Course Teacher: **Md. Shah Jalal**
Course Title: **Web Engineering Lab**
Course Code:**CSE415**

Dear Sir,

Re: Enclosed Application Agreement for CSE Football Association Website

As students, we are aware that developing a client-oriented website requires a blend of technical expertise and clear communication. Our team is committed to delivering a solution that meets your expectations through a combination of innovation, technical skill, and attention to detail.

We understand that every project is unique, and we strive to provide a tailored, cost-effective proposal that aligns with your requirements. Our commitment is to deliver a high-quality system that is user-friendly, feature-rich, and completed within the agreed timeline and budget.

Based on the requirements of the **CSE Football Association**, we have designed the **CSE Football Association Website**. This system includes all essential features and functionalities to manage member registrations, player profiles, blogs, announcements, and other related football activities.

In this agreement, we have documented every aspect of the project, including the functional and non-functional requirements, to ensure complete clarity and alignment. Kindly review the agreement carefully, and if you find it satisfactory, sign and confirm the agreement so we can proceed with the implementation.

Yours Truly,
Name: Shahriar Hossain
ID:**213-15-4589**
Section:**60-D**
Daffodil International University

CSE Department Football Association Website

Project Overview

Purpose:
The primary objective of this project is to develop a website for the CSE Department's Football Association. This website will serve as a platform for students and staff to register as players or members, post blogs, receive updates, and engage with other football-related activities.

Scope:
The website will include registration and login systems, a blog module, regular updates, and an admin dashboard to manage users and content.

Definitions, Acronyms, and Abbreviations:

- **UI:** User Interface
- **DBMS:** Database Management System
- **CMS:** Content Management System
- **CRUD:** Create, Read, Update, Delete

Overview:
This project will ensure that users can easily interact with the platform for football-related content

1.4 References

- Bootstrap Documentation: https://getbootstrap.com
- PHP Official Documentation: https://php.net
- MySQL Documentation: https://mysql.com

Overall Description

Product Perspective
The website will be developed using modern web technologies, including React for the frontend and Node.js for backend services. It will connect to a secure MongoDB database for data storage.

Product Functions
- **Registration/Login**: Players and members can create accounts with unique roles.
- **Event Management**: Admins can post schedules, match results, and updates.
- **Blogging**: A feature-rich platform for sharing articles, photos, and videos.

User Characteristics
- **Player**: Registers to join events and view football-related content.
- **Member**: Participates in discussions and stays informed about association activities.
- **Admin**: Manages the website, events, and content.

Constraints
- Requires a stable backend for smooth operation.
- Responsive design to support desktop and mobile views.

