

# Screen Sketches

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# Actors

## 1. Regular User:

- View events and browse by categories.
- add to calendar
- RSVP to events
- Create, edit, update, and delete their events (admin approval needed).
- Set reminders for events they are interested in.
- Add friends for private chatting.

## 2. Admin:

- Create new events with detailed descriptions (date, time, location, etc.).
- Edit events
- Delete events
- Update events
- Manage user accounts (ban users violating terms or community guidelines).
- Track event attendance
- Approve or reject events created by regular users.

## 3. Business Account/ Event Organizer:

- Create and manage business-specific events(promotions, sales, community involvement).
- Edit, update, and delete their events (admin approval needed).

## 4. Non-Registered Users:

- Can view public events without logging in.
- Cannot create, edit, or RSVP to events.
- Cannot participate in chats or access other interactive features until they register.

## **Non-Functional Requirements**

- The app must efficiently handle many events, user interactions, and chat messages without performance issue.
- The app should load event listings in less than 3 seconds.
- The app must handle errors and provide users with clear feedback when something goes wrong.
- User data, including personal details and passwords, must be stored securely.
- The user interface (UI) must be intuitive and simple for all user types.
- The system must support an efficient event approval workflow where admins can review, approve, or reject events within 24 hours of submission by regular users or business accounts.
- The application must log user activities (event creation, chat interactions) for monitoring purposes to ensure compliance with community standards.

## **Tables and Fields**

### **1. Users Table:**

- UserID (Primary Key)
- Username
- Email
- Password
- UserType (Regular, Business, Admin) – Defines the type of user.
- ProfilePicture (Optional)
- Interests
- LastLoginTime
- AccountStatus(Active, Not Active)
- CreatedAt –Timestamp when the user registered

### **2. Events Table:**

- EventID(Primary Key)
- CreatorID
- EventName
- Description
- DateTime-When the event take place
- Location
- Category – The category of the event
- IsApproved – if the event has been approved by an admin.
- MaxAttendees – limit the number of participants
- RSVPcount –counter

### **3. Bussiness Table (Event Organizer)-**

- BusinessID(Primary Key)
- UserID
- BusinessName
- Description – description of the business
- ContactInfo – contact information( phone, email)
- BusinessCategory – Category of the business(Restaurant, Entertainmet, etc.)
- IsVerified – if the business account is verified by an admin.

### **4. Messages Table**

- MessageID(primary key)
- ChatID
- SenderID
- MessageContent
- Timestamp – Time and date when the message was sent

### **5. Friends Table**

- FriendshipID(primary Key)

- UserID1
- UserID2
- Status- status of the friendship(Pending /Accepted)

#### **6. EventApproval Table**

- Approval\_ID(Primary Key)
- EventID
- AdminID
- ApprovalStatus – Status of the event(pending,approved,rejected)
- Timestamp – records when the events was approved or rejected.

#### **7. Chat Table**

- ChatID(primary Key)
- ChatType – type of chat(private,global)
- LastMessage – content of the most recent message
- LasUpdatedTimeStamp – TimeStamp of the last message

