

CSIS 3175
Introduction to Mobile App Dev

Project Proposal
Event Management App

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Team 5:

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Project description and features

Summary

App Name: Dory

Description: The Dory mobile app is designed to facilitate event management within internal organizations. The app serves two primary user groups: organizers, who are typically members of HR, L&D, and other event-related teams, and attendees, who are employees of the organization.

Each user is assigned a unique role—either as an organizer or as an attendee—ensuring a streamlined experience for event planning and participation. This structure optimizes event coordination and enhances user engagement within the corporate environment.

Features

User Registration and Authentication: (For both organizer and attendee):

- A new user can register by providing their name, email, password, and optional profile photo.
- Existing users can log in using their email and password.
- The app should start with a welcome screen with two options: Login and Register

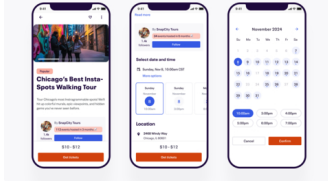
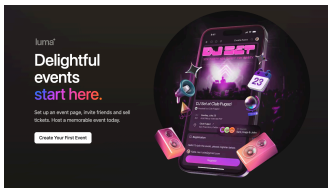
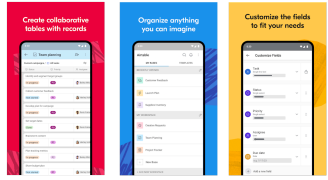

Event Organizer:

- Create an event by providing details such as an event name, date, time, location, description, and invitees.
- Send invitations to attendees.
- View, edit, or delete created events – should display a list of events, click one particular event to view, edit or delete.
- Send reminders for events.
- Track RSVPs and view attendee lists.
- Search and filter: Find events by name and date.
- Profile management: View and update profile details.

Event Attendee:

- Receive event invitations and response (Accept/Decline).
- View event details for accepted invitations.
- Receive reminders for upcoming events.
- View past events.
- Search and filter: Find events by name, date, or organizer.
- Profile management: View and update profile details.

Market Research

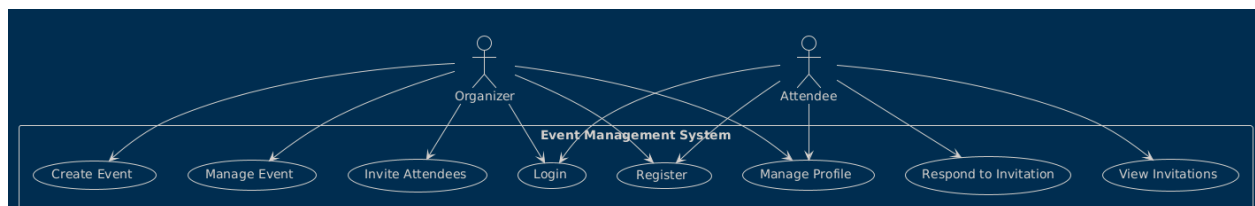
Existing apps comparison				
No	Existing Apps	Key functions	Note	
1	EventBrite	Event ticketing platform. Event creation and ticketing tools., customizable event pages, flexible event payouts, email marketing tools, automated event notifications, reports, and insights.	Charges a fee cost for the event when purchasing tickets.	
2	Luma	Available events for the selected location, variety of languages, variety of payment options accepted. Collection of mobile numbers, contact syncing, host and guest profiles. Calendar integration.		
3	Airtable	Customizable tables Built-in automation Multiple views (grid, calendar, timeline, gallery)		
4	Apple Invites	Creation of events, invites through Apple ecosystem, managing apple playlists for the event, access through icloud.com or app. Management of date and time, location, name of organiser, description, answer to the invitation. Easy access to weather, directions, guests list, and shared photos' album.	Proper to apple devices. iCloud+ required to create events. Anyone can join.	

Role Assignment

No	Team roles	Modules	Responsibilities	Person in charge
1	Front-end Developer	Authentication & Profile UI	Welcome Screen: <ul style="list-style-type: none"> • Display options for “Login” and “Register”. RegistrationActivity: <ul style="list-style-type: none"> • Form for new users to input: name, email, password, and optional profile photo. • Validate input and call the local database to create a new user. LoginActivity: <ul style="list-style-type: none"> • Form for users to log in using email and password. • Validate credentials against the SQLite database. • On success, store user session details in SharedPreferences. ProfileActivity: <ul style="list-style-type: none"> • Allow users to view and update their profile details. • Save profile changes back to the SQLite database. 	Demi Le
2	Front-end Developer	Event Management UI	For Organizers: CreateEventActivity/Fragment: <ul style="list-style-type: none"> • Form to create an event (fields: event name, date, time, location, description, invitees). • On submission, save event to SQLite. OrganizerEventListFragment: <ul style="list-style-type: none"> • Display a list of events created by the organizer (using a RecyclerView). • Include search and filter options (by event name or date). EventDetailActivity: <ul style="list-style-type: none"> • View detailed event information. • Options to edit or delete the event. • Option to send reminders. For Attendees: <ul style="list-style-type: none"> • InvitationsFragment: • Display pending event invitations. • Options to accept or decline an invitation. AcceptedEventsFragment & PastEventsFragment: <ul style="list-style-type: none"> • Show lists of accepted events and past events. • Enable search/filter options (by name, date, or organizer). 	Ekas Chhabra