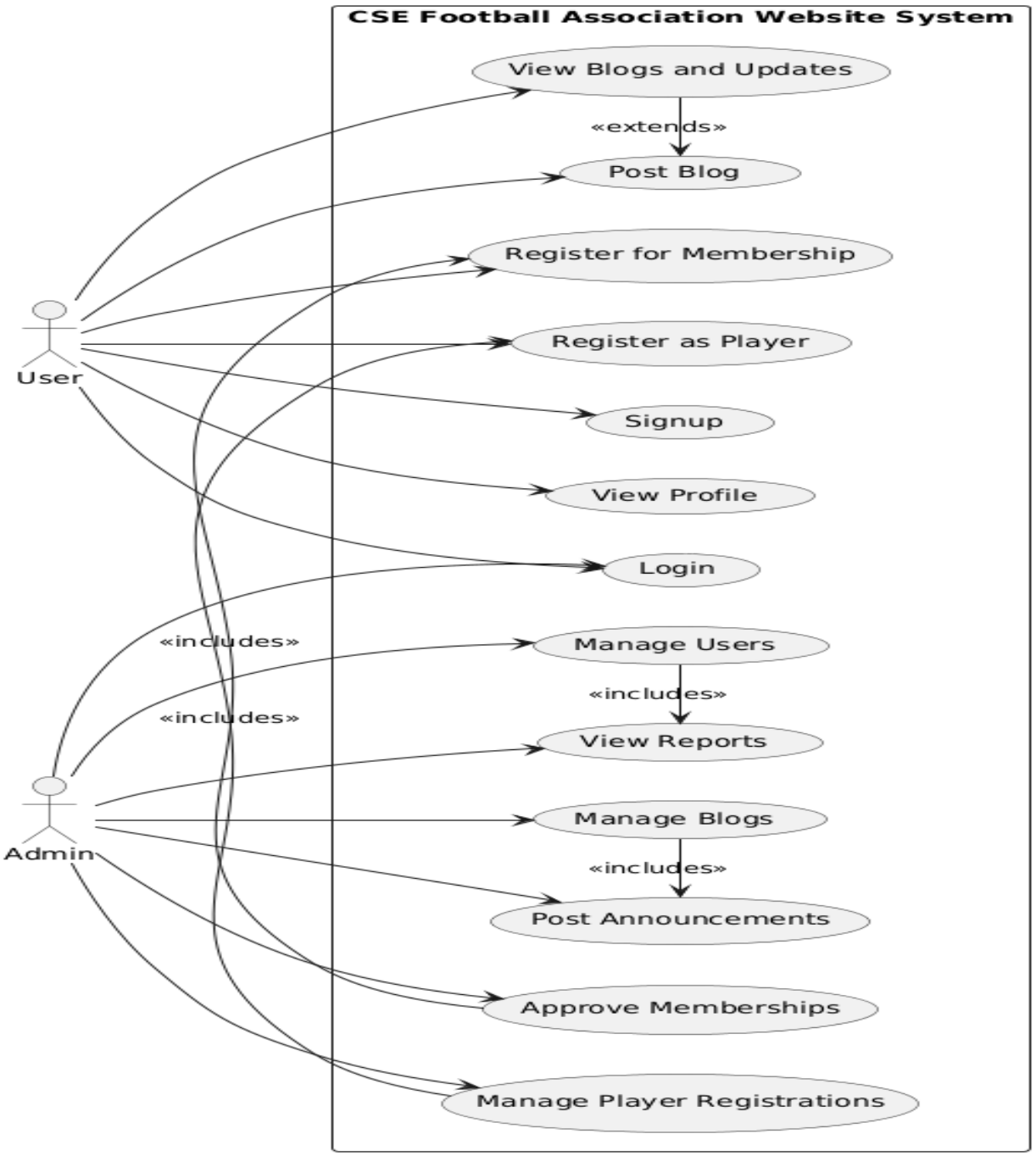
Assumptions and Dependencies
- Reliable API for user authentication and content management.
- Integration with email services for notifications.