## **Screen Flow Diagram**



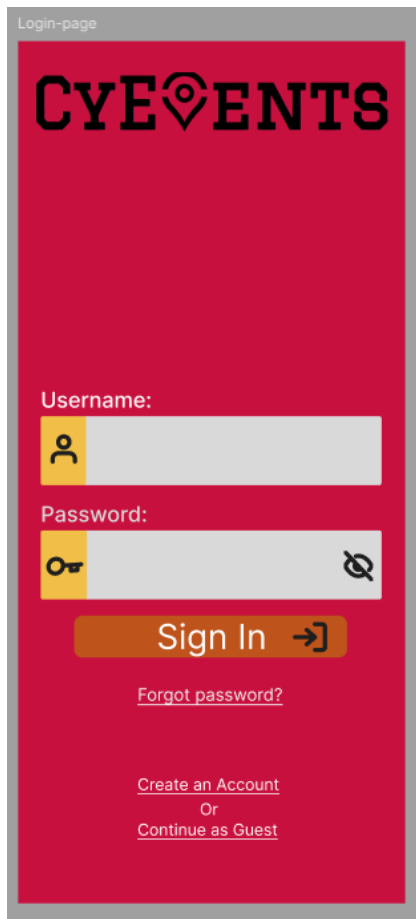
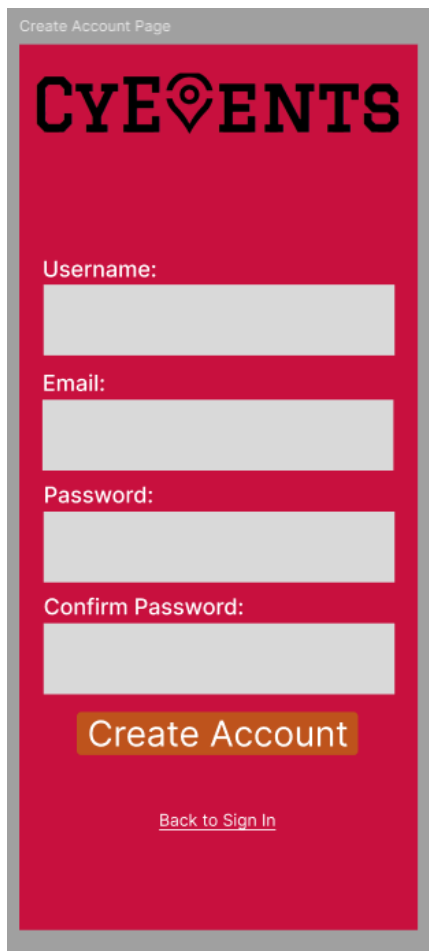


Figure 1: Login Page

This screen allows users to securely access their account by entering their credentials. The page is designed with simplicity and ease of use in mind, providing a streamlined process for logging in or retrieving forgotten passwords. The layout guides users naturally from top to bottom, starting with the email or username field, followed by the password field, and a sign in button. If you're a new user you can create an account or continue as a guest both placed at the bottom of the screen.

This screen features the following elements: input field for username or email (1), password input field (2), "Forgot Password" link for recovery options (3), and the "Sign In" button to submit the form and proceed (5). Create an account for new users (6). Continue as a Guest if the users aren't interested in making an account.



The image shows a mobile app screen for creating an account. At the top, there is a header 'Create Account Page' in small grey text. Below it is a large red rectangle containing the 'CYEVENTS' logo in black, where the 'E' is replaced by a heart icon. The form consists of four stacked input fields, each with a label to its left: 'Username:', 'Email:', 'Password:', and 'Confirm Password:'. The input fields are light grey. Below the fields is a yellow button with the text 'Create Account' in black. At the bottom of the red area is a link that says 'Back to Sign In' in small, underlined, grey text.

Figure 2: Create Account Page

This screen allows new users to register an account by providing the necessary information. The page is designed to make the account creation process clear and straightforward, guiding users through each step efficiently. The layout encourages users to complete the form from top to bottom, ensuring no required fields are missed.

This screen includes the following elements: input field for username (1), email input field (2), password creation field (3), password confirmation field (4), (5), the "Create Account" button to finalize the registration (6) and back to Sign In button if users want to back track to the Sign page (7).





Figure 3: Select Interests Page

After the user selects Create Account they are brought to the Select Interests Page above in Figure 3. Here the User can select one or more interests they have.

