

# Software Requirement Analysis

## University Event & Club Management System

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February 6, 2026

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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