3. System Features

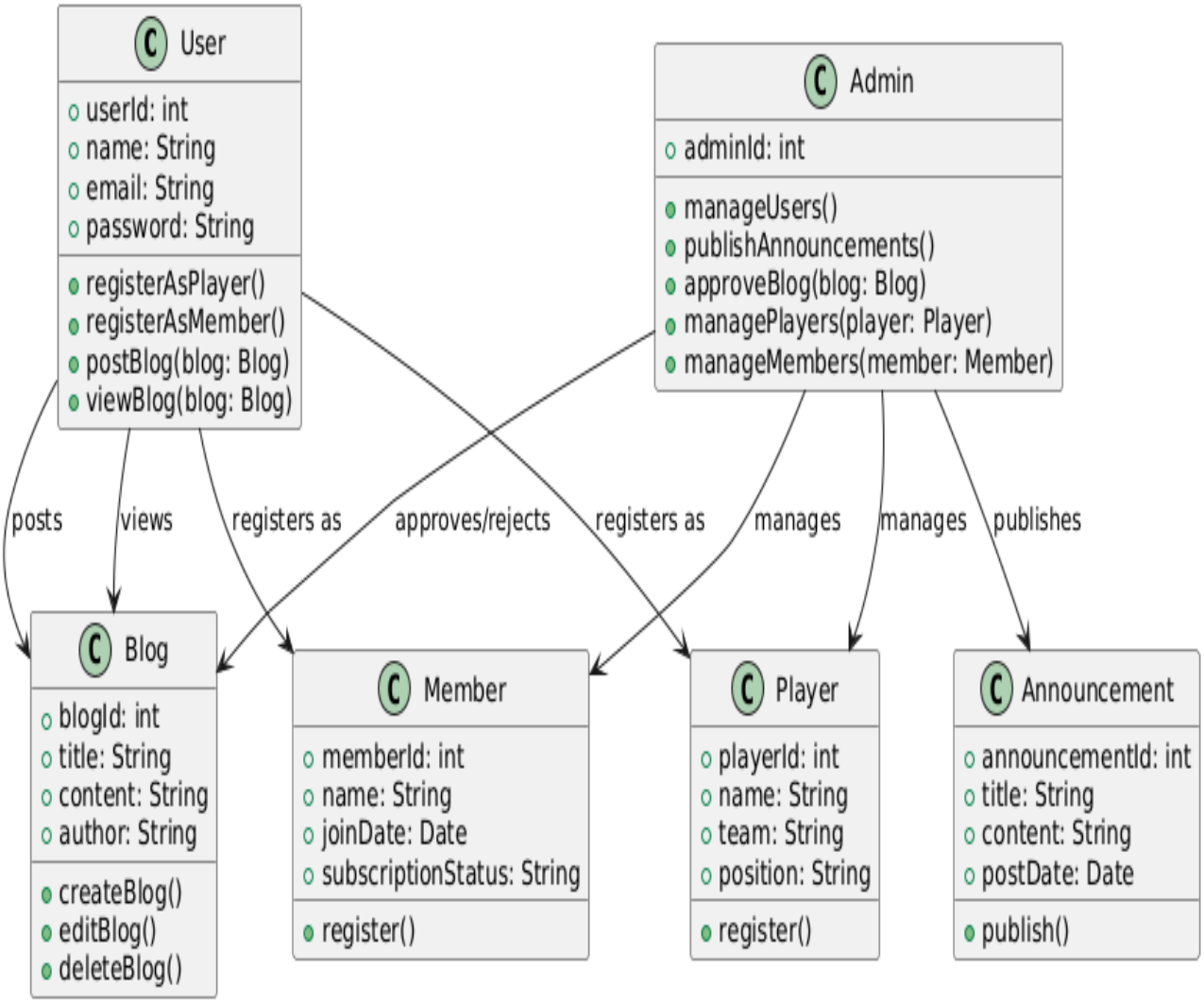
User Roles and Permissions

- **Players**: Register, update profiles, and participate in events.
- **Members**: Register, comment, and read blogs.
- **Admins**: Manage content, events, and users.

