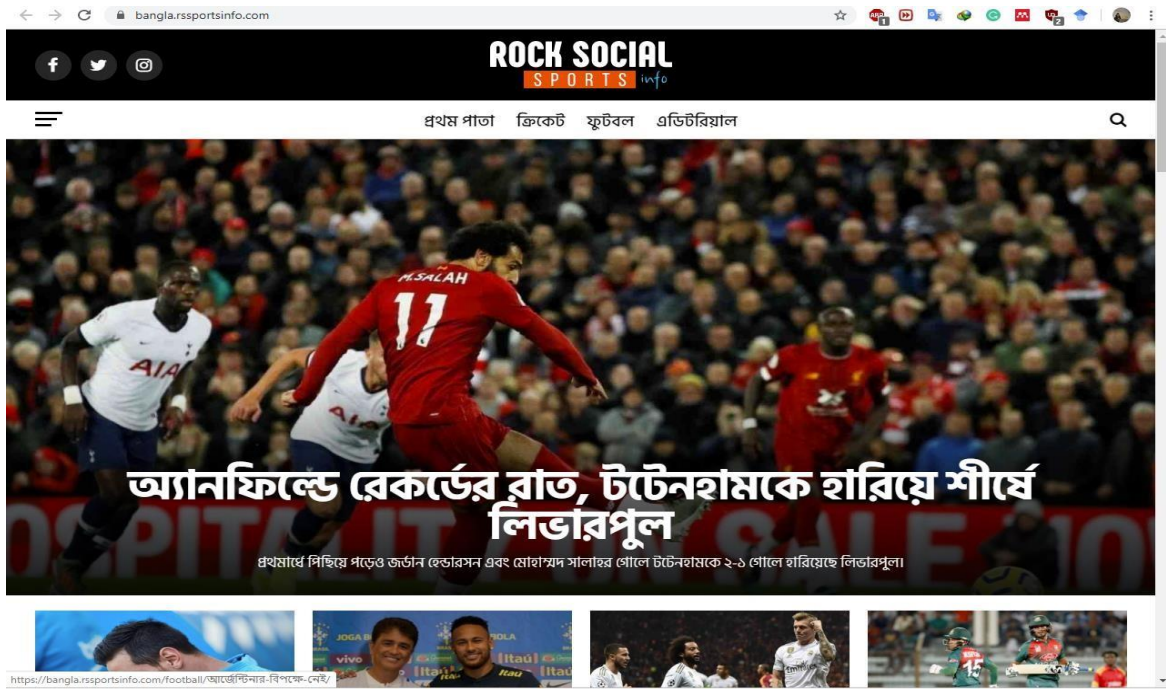


Fig. 5.5 The home page of our Bangla portal application



Fig. 5.6 The home page of our English portal application



Fig. 5.7 The home page of our English portal application

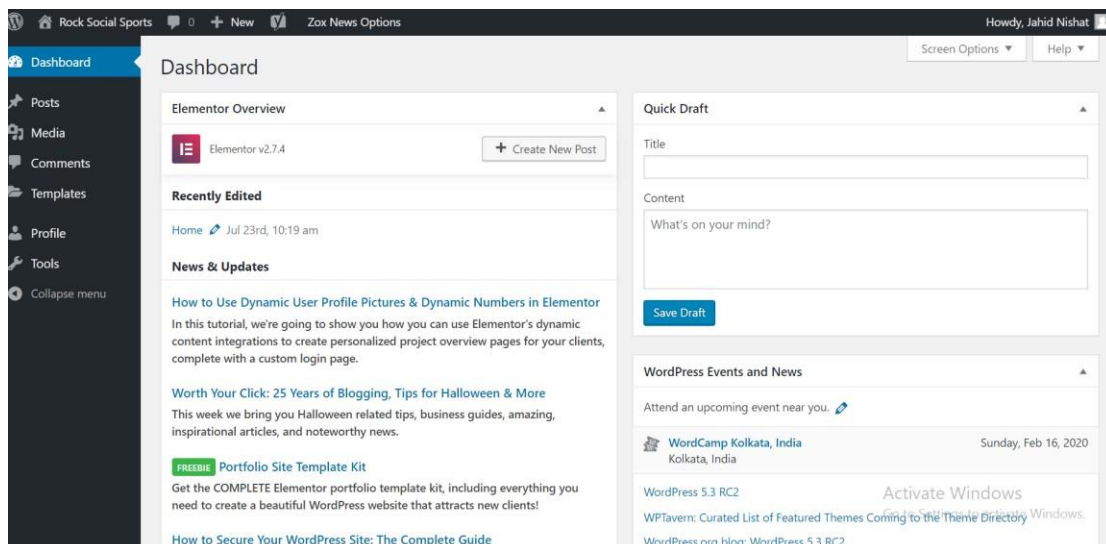


Fig 5.8 The dashboard of English portal application

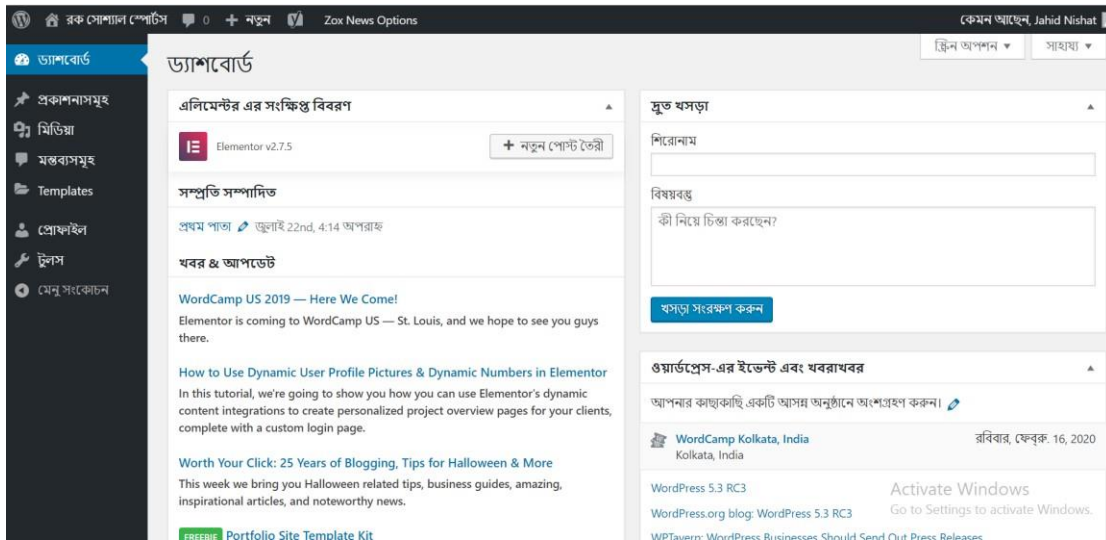