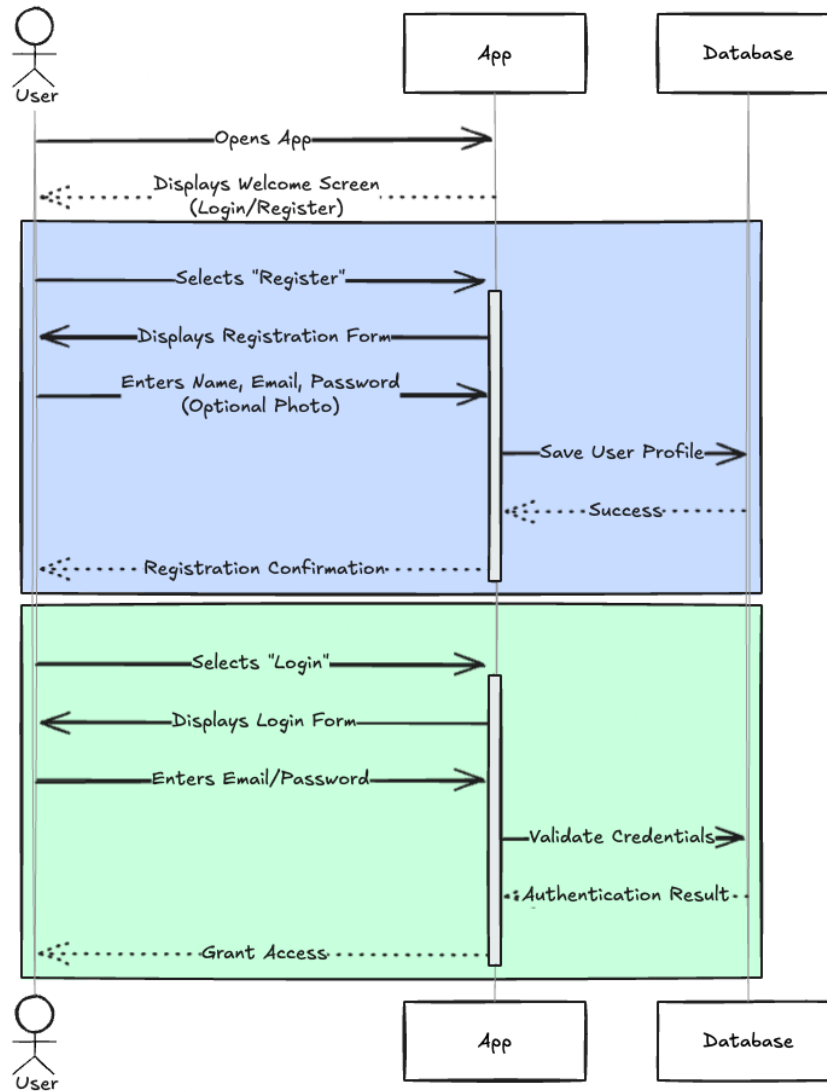
3	Back-end Developer	SQLite Data for Users & Authentication	<p>Database Schema: Users</p> <ul style="list-style-type: none"> • Create a users table with columns: • id (primary key) • name • email (unique) • password (store a hash in production) • profile_photo (optional) • role (organizer or attendee) <p>Data Access Methods:</p> <ul style="list-style-type: none"> • addUser(User user): Insert a new user. • validateUser(String email, String password): Verify credentials. • updateUser(User user): Update profile details. • SQLiteOpenHelper <p>Implementation:</p> <ul style="list-style-type: none"> • Handle database creation and upgrades. • Provide methods for all user-related CRUD operations. 	Jason Januar
4	Back-end Developer	SQLite Data for Events & Invitations	<p>Database Schema: Events & Invitations</p> <ul style="list-style-type: none"> • Events Table. • Invitations Table <p>Data Access Methods:</p> <ul style="list-style-type: none"> • addEvent(Event event): Insert a new event. • getEventsForOrganizer(String organizerEmail): Retrieve events for a specific organizer. • updateEvent(Event event): Edit an event. • deleteEvent(int eventId): Delete an event. • manageInvitations: Methods to insert invitation records and update invitation status. <p>Integration:</p> <ul style="list-style-type: none"> • These methods will be called by the UI modules (Module 2) to persist event and invitation data. 	Guillermo Tellez