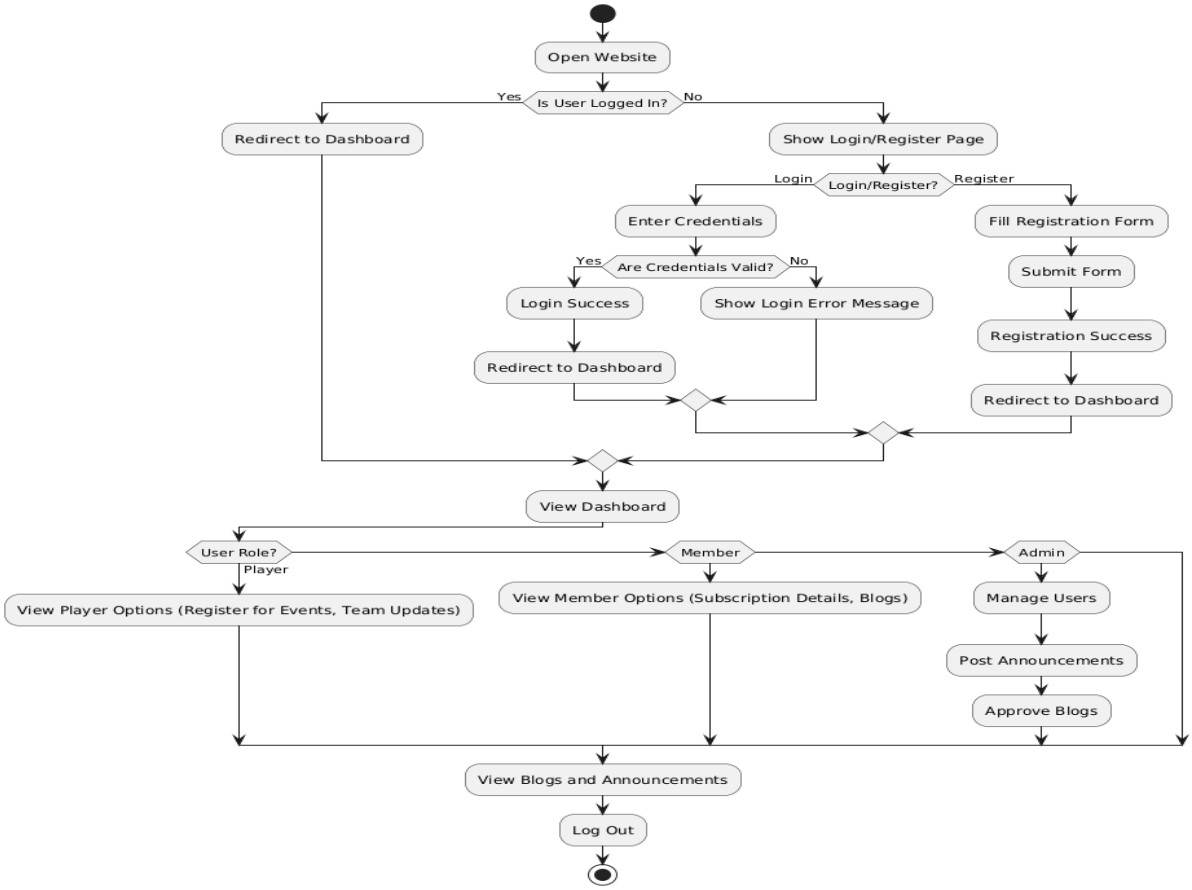
Use Case Diagram:



Unified Modeling Language:



Activity Diagram:



Detailed Workflows:

User Workflow

1. **Registration/Login**: Users sign up with validation for required fields.
2. **Event Updates**: Players and members view match schedules and results.
3. **Blogging**: Users write, edit, and publish articles about football.

Admin Workflow

1. **Content Moderation**: Approve or remove user-generated blogs.
2. **Event Scheduling**: Add or update events and send notifications to users.

3. **User Management**: Manage registrations and roles.

Module Descriptions

Player Modules

1. **Profile Management**: Update personal information and skills.
2. **Event Participation**: Register for matches and training sessions.

Member Modules

1. **Content Browsing**: Access blogs and event updates.
2. **Commenting**: Engage with posts and events.

Admin Modules

1. **Content Management**: Post updates, blogs, and photos.
2. **Event Management**: Organize schedules and announcements.
3. **User Management**: Manage player and member roles.