Fig 5.9 The dashboard of Bangla portal application

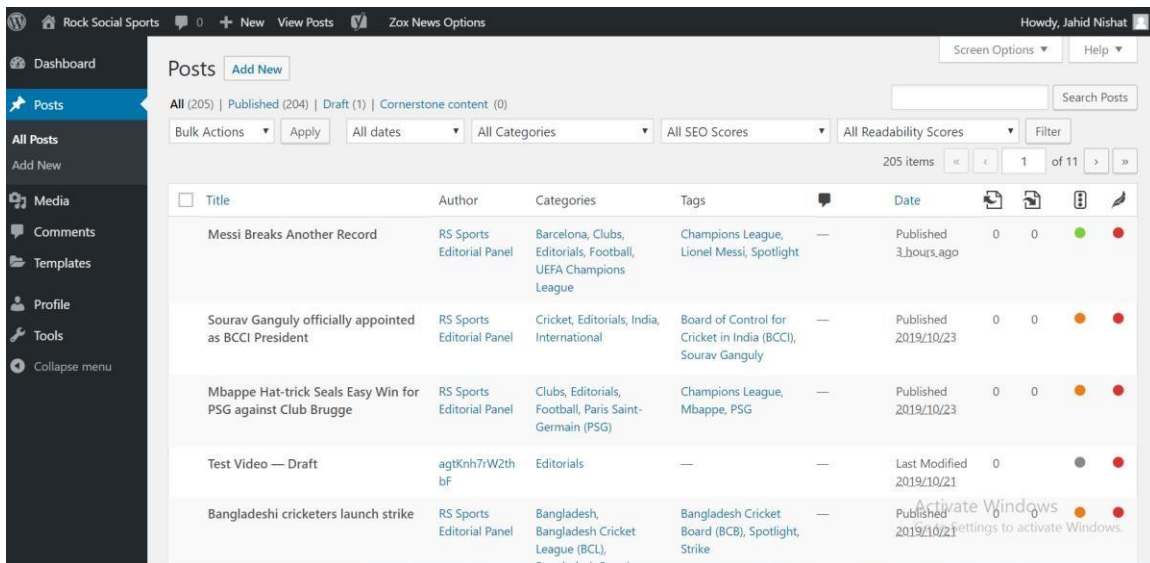


Fig 5.10 All of posts from dashboard of our system

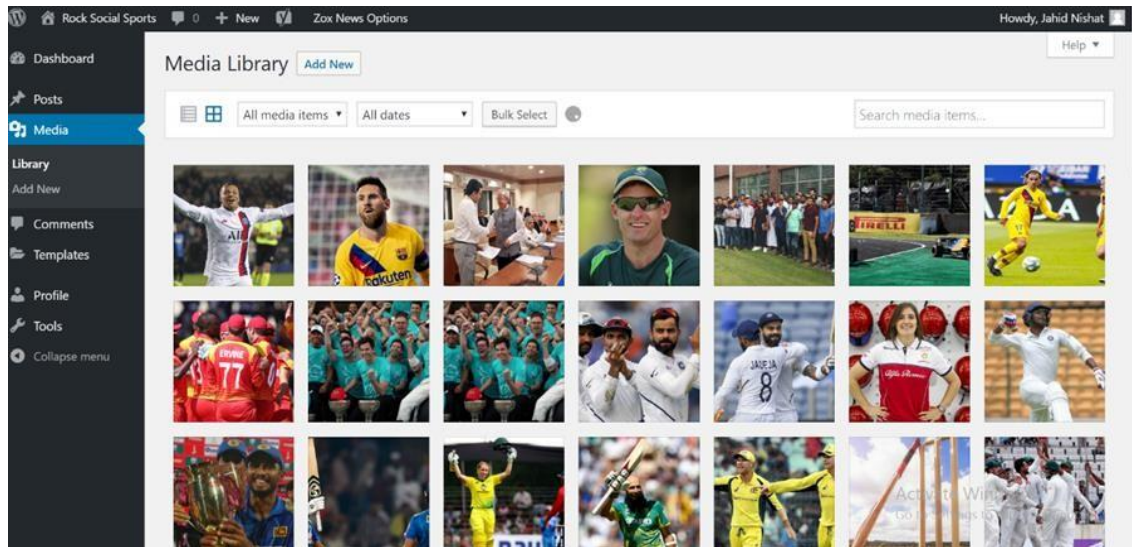


Fig 5.11 Media library of the improved cricket system

5.3 Implementation of Interactions

Modern technology and innovations created a new dimension of sports fields which supply several tools and technologies. In particular for cricket, it can make explicit particular aspects of activity so that they can be found their desired queries, recorded, discussed and evaluated. Many sports portal companies are trying to integrate new technologies of their portals to develop new paradigms in this area.

