

SOFTWARE ENGINEERING

SOFTWARE REQUIREMENT SPECIFICATION

GROUP MEMBERS-

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1. Introduction

Event management in educational institutions can be chaotic. Our "IIITA Building Reservation and Event Management System" tackles this challenge head-on, bringing organization and efficiency to the process.

The "IIITA Building Reservation and Event Management System" is not merely a technological solution; it embodies a commitment to fostering a more efficient, organized, and collaborative academic environment. By empowering our community with the tools they need to plan and execute events seamlessly, we pave the way for a more vibrant and engaged campus life, where innovation and collaboration can flourish

Purpose

From Student Point of View:

- A number of events keep going in college every moment of time, asking everyone what current is about, where it is happening and all. Scrolling mail list to check event details is always a mess and leads to lot waste of time.
- Sometimes clash of different events occur in same building at same place due misunderstanding and lack of communication between event organisers.

From Organizers Point of View:

- Organizers have to ask other's event heads whether they are organizing any event at same instance of time to avoid clash in timings and places.
- Other event's head's delay in clarifying about their schedule, this also delays events.
- Also, organizers have to take permission from various authorities of the college before the event which also delays event and a lot waste of time

From Administration Point of View:

- a) Administration faces issues when event is cancelled but administration was not informed about that, due these other events are affected

So, this project aims to overcome these drawbacks and provide efficient solution.

Scope

We describe what features are in the scope of software.

In Scope:

- a) Organizers request to Administration to book a event and required venue.
- b) Administration has power to approve or reject the event.
- c) User (all students) can retrieve information about all events (upcoming and currently going) in the college in no time
- d) Even past events can also be accessed by users.

Definitions, Acronyms and Abbreviations:

Acronyms and Abbreviations:

- a) SRS: Software Requirement Specification
- b) CC3,CC2,CC1: Computer Centre
- c) SAC: Student Activity Centre
- d) AAA: Administration Block
- e) CBREMS: College Building Reservation and Event Management System

Definitions:

- a) Student Gymkhana: Student body of IIITA
- b) AAA: Administration Section of IIITA

References:

IEEE SRS Format

2. Overall Description

Application Perspective:

Eliminate cumbersome paper-based processes and simplify event planning with the CBREMS. Designed by students, for the entire college community, CBREMS offers an intuitive interface and real-time availability, empowering users to secure the perfect space for their needs efficiently. CBREMS fosters streamlined communication and enhanced organizational effectiveness, allowing students, faculty, and staff to focus on their core pursuits.

Application Functions:

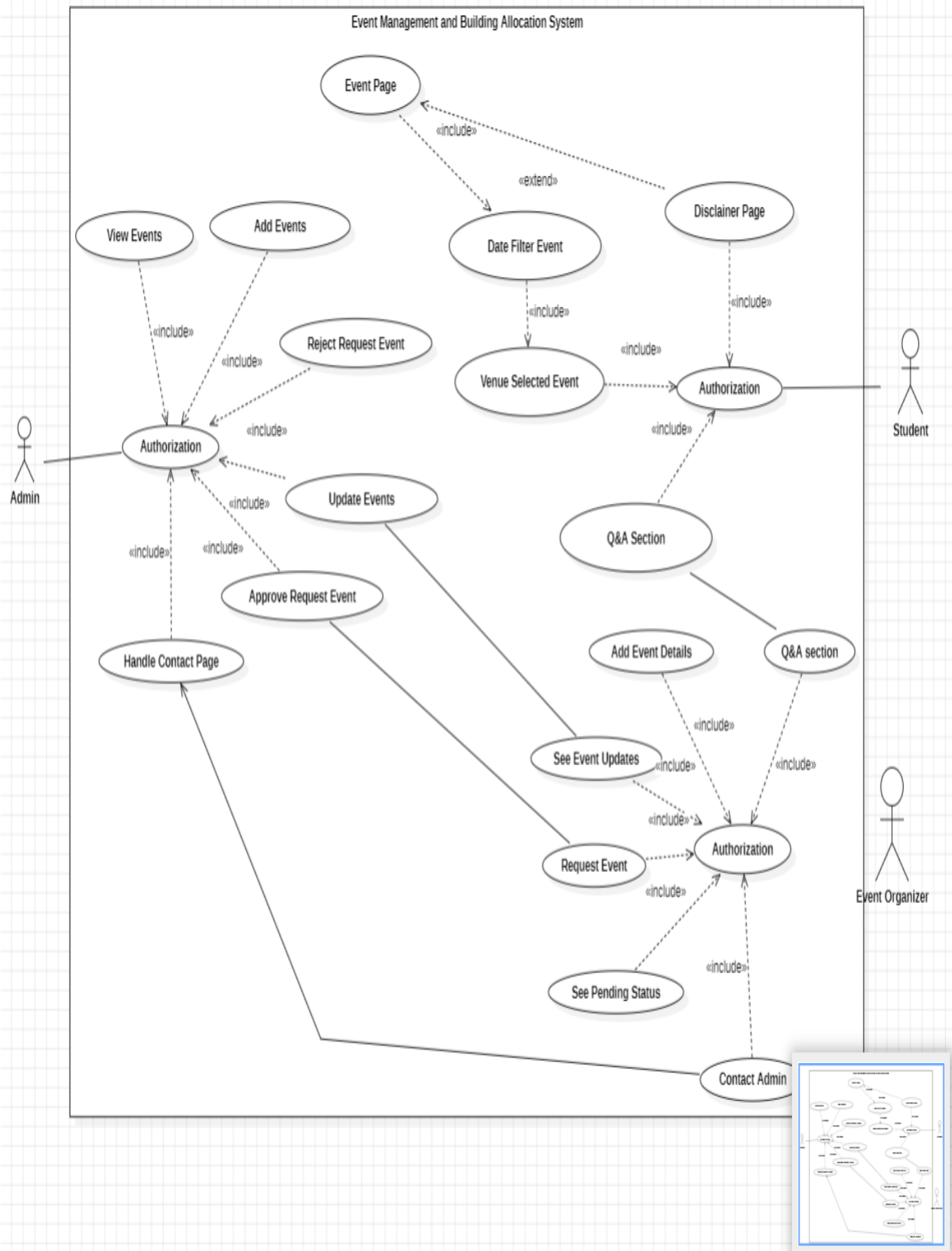
| Use cases: | Description of use cases |
|-----------------------------------|--|
| Student: | |
| Authorized Login | Allows Student to login |
| View Disclaimer Page | All student can view events going on today in the college at any place in disclaimer section. |
| Choose Buildings/Venue | Student can choose venue as a filter to look all events at particular place |
| Choose Time Slot | For particular venue student can also select the date filter to get details of all the events on that date (past/ongoing/upcoming) |
| Q&A Section | Student can query about events with event heads. |
| Event Organizer: | |
| Authorized login | Allows Organizer to login |
| Request Event | Organizer can request booking of new event |
| Request Event Updates | Organizer can request event updates |
| Add event description and details | All details regarding the events are to be inserted to request event booking. |
| See Status of Pending Request | Organizer can see whether previous request of events is approved, rejected or still pending. |