Technology Stack

Frontend

- **Framework**: React.js
- **Styling**: Tailwind CSS or Bootstrap

Backend

- **Framework**: php
- **Database**: mysql

Other Tools

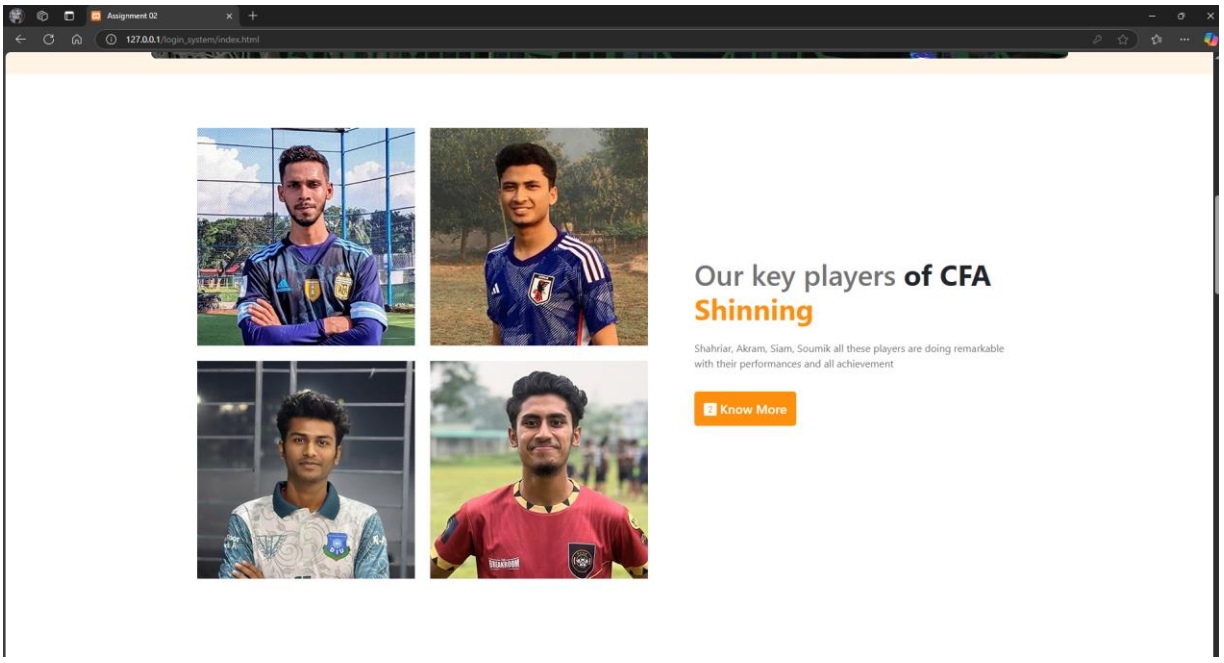
- JWT for secure authentication

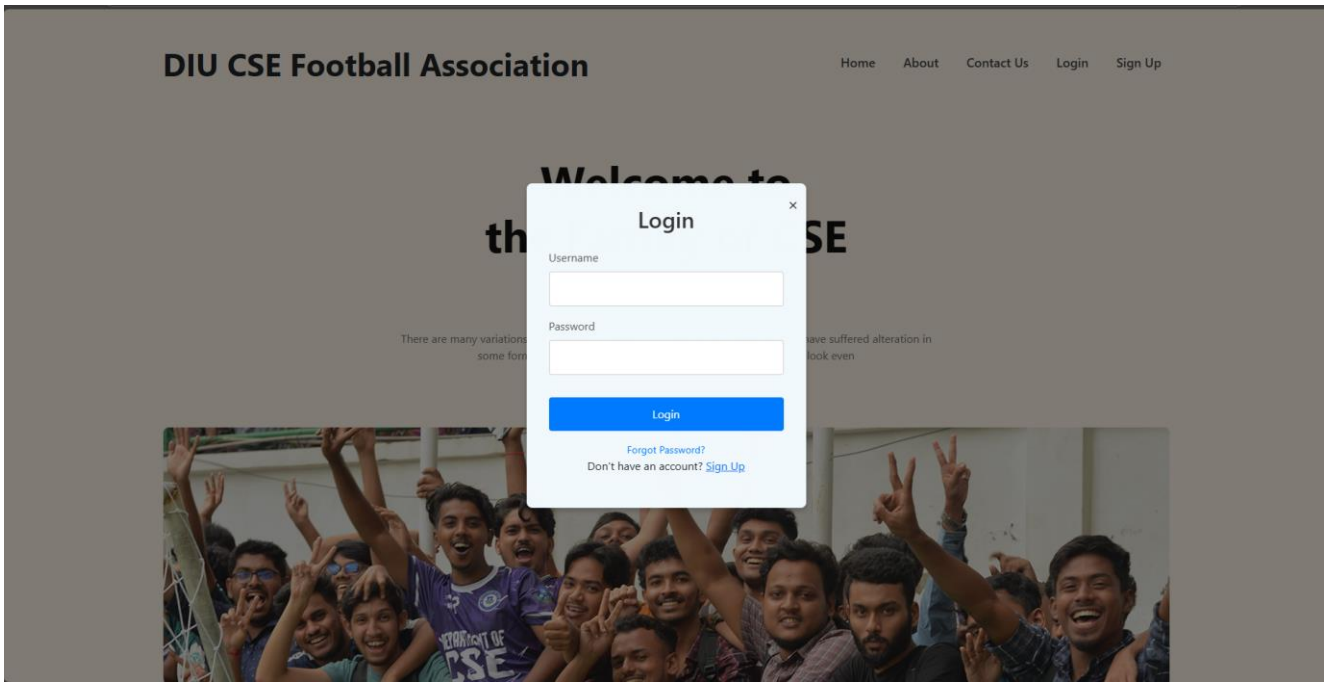
- Multer for file uploads (profile pictures, blog images)
- Nodemailer for notifications