The improved cricket portal system is one of new stage of cricket onlywhereas users can visit latest and desire sports news, specially recommended news for only him/her and, other technologies to enhancing and facilitating visiting different places for crickets.

5.4 Testing Implementation

A new test set is to be written for testing this system's features and functionality. Different feature and functionality have different characteristics. Making change to add or modify new functionality to the existing system is generally considered as feature testing. To make the system more reliable, secured, useful, effective and efficient I have to design test set. To understand whether a system works properly or not testing is necessary.

Table 5.1 Features to be tested

Features	Priority	Description
Login	L	User should access system after

		successful login.
Logout	L	Session have to be destroyed after logout
Register	L	User need to be registered first to accesssystem.
Post blog	H	admin can post blog.
Comment	M	User can comment on post.
Send Message	M	userscan send message to admin.
Delete User	M	Admin can delete any user.

Here, L = Low Priority, M = Medium Priority, H = High Priority.

5.4.2 Testing Strategy

A general purpose of testing process is testing strategy. Testing strategy includes testing function methods, testing object, total available resources. Testing strategy is the indicator of test levels which should perform on the whole software development life cycle. Quality assurance team prepares these strategies and reviewed by the developers. Different kinds of testing strategies should be performed according to the system type that needed to test. On this system user acceptance testing is done.

5.4.3 Test approach

To complete test process testers must take some approach. There are mainly two test approaches:

- Automation Testing:**Automation testing is a technique uses an application to implement entire life cycle of the software in less time and provides efficiency and effectiveness to the testing software. Automation testing is an Automatic technique where the tester writes scripts by own and uses suitable software to test the software. It is basically an automation process of a manual process.

- Manual Testing:** Manual testing is the process of using the functions and features of an application as an end-user would in order to verify the software is working as required. With manual testing, a tester manually conducts tests on the software by following a set of pre-defined test cases.

5.4.4 Black Box Testing

Black box testing is a software testing method in which the internal structure/design of the item being tested is not known to the tester. These tests can be functional or non-functional, though usually functional. This method is named so because the software program, in the eyes of the tester, is like a black box; inside which one cannot see.

5.4.5 Equivalent Class Partition

Equivalence partitioning (EP) is a specification-based or black-box technique. It can be applied at any level of testing and is often a good technique to use first. In equivalence-partitioning technique there need to test only one condition from each partition. This is because assuming that all the conditions in one partition will be treated in the same way by the software. If one condition in a partition works, assume all of the conditions in that partition will work, and so there is little point in testing any of these others.

5.4.6 Boundary Value Analysis

In software testing, the boundary value analysis is a black box design technique based on test cases. This technique is applied to see if there are any bugs at the boundary of the input domain.

5.4.7 White Box Testing

In black box testing internal architecture or algorithm is not known to the tester, but in the white box testing whole architecture is known to the testers. A white box tester is usually a developer, as some degree of programming experience is required. By contrast, it can be useful for black box testers to lack such technical perspective, as their experience of the software should closely resemble that of an end user.

White box testing can be classified into some levels. Such as:

- Unit Testing
- Integration Testing
- System Testing

5.4.8 Pass/ Fail Criteria

Generally, test engineers set the pass or fail criteria. They prepare the pass/fail criteria according to which input data worked and which are not works. Pass criteria are the worked data and rest of the input data are considered as fail criteria. For this system pass/fail criteria are given below:

- One criterion should be passing always accurately to be considered as passcriteria.
- System crush will considered as fail criteria.
- Not showing expected results will considered as fail criteria.

Table 3.2 Testing Schedule

Test Phase	Time
Testing plan creation	1 week
Test specification	3 weeks
Unit Testing	During development time
Validating use case	2 weeks
User interface test	1 week
Load test	1 week
Release to production	1 week

5.4.10 Testing Environment

Test engineers need to prepare an environment with hardware and software to execute test case as required, this is call testing environment. Sometimes network configuration needed to execute test plan. Some key environment area for testing is given below.