| | |
|---------------------|--|
| Q&A Section | Event organize can answer general queries of student. |
| Contact Admin | Event organizer can contact admin in contact section. |
| Admin: | |
| Authorized Login | Allows admin to login |
| Check all Request | Admin can go through all the requests by organizers. |
| Approve Events | Admin can approve requested events |
| Reject Events | Admin can also reject events |
| Handle Contact Page | Admin have to keep track of all contact request by event organizer and their requirement (if any additional) |

Principal Actors:

Three main actors are Admin, Student and Event Organizer.

USE CASE DIAGRAM:



Specific Requirements:

Function Requirements:

We describe functional requirements by giving various use cases.

Use Case 1:

Name: Authorized Login

Summary: Allows authorized person to login

Actors: Student/Admin/Event Organizer

Pre-Conditions:

1. Internet Connectivity
2. Only for allowed mail Id's.

Main Success Scenario:

1. User Clicks on Login Button.
2. OAuth is used for authorization of Student/Admin/Event Organizer.

Extension:

Id or wrong password. Show error dialog box.

Post-Condition:

Now User can access allowed parts of website:

Use Case 2:

Name: Disclaimer Page

Summary: Allows Student to view all events on current Date.

Actors: Student

Pre-Conditions:

1. Internet Connectivity
2. Only for allowed mail Id's.

Main Success Scenario:

1. Student must click on disclaimer page.
2. Student can view all data shown there.

Extension:

Can view details of particular event by clicking on it.

Post-Condition: NIL

Use Case 3:

Name: Venue Selected Event

Summary: Allows Student to view events on selected Venue.

Actors: Student

Pre-Conditions:

1. Internet Connectivity
2. Only for allowed mail Id's.

Main Success Scenario:

1. All venues are shown, student can select any of them
2. After venue selection can see events on that venue on any date.

Extension:

Student can select particular date on that venue to see those date events.

Post-Condition: NIL

Use Case 4:

Name: Question And Answer Section

Summary: Allows Student to query anything about any event and organizer to resolve query.

Actors: Student/Event Organizer

Pre-Conditions:

1. Internet Connectivity
2. Only for allowed mail Id's.

Main Success Scenario:

1. Student can raise question or any issues regarding events in Q&A section
2. All raised queries are to be resolved by organizer.

Extension: NIL

Post-Condition: NIL

Use Case 5:

Name: Request Event

Summary: Allows Organizer to request event.

Actors: Event Organizer

Pre-Conditions:

1. Internet Connectivity
2. Only for authorized organizer.

Main Success Scenario:

1. Organizer have to fill all details of events and also ensure no conflict of events by viewing schedule of other events.
2. Request is received by admin

Extension: NIL

Post-Condition: NIL

Use Case 6:

Name: See Event Status

Summary: Allows Organizer to See updates on requested events

Actors: Event Organizer

Pre-Conditions:

1. Internet Connectivity
2. Events must be requested.

Main Success Scenario:

1. Requested events are listed in these section with their current status
(APPROVED,REJECTED,PENDING..)

Extension: NIL

Post-Condition: If event is approved organizer must work accordingly to accomplish event tasks.

Use Case 7:

Name: Contact Admin

Summary: Organizer can view contact details of administration in contact section

Actors: Event Organizer/Admin

Pre-Conditions:

1. Internet Connectivity

Main Success Scenario:

1. Organizer can see Contact information of admin

Extension: NIL

Post-Condition: NIL

Use Case 8:

Name: Update event Status

Summary: Allows admin to update event status.

Actors: Admin

Pre-Conditions:

1. Internet Connectivity
2. Only for allowed mail Id's.

Main Success Scenario:

1. All requested events are shown in requested section can approve, reject accordingly
2. After approval, organizer is informed.

Extension:

Events are marked approved so that changes are reflected to organizer also.

Post-Condition: NIL

Hardware Requirements:

- Memory: Minimum of 1GB RAM; For best results: 2GB RAM
- Disk space:
 - Connection manager, manager, and service interface: Minimum of 900MB disk space.
 - Temporary disk space: 4GB for Microsoft® Windows® and 8GB for Linux® and UNIX® if you download the server installation image

Software Requirements:

All search engines are sufficient excepts some previous like internet explorer, opera and ...