Milestones and Timeline

Month	Activity
Week 1-2	Initial planning and design
Week 3-5	Frontend and backend development
Week 6	Integration and testing
Week 7	Deployment and feedback

127.0.0.1/login_system/index.html
DIU CSE Football Association
Home
About
Contact Us
Login
Sign Up
Welcome to the Family of CSE Footballers
There are many variations of passages of Lorem Ipsum available, but the majority have suffered alteration in some form, by injected humour, or randomised words which don't look even
1 Explore More


Assignment 02
127.0.0.1/login_system/index.html
Our key players of CFA Shinning
Shahriar, Akram, Siam, Soumik all these players are doing remarkable with their performances and all achievement
2 Know More



Database:

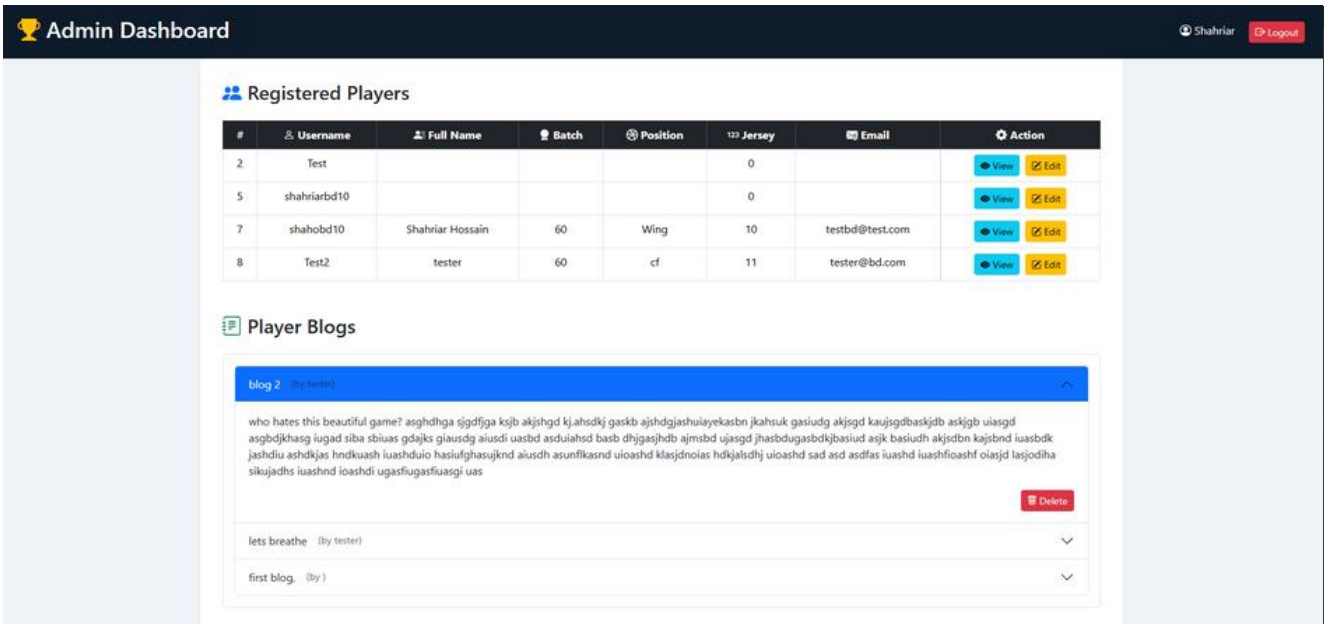


Fig: Admin Dashboard Containing the Registered Users

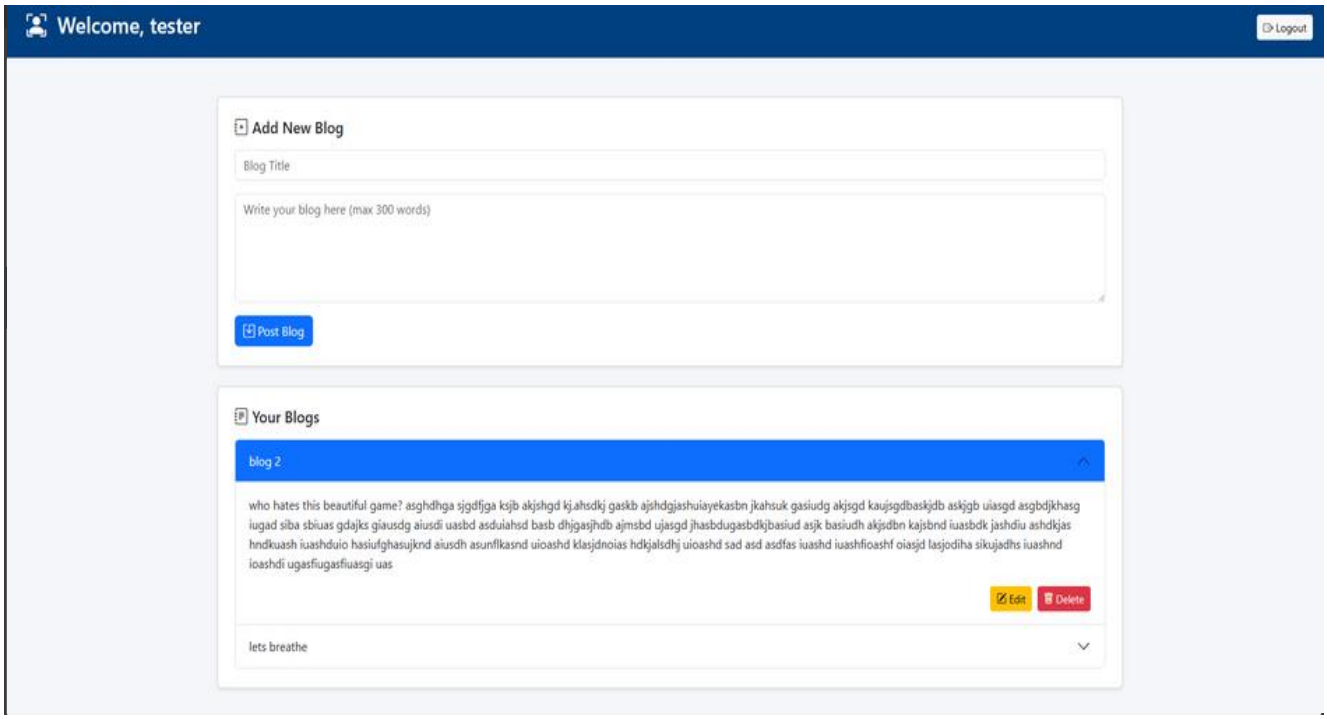


Fig: User Dashboard

Testing Process

1. **Unit Testing**: Component-level testing for React components.
2. **Integration Testing**: Backend API and frontend interaction testing.
3. **End-to-End Testing**: User workflow testing from registration to event updates.

Support and Maintenance

Support Services

- Provide technical support and bug fixes post-launch.

Maintenance Plan

- Regular updates for features and security patches.

Pricing and Payment Terms

Total Project Fee

$8,000 USD

Payment Schedule

- 20% upon project approval
- 50% upon development completion
- 30% after deployment

Roles and Responsibilities

- **Frontend Developer**: Develop UI and handle state management.
- **Backend Developer**: API development and database integration.
- **Admin**: Manage user roles, blogs, and event content.

Contact Us

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