- Test data
- Operating system
- Browser
- Database server
- Network
- Project documentation.

- Hardware with server operating system.

5.5 Test Results and Reports

A test case is a set of conditions or variables under which a tester will determine whether a system under test satisfies requirements or works correctly. [1] The process of developing test cases can also help find problems in the requirements or design of an application. There is a chance of having some fault or break holes in system, test case will help to identify those faults. And also, by using test case we can solve them. So proper testing is needed to expect a min error. Also 100% testing is not possible.

So, I have to choose properly the test case. Test case for this system is mentioned below.

Table4.1: Test case(a)

Test case#1				Test case Name: Login		
System: Sports Portal				Subsystem: N/A		
Designed By: Nishat				Designed date: 26/10/19		
Executed By: Nishat				Executed date:		
Short Description: Registered user can login to application, so system need authentication and authorization.						
Pre-conditions: *User must be registered. *Redirected to login page. *Assume that the email is “mimsad25@gmail.com” and password is “123456”						
Step	Email	Password	Expected result	Actual result	Pass/Fail	Comment
1	mimsad25@gmail	123456	Invalid	As expected,	pass	
2		123456	Email blank	As expected,	pass	
3	mimsad25@gmail.com		Password blank	As expected,	pass	

4	mimsad25@gmail.com	123456	Successful	As expected,	pass	
Post-condition: User will be redirected to dashboard with success message.						

Table 4.2: Test case (b)

Test case#2				Test case Name: Register		
System: Sports Portal				Subsystem: N/A		
Designed By: Sumon				Designed date:		
Executed By: Sumon				Executed date:		
Short Description:User can register with email and password.						
Pre-conditions: *User needs to be in register page. *Valid email and password format. * Assume that the email is “sumon97@gmail.com” and password is “123456”						
Step	Email	Password	Expected result	Actual result	Pass/Fail	Comment
1	sumon97@gmail	123456	Invalid	As expected	pass	
2		123456	Email blank	As expected	pass	
3	sumon97@gmail.com		Password blank	As expected	pass	
4	sumon97@gmail.com	123456	Successful	As expected	pass	
Post-condition: User will be registered and redirected to dashboard with success message.						

CHAPTER 6

CONCLUSION AND FUTURE SCOPE

6.1 Discussion and Conclusion

This is very first in Bangladesh; we are really launching the intelligent Designand of DevelopmentSports Portal web portal which is based one mainly Bengali language including English language. It took a lot of hard working, persistent to build up this project according to the requirements of the stakeholders. At beginning it looked hard for us, but after a raw sketch of design and analyzing the requirement we found our work is simpler than before. This is a web-based application and it has a complex database. So, database designing with proper relation looks easier when we finished up database design. From the stakeholder's perspective we designed user interface which is quite simple and easy to understand. After completing this we have started the backend logic of this system. After completing the development process, we have performed some testing with this system to be confident and finding bugs. It also helped us to ensure the quality of this project. Though the test was done by us but it was done with proper ethics. There are some limitations in my project. Now we will briefly describe them. (a) No android or IOS version: This is only a web-based application. No specific version of android or IOS application to easily access though mobile app. (b) No report option: There is no option for report a profile or post or comment which is irrelevant. (c) No option to control message: Currently no message control is implemented in this system. So, user can't control their message. To build up a system there must be some challenges. Challenges doesn't make me weak but it will give me opportunity to do something better and prove myself. By defending those obstacles and achieve something new will lead me the path of success. At the very beginning of this project we didn't know the proper flow of the software development life cycle also know how to gather requirements from real life. By developing this project, we also learnt the need of development pre-plan.

6.2 Scope for the further development

Though this is not the final version of this system, so we have some plan to improve andadd some feature in this system which will be beneficial to stakeholders and whichcan make this system more. This current version of our work doesn't use any computational intelligent techniques. In our future development, we are planning to build a real time services through big data analysis.

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