Screen Sketches 4_Kabir_4:

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By Matthew Etnyre

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Actors

1. **Students:**

   a. You can interact with hills by adding coins to them

   b. Earn points by walking around

   c. Communicate with other users

   d. Report Users

   e. Level up

2. **Staff**

   a. Can interact with hills by adding coins to them

   b. Earn points by walking around

   c. Have a coin bonus

   d. Communicate with other users

   e. Report Users

   f. Level up

3. **Admin**

   a. Can ban users

   b. Give users coins

   c. You can view the whole map at once

   d. Every privilege that a normal user has

   e. Can remove coins from the hill

   f. Can Create hills

By Ryan Meyer

Non-Functional Requirements

- Users must be able to accurately see where they are and where hills are in real-time.

- The application has to be able to handle multiple handlers contributing to a "Hill" at the same time.

- Coins must be able to be accurately recorded at all times

- UI should be snappy to not ruin the game experience

- The application must be able to run smoothly on modern Android phones

By Matthew Etnyre

Tables and Fields

1) **User information table**
   a) User Name
   b) User Birthday
   c) User Iowa State Email
   d) Hashed Password
   e) ID
   f) Date Created
   g) Admin - Boolean flag
2) **User Stats**
   a) ID - Used to relate this table and the user info table
   b) Level
   c) Coins
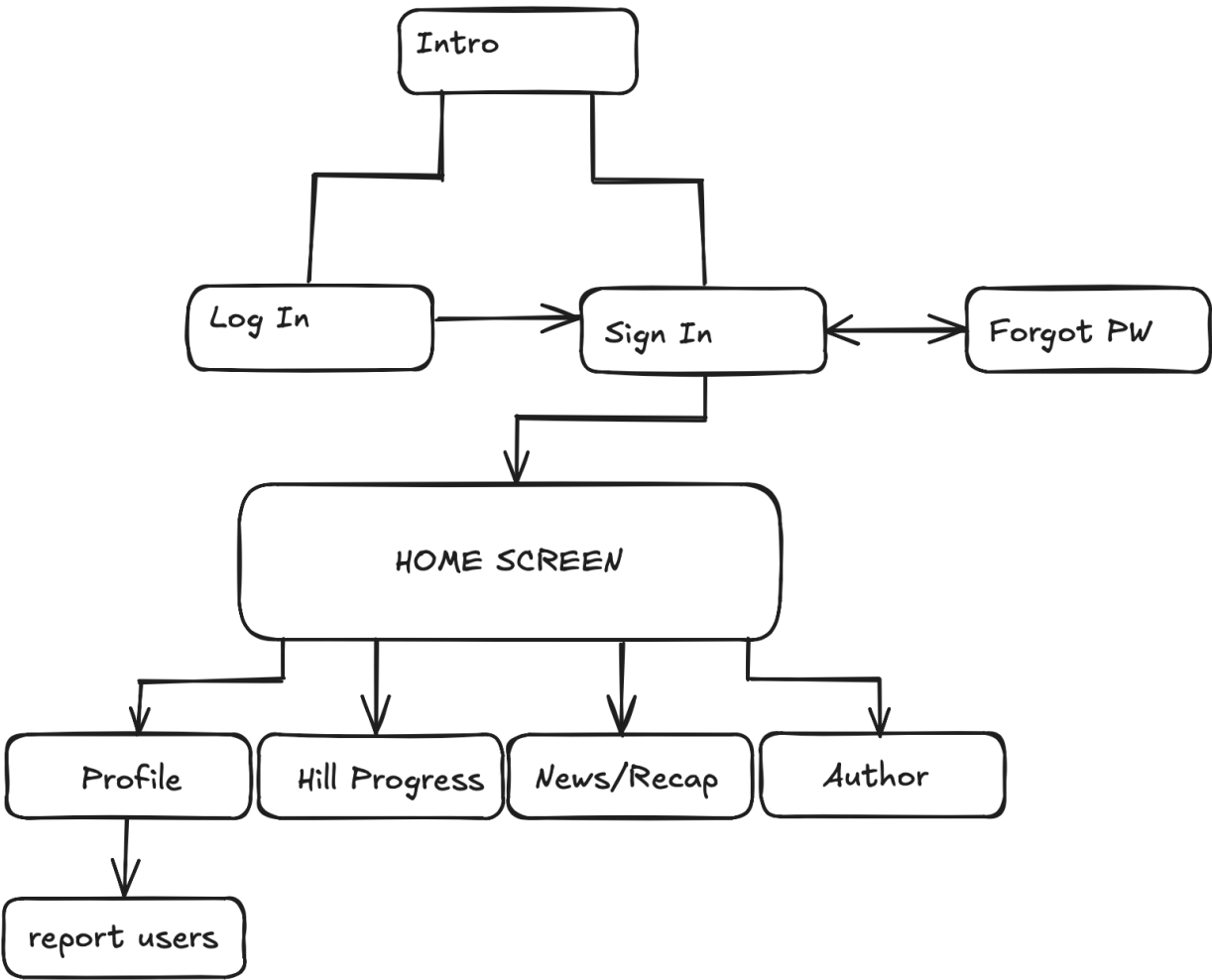   d) Team
3) **Hill Table**
   a) Name
   b) Location
       i) Longitude
       ii) Latitude
   c) Hill Owner (Team)
   d) Each Teams Contributors
       i) Team A
           (1) user(s) - This will be filled with all the users and their contributions to the hill
           (2) Coins contributed
       ii) Team B
           (1) user(s)
           (2) Coins contributed
       iii) Team C
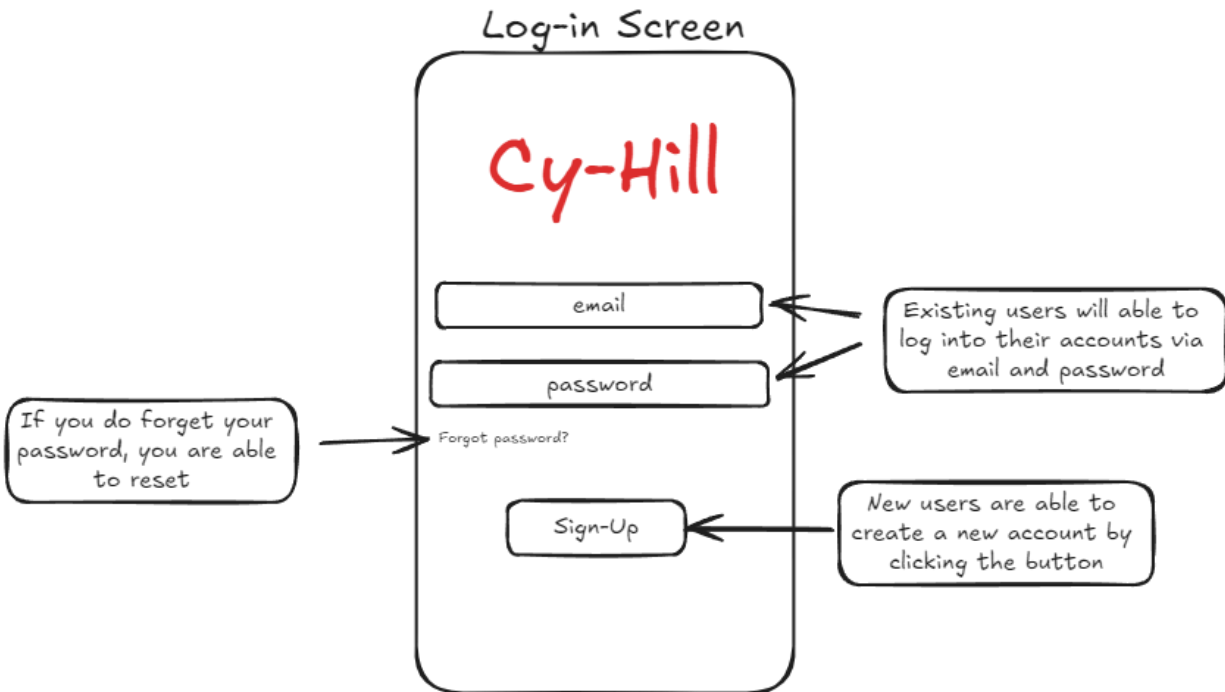   (1) user(s)
           (2) Coins contributed
4) **User Report - If one user reports another user for bad behavior**
   a) Reported User ID
   b) Reporting User ID
   c) Date
   d) Description of the report sent by the reporting user.