Case diagram

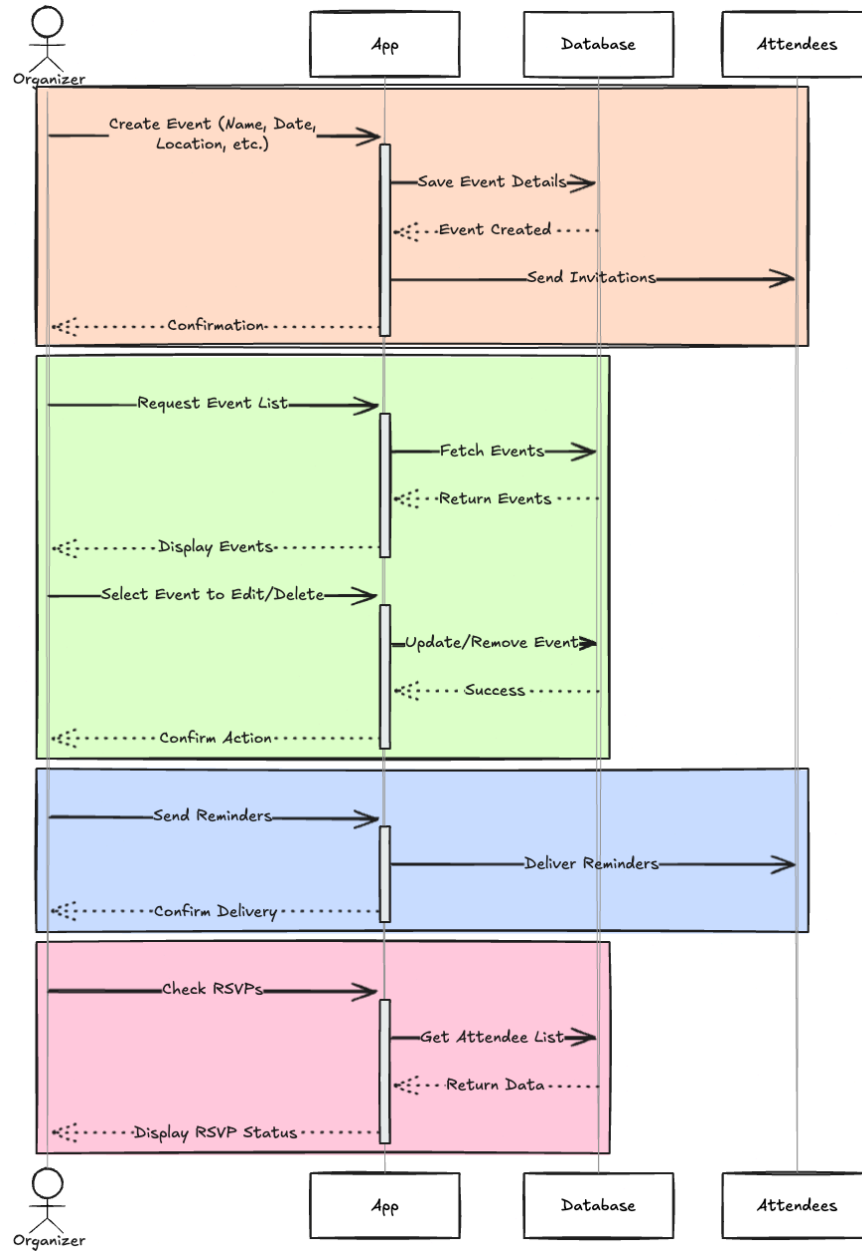


Sequence diagram

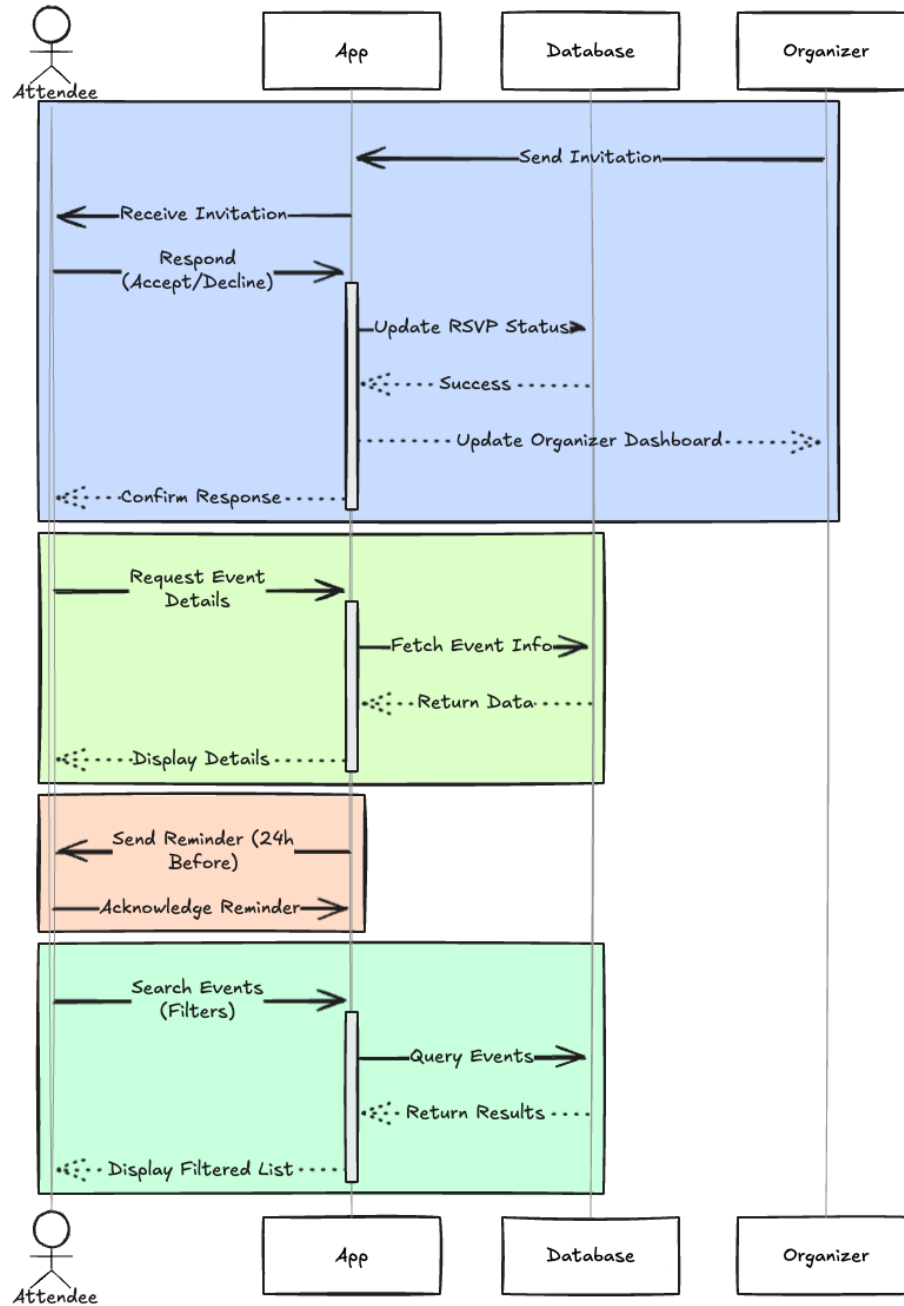
Login sequence



Organizer workflow

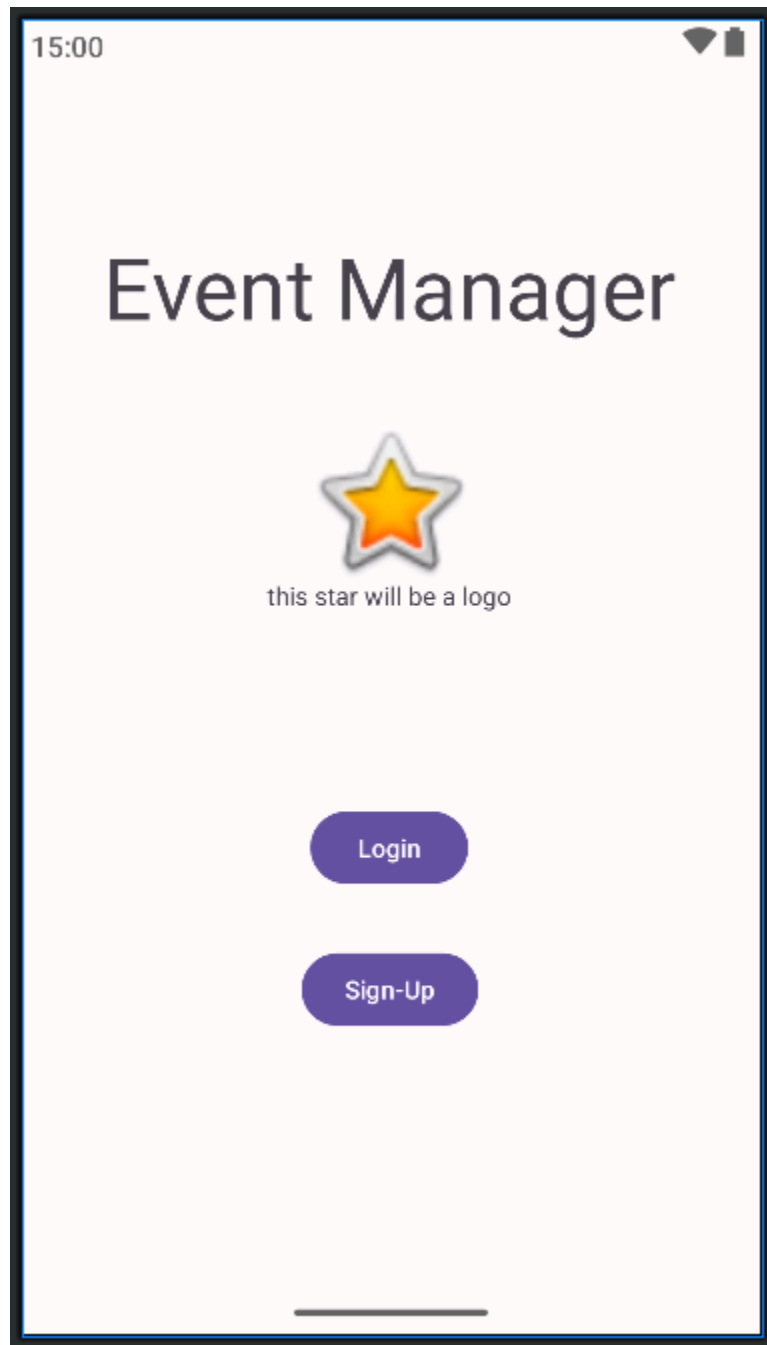


Attendee workflow



Screen Layout


Welcome Screen



Login Screen

15:00

Event Manager



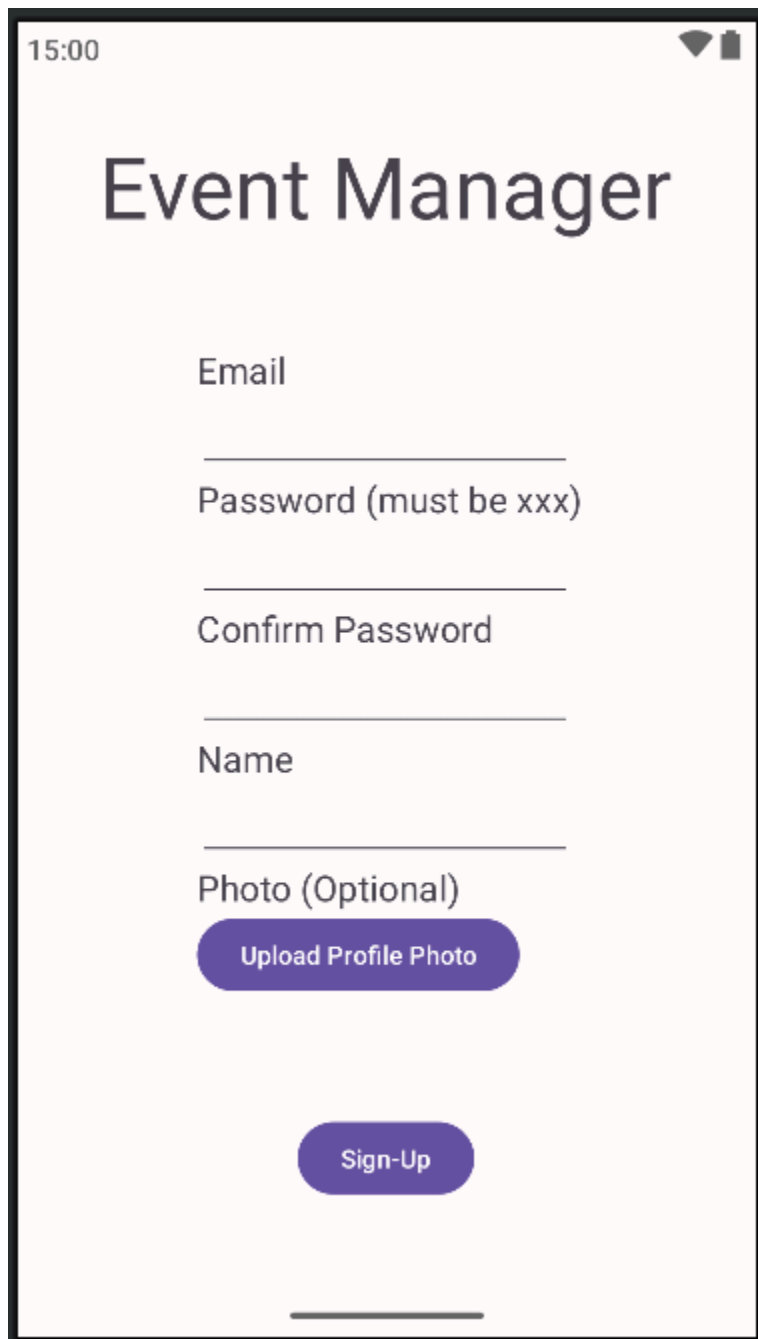
Email

Password

Login

Forgot Password

Registration Screen



A mobile app registration screen titled "Event Manager". The screen has a light pink background and a black border. At the top left, the time "15:00" is displayed. At the top right, there are icons for Wi-Fi and battery. The title "Event Manager" is centered at the top in a large, dark font. Below the title, there are five input fields, each with a label above it: "Email", "Password (must be xxx)", "Confirm Password", "Name", and "Photo (Optional)". Each input field is represented by a horizontal line. Below the "Photo (Optional)" field, there is a purple button with the text "Upload Profile Photo". At the bottom center, there is a purple button with the text "Sign-Up". A thin horizontal line is visible at the very bottom of the screen, likely representing the home indicator bar.

