

Software Requirement Analysis

University Event & Club Management System

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1 Introduction

This project aims to develop a system to manage university events and club activities efficiently. Students can register for events, view upcoming programs, and admins can create, manage, and approve events.

2 Purpose

The purpose of this system is to:

- Provide a single platform for students and admins to manage university events and club programs.
- Reduce manual paperwork and improve event registration efficiency.
- Allow students to view, register, and track their participation.
- Allow admins to create, approve, and monitor events and participants.

3 Scope

3.1 Student Panel

- Registration and login
- View upcoming events
- Register for events
- View registered events

3.2 Admin Panel

- Admin login
- Create events (title, date, venue, capacity)
- Approve or reject student registrations
- View participant lists

3.3 System Constraints / Assumptions

- Accessible via modern web browsers (Chrome, Edge, Firefox)
- Internet connection required for online access
- Maximum 200 participants per event
- System hosted on university server / cloud

4 Actors and Stakeholders

- **Students:** Register/login, browse events, register for events, view participation
- **Admins:** Create events, approve/reject participants, manage event info
- **University Staff:** Monitor system performance, view reports

5 Functional Requirements

5.1 Student Module

1. Register and login
2. Browse upcoming events
3. Register for events
4. View registered events and details

5.2 Admin Module

1. Login
2. Create, edit, and delete events
3. Approve or reject student registrations
4. View participant list per event

6 Non-Functional Requirements

- Secure login with password protection
- Handle multiple simultaneous users
- Data backed up on GitHub (version control)
- Simple and user-friendly interface
- Fast response time

7 Project Folder Structure

```
EventProject/
++- src/
|   +- student/
|   |   +- login.html
|   |   +- register.html
|   |   +- dashboard.html
|   +- admin/
```

```
|     +-- admin-login.html  
|     +-- create-event.html  
|     +-- manage-participants.html  
+-- docs/  
|     +-- SRS.tex  
|     +-- UML-diagrams.tex  
+-- README.md
```

8 Use Case Diagrams (Placeholders)

- Student Login & Registration Use Case
- Student Event Registration Use Case
- Admin Create Event & Approve Participants Use Case

9 Data Requirements

9.1 Student Table

- Student ID, Name, Email, Password, Registered Events

9.2 Event Table

- Event ID, Title, Date, Venue, Capacity, Registered Students

9.3 Registration Table

- Registration ID, Student ID, Event ID, Status

10 Future Enhancements (Optional)

- Email notifications for event reminders
- Analytics and reporting dashboard for admins
- Mobile app integration

11 References

- University Guidelines for Academic Projects
- Git & GitHub Documentation
- Overleaf LaTeX Templates