Screen Flow Diagram By Ryan Meyer

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                          ┌──────────────┐
                          │    Intro     │
                          └──────────────┘
                           │            │
                ┌──────────┘            └──────────┐
                │                                  │
        ┌──────────────┐                   ┌──────────────┐        ┌──────────────┐
        │    Log In    │──────────────────▶│   Sign In    │◀──────▶│  Forgot PW   │
        └──────────────┘                   └──────────────┘        └──────────────┘
                                                  │
                                                  ▼
                          ┌────────────────────────────────────┐
                          │            HOME SCREEN             │
                          └────────────────────────────────────┘
                        │            │            │            │
                        ▼            ▼            ▼            ▼
                ┌──────────┐ ┌─────────────┐ ┌────────────┐ ┌──────────┐
                │ Profile  │ │Hill Progress│ │ News/Recap │ │  Author  │
                └──────────┘ └─────────────┘ └────────────┘ └──────────┘
                     │
                     ▼
              ┌──────────────┐
              │ report users │
              └──────────────┘
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Log-in Screen - Gabriel Kiveu

Log-in Screen

Cy-Hill

email

password

Forgot password?

Sign-Up

Existing users will able to log into their accounts via email and password

If you do forget your password, you are able to reset

New users are able to create a new account by clicking the button

This will be the login screen; it will allow existing players to log into their accounts and new users to create an account. If you do not remember your password, you can able to reset your password.