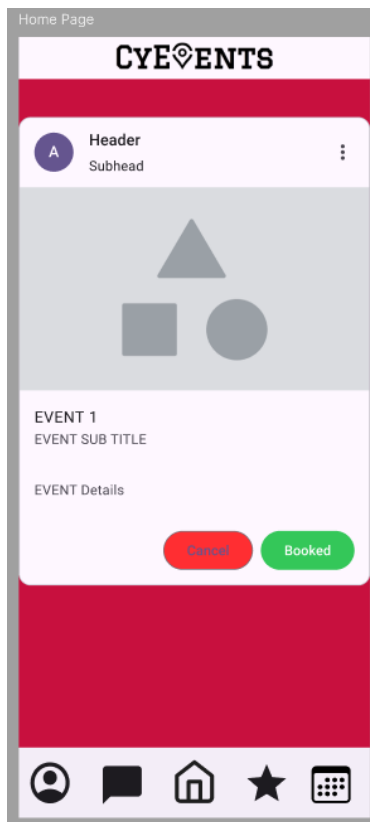


Figure 4: Home Page

This screen is the main page for navigation through the app. It will allow the user to access their profile, their chats, the event categories menu, and the calendar page. From the home screen the user will also see the events they have saved and the details of those events. The layout allows users to see events that are important to them upon signing in for quick access to information.

This screen features the following elements: (1) a scrollable section that shows the details for the events they have saved, (2) a profile icon that will take the user to their account page, (3) chat icon that will take you to the chat section of the app, (4) home icon that will refresh the home page, (5) star icon that will open the categories menu. (6) calendar icon that will take the user to the main calendar page



Figure 5: Profile Page

This screen allows users to view and manage their account details and preferences. The layout presents key information at the top and provides options for customization and account management. Users are guided from their personal information to account settings, and finally, to account actions.

The screen includes the following elements: input fields for username (1), email (2), and password (3) for updating account details. Below, there is a section displaying the user's interests (4), with an option to edit these preferences (5). At the bottom, the page features a "Log Out" button (6) and a "Delete Account" button (7) for account management actions.

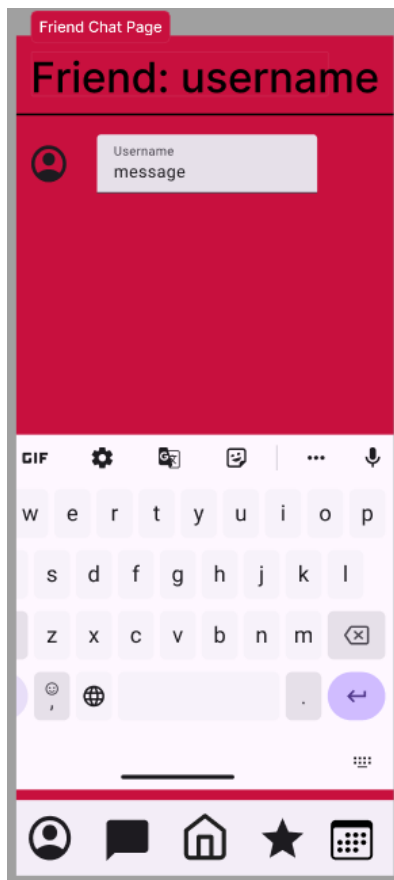


Figure 6: Friend chat page

This screen allows users to chat directly with people they have added as friends through the global chat. The screen will feature chat messages that appear as they would in a standard text application, with the user's chats appearing on the right, and the other person's chats appearing on the left.

This screen features: (1) The username of the person the user is chatting with, (2) the chat messages sent by users, (3) on screen keyboard will be integrated for use, (4) profile icon that will take them to their profile page, (5) chat icon that will take the user back to all of their chats, (6) home icon that will return the user to the home page, (7) star icon that will open the categories menu, (8) calendar icon that will take the user to the main calendar page.

