

Group 5

Mobile Club Tracker



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Description

A mobile app that welcomes you to campus, introducing you to all of the exciting club events and announcements.

Stay tuned in to student organizations you follow and receive notifications of upcoming important events. All events you save will go to your personal calendar to help you stay on top of the hectic business of campus life.

This app will help connect students to student organizations, getting everyone involved!



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Use Case 1

User Authentication & Organization Registration

Description: This use case describes how a user logs into the system, requests to create a new organization, and receives approval from a Super Admin.

Primary Actors: User (Club Member/ Manager), Super Admin

Goal: Allow users to securely access the platform and request a new student organization and grant them Club Manager privileges upon administrative verification.

PreConditions

- The user has a valid email address.
- The user has the required permissions if the user wants to create a new organization (e.g., verified club manager or admin role).
- The organization does not already exist in the system.
- [If applicable] The user has the necessary documentation for club verification.

PostConditions

- The user is successfully logged into the app.
- The user's personalized data (followed clubs, events, notifications) is loaded.
- A new organization profile is successfully created (initially as pending).
- The creator is assigned Club Manager privileges.
- The organization becomes searchable and visible to students.
- The creator is assigned administrative privileges for the organization.

Main Success Scenario

- The user opens the app.
- The user enters university credentials.
- The system authenticates the user.
- The user selects "Create Organization."
- The user enters organization details (name, description, category, contact info).
- The user uploads verification info (e.g., President's name/UMass email).
- The system flags the request as "Pending" for the Super Admin.
- The Super Admin reviews the request via the Admin Dashboard and clicks "Approve".
- The system assigns the user as Club Manager.

Exception and Error Scenarios

- Invalid login credentials.
- Organization name already exists.
- Missing required fields.
- User lacks permission to create organizations.
- Authentication failure → access denied.
- Duplicate organization → user prompted to modify name.
- System/database failure → creation not completed.
- Verification Denied → Super Admin rejects the request due to invalid info.
- Duplicate Request → Organization already exists or is currently pending.

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Use Case 2

Joining a Student Organization

Description: This use case describes how a student joins or follows a student organization within the mobile club tracker app in order to receive updates, announcements, and event notifications from that organization.

Primary Actors: Student organization followers, or Club Members

Goal: Allow students to connect with student organizations they are interested in and stay informed about their activities.

PreConditions

- The user is logged into the app
- The user has a valid authenticated session
- The club database is accessible and contains searchable organizations

PostConditions

- The user is successfully added to the organization's member or follower list
- The user receives confirmation of successful enrollment
- The user begins receiving organization-related notifications (updates, announcements, and events)
- The connection between the user and organization is established in the system

Main Success Scenario

- The user browses or searches for student organizations.
- The system processes the search request and returns a structured list of matching club.
- The user selects an organization's profile.
- The user taps the **Join/Follow** button.
- The system verifies the user's eligibility to join.
- The system adds the user to the organization's follower/member list.
- The system confirms successful enrollment.
- The user starts receiving organization-related notifications.

Exception and Error Scenarios

- The organization requires approval before joining.
- The organization has reached its membership limit.
- The user is already a member.
- **Approval required:** The system notifies the user that their request is pending.
- **Membership limit reached:** The system displays an error message.
- **Network failure:** The system saves the request and prompts the user to retry.



Use Case 3

Student Organization Event Post

Description: This use case describes how an authorized Club Member creates and publishes an event within the mobile club tracker app so that students can view, save, and receive notifications about it.

Primary Actors: Club Managers, and Members

Goal: Allow student organizations to promote events and communicate important details to interested students in a timely and organized manner.

PreConditions

- The user is logged into the app.
- The user is a verified Club Manager for the organization.
- The organization profile already exists.

PostConditions

- The event is successfully created and published.
- The event becomes visible to students following the organization.
- Notifications are sent to relevant users.
- The event becomes available for users to save to their calendars.

Main Success Scenario

- The administrator opens the organization dashboard.
- The administrator selects the option to create a new event.
- The system displays an event creation form.
- The administrator enters event details (title, date, time, location, description).
- The administrator submits the event for publication.
- The system validates the event information.
- The system publishes the event.
- The system notifies followers of the organization.

Exception and Error Scenarios

- Required event information is missing.
- The user does not have permission to post events.
- The event date or time is invalid.
- **Missing or invalid fields:** The system prompts the user to correct the information.
- **Unauthorized access:** The system denies event creation and displays an error.
- **System or network failure:** The system displays an error and allows the user to retry.

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Use Case 4

Event Engagement & Personalization

Description: This use case describes how students interact with events by saving them to their personal calendars, setting reminders, and customizing notification preferences to improve organization and engagement.

Primary Actors: Club Members, and Managers

Goal: Enable students to stay informed and organized by personalizing how they track and engage with student organization events, like a calendar, reminder, or RSVP.

PreConditions

- The student is logged into the app.
- The event exists and is visible to the student.
- The student has granted permission for calendar and notifications (if applicable).

PostConditions

- The event is saved to the student's personal event list or calendar.
- Notifications and reminders are scheduled according to user preferences.
- The student's engagement preferences are stored for future events.

Main Success Scenario

- The student views an event in the app.
- The student selects an engagement option (save, RSVP, reminder).
- The system requests calendar or notification permissions if not already granted.
- The system saves the event to the student's calendar.
- The system schedules reminders based on the student's preferences.
- The system confirms successful personalization.

Exception and Error Scenarios

- The student denies calendar or notification permissions.
- The event has been canceled or modified.
- The event conflicts with an existing calendar entry.
- **Permission denied:** The system saves the event in-app but does not sync externally.
- **Calendar sync failure:** The system notifies the user and allows retry.
- **Notification service unavailable:** The system schedules reminders once service is restored.



Thanks!