Sign-Up Screen - Gabriel Kiveu

Sign-Up Screen

New Users will put their information in order to create an account

Name

Date of Birth | DD | MM | YYYY

Email

Users will need to make an account using their Iowa State email

Password

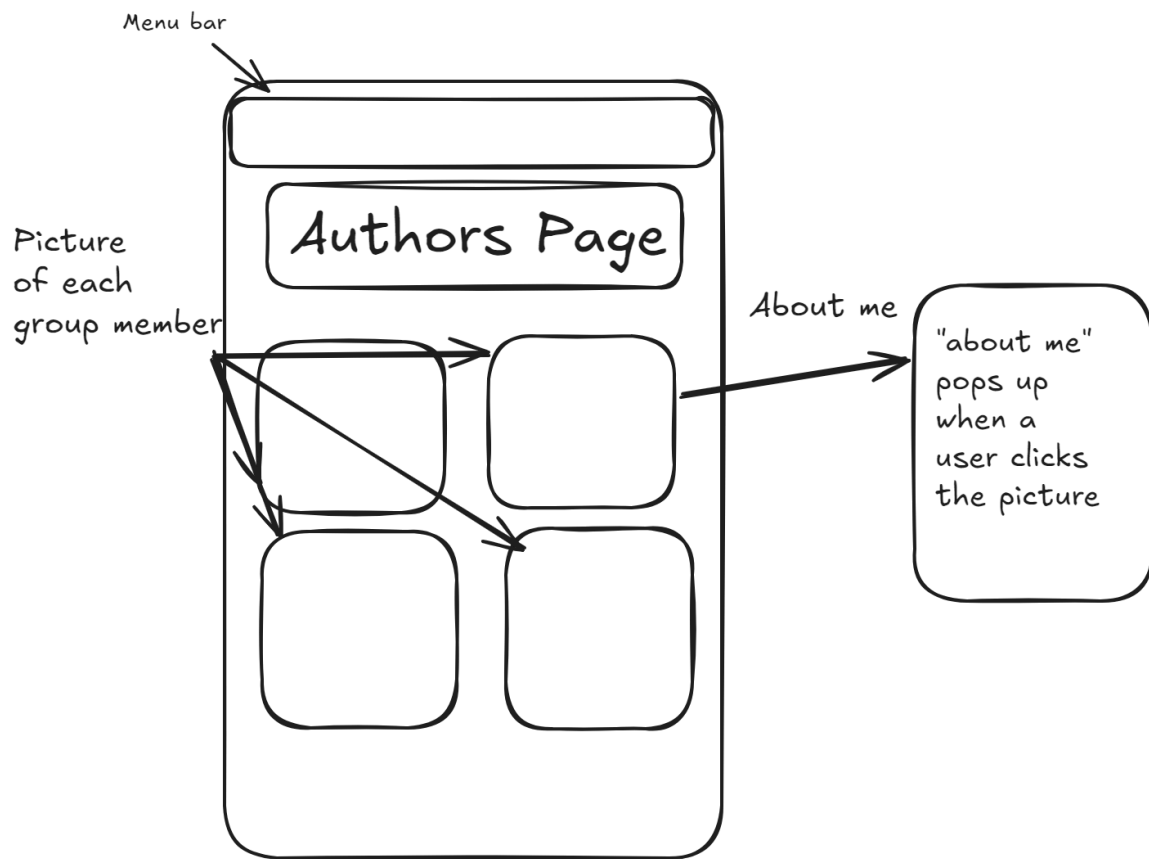Confirm Password

Back | Create

This is the Sign-Up screen; it allows you to create an account and give basic information about yourself such as your birthday. You will be able to give yourself a name and password; email will be the one used at Iowa State. When finished then you will hit the button create.