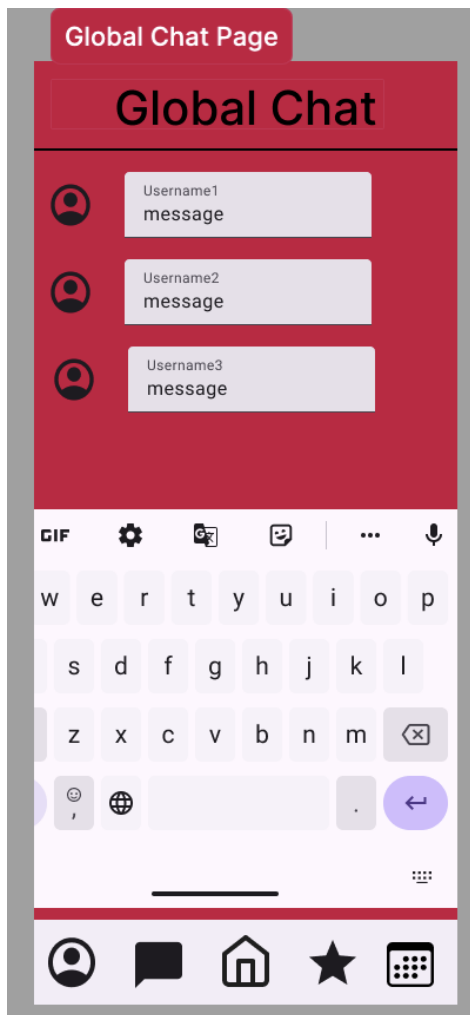


Figure 7: Global chat page

This chat page allows users to participate in a global chat where everyone can send and receive messages. The screen is designed with a simple layout, messages appear in bubbles along with the sender's username and profile icon. Users can type messages at the bottom using the keyboard.

The page is structured so that users start by viewing the latest messages (1), type their input in the message box (2), and press the send button (3). The bottom navigation bar (4) provides quick access to other main sections like the profile, chat, home, categories, and calendar.

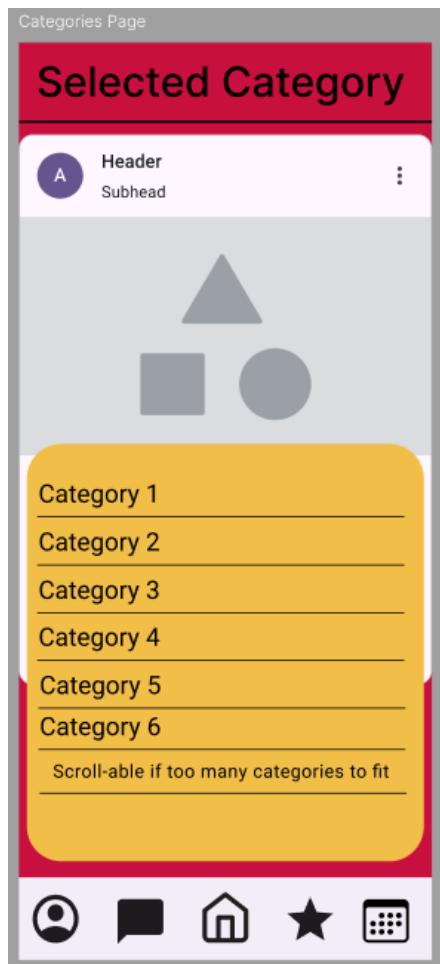


Figure 8: Category Page

This page can be accessed from anywhere with access to the app taskbar. It will open a pop-up menu that will show the users every category of events. Once selected it will take them to a feed of events of that type.

This page features: (1) The selected category in the header of the page, (2) a scroll-able feed of events from the selected category, (3) a pop-up menu to switch between categories, (4) profile icon that will take them to their profile page, (5) chat icon that will take the user back to all of their chats, (6) home icon that will return the user to the home page, (7) star icon that will open the categories menu, (8) calendar icon that will take the user to the main calendar page.



Figure 9: Calendar Page

In figure 9 you can see Calendar Page where a user can slide the numbers on the top to select different days of the month. When a date is selected the events that are occurring that day will show up below going in chronological order from top to bottom of the screen. When the user scrolls through the events happening on that day, the boxes they are in will get smaller until they disappear off the screen.

At the bottom is the navigation bar where (1) profile icon that will take them to their profile page, (2) chat icon that will take the user back to all of their chats, (3) home icon that will return the user to the home page, (4) star icon that will open the categories menu, (5) calendar icon that will take the user to the main calendar page.