15:00

Event Manager

Email

Password (must be xxx)

Confirm Password

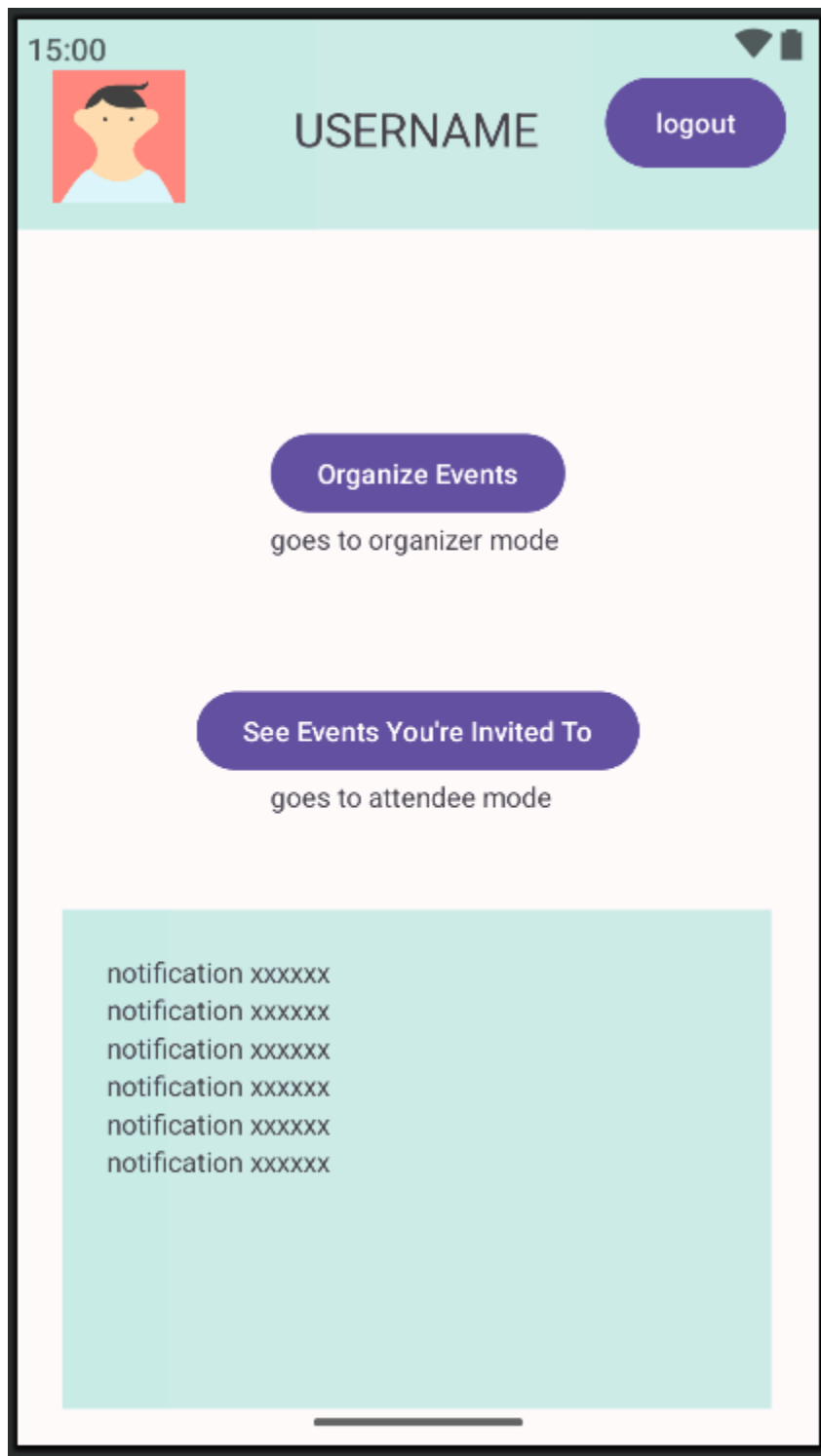
Name

Photo (Optional)

Upload Profile Photo

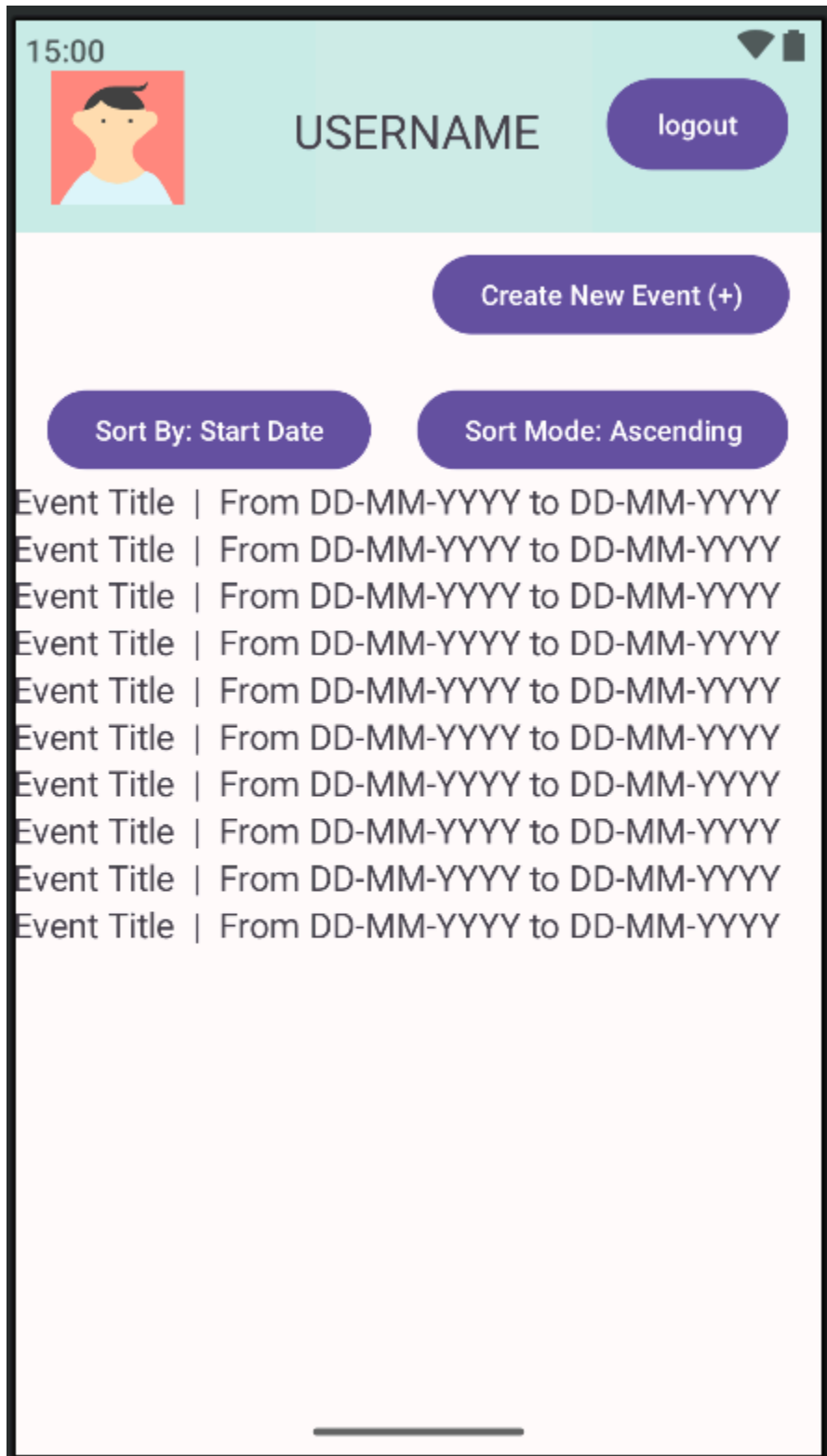
Sign-Up

User Screen



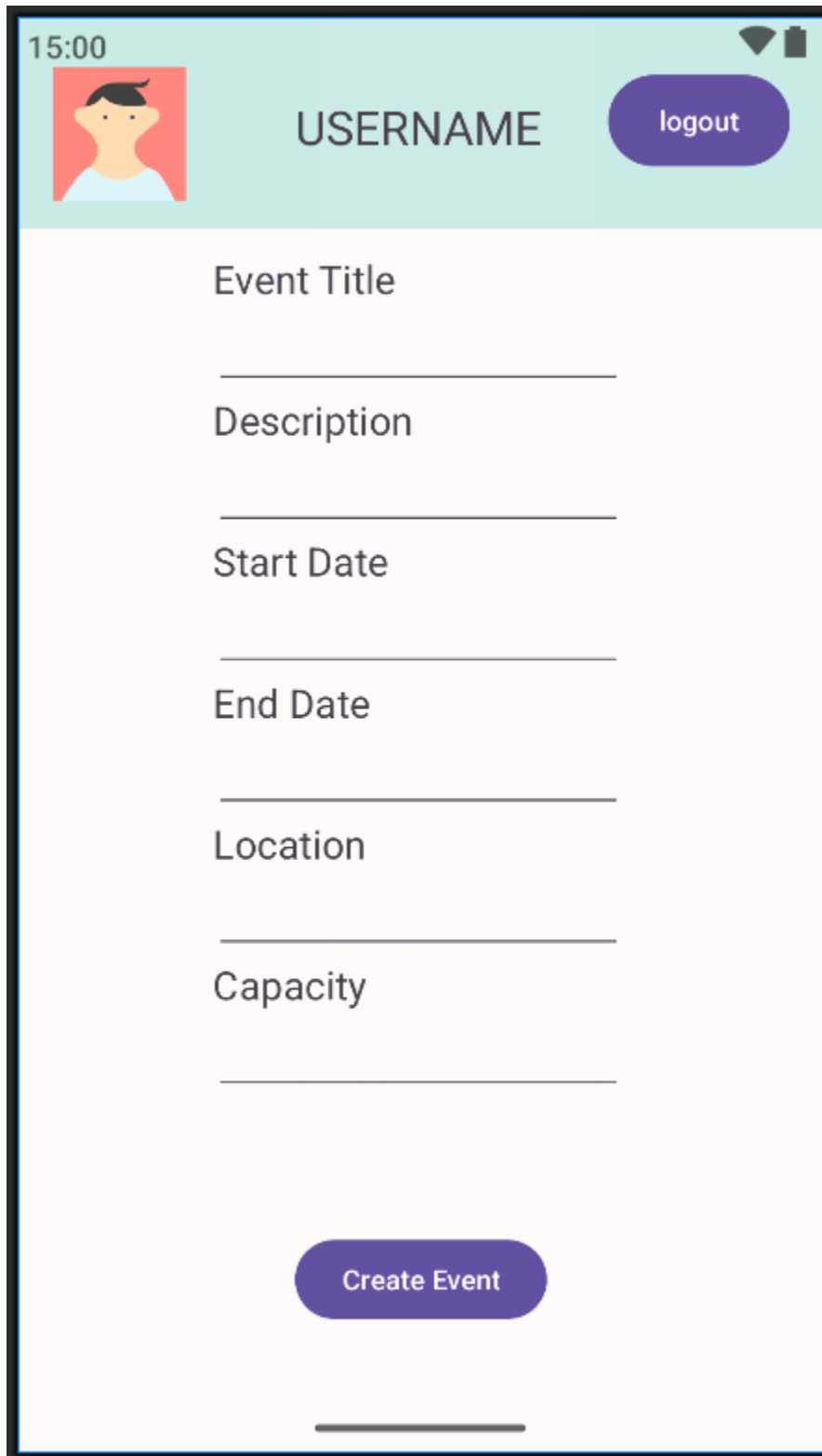
Organizer Interface

(each text on the scroll view below is clickable and will go to event interface)




Event Creator Interface

(upon clicking create event, goes to the event interface of the newly created event)



A mobile app interface for creating an event. The top header is light blue and contains a status bar with the time 15:00, a user profile icon, the text 'USERNAME', and a purple 'logout' button. The main content area is light pink and contains six input fields with labels: 'Event Title', 'Description', 'Start Date', 'End Date', 'Location', and 'Capacity'. A purple 'Create Event' button is at the bottom.

15:00

 USERNAME [logout](#)

Event Title

Description

Start Date

End Date

Location

Capacity

[Create Event](#)

15:00



USERNAME

logout

Event Title

Birthday

Description

Lorem Ipsum

Start Date

1999-01-01

End Date

2030-01-01

Location

Somewhere

Capacity

1000


Save Changes

Manage Attendees

delete event

Attendees Interface

15:00



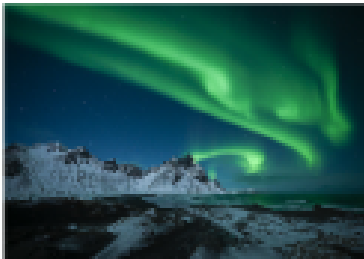
USERNAME

logout

Filter

Sort

Invited Events



Event Title

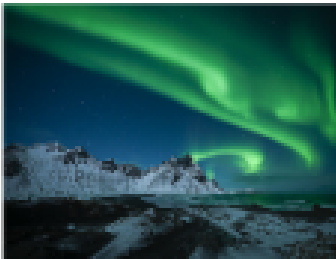
Organizer Name

Date Time

Event Description

Accept

Declin



Event Title

Organizer Name

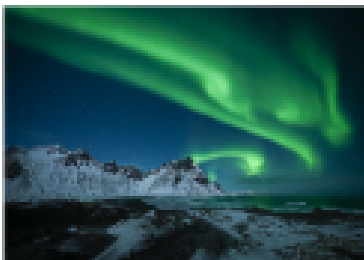
Date Time

Event Description

Accept

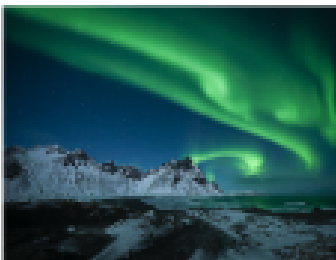
Declin

Upcoming Events



Event Title

Organizer Name




Event Title

Organizer Name

Reminder Interface

15:00



USERNAME

logout

Message

Send Message To

☐ Attending

☐ Pending

☐ Declined

☐ All Attendees

Ask for confirmation if they're attending?

☐ Yes

☐ No

Send Reminder

ER Diagram