News/Events Page - Gabriel Kiveu

<- menu bar

Cy's Summit News

Newest event details will show up here to notify players the most recent news

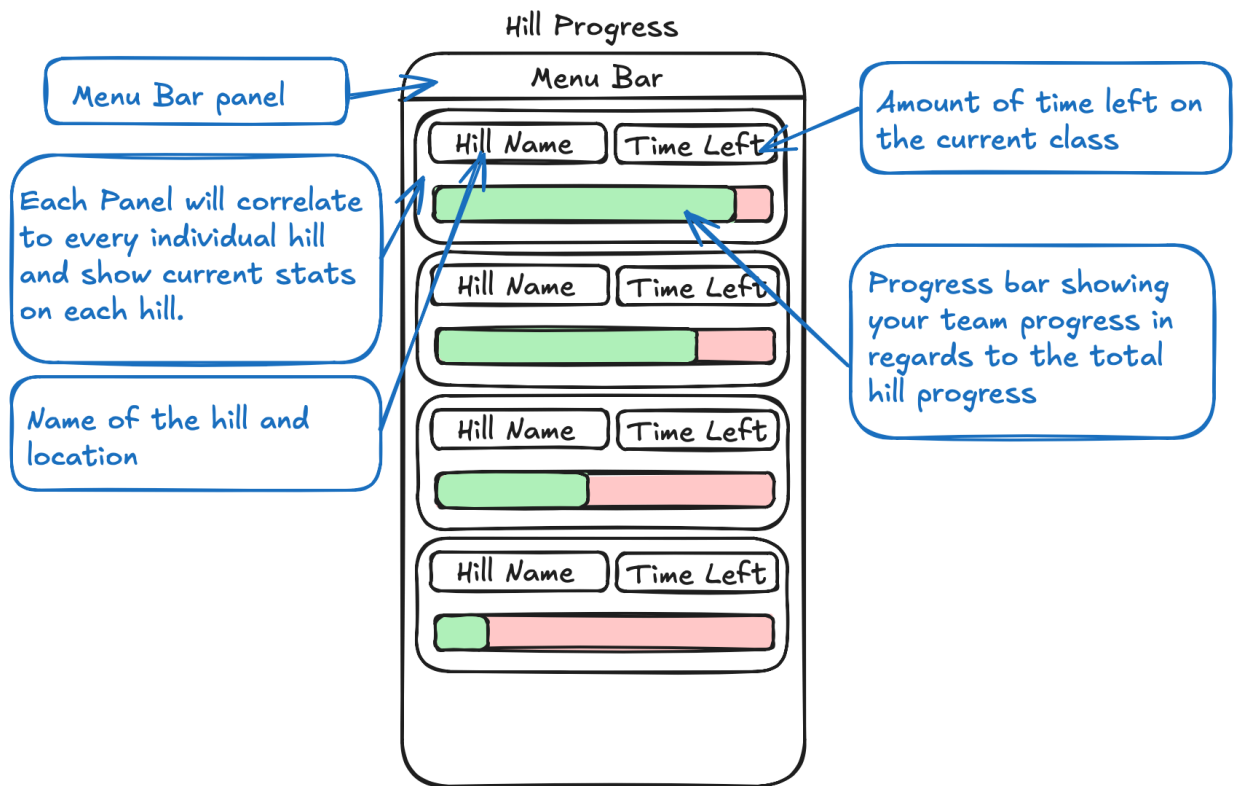This screen will show the events and reports of hill activity
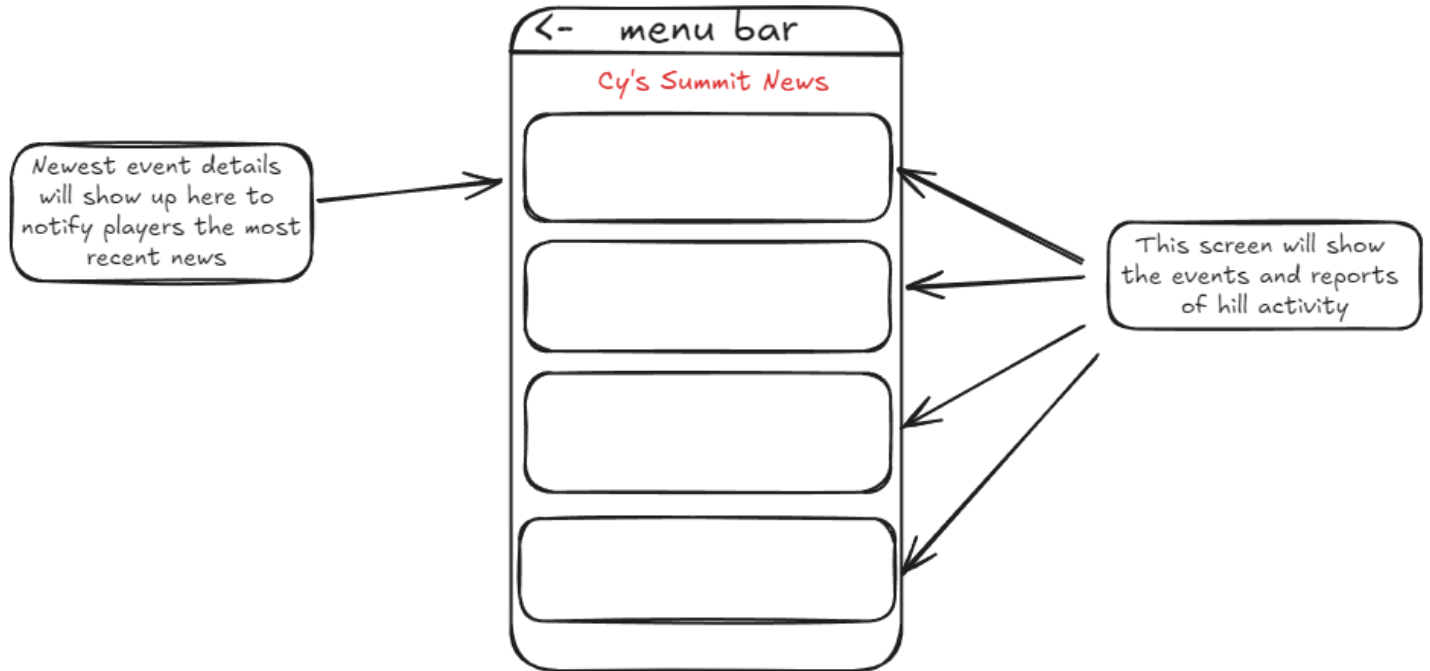
This is the News/Events Screen, this screen will list off events and news from the most recent to the oldest. Players can see what events are currently happening and any news of upcoming hill activity.

Author Page - Matthew Etnyre

Menu bar

Authors Page

Picture of each group member

About me

"about me" pops up when a user clicks the picture

This is the author page, it lets the players look at who made the app. It will have a picture of each of us, if the user clicks on the image then a description of the person will pop up. The top of the page has the menu bar which lets the user return to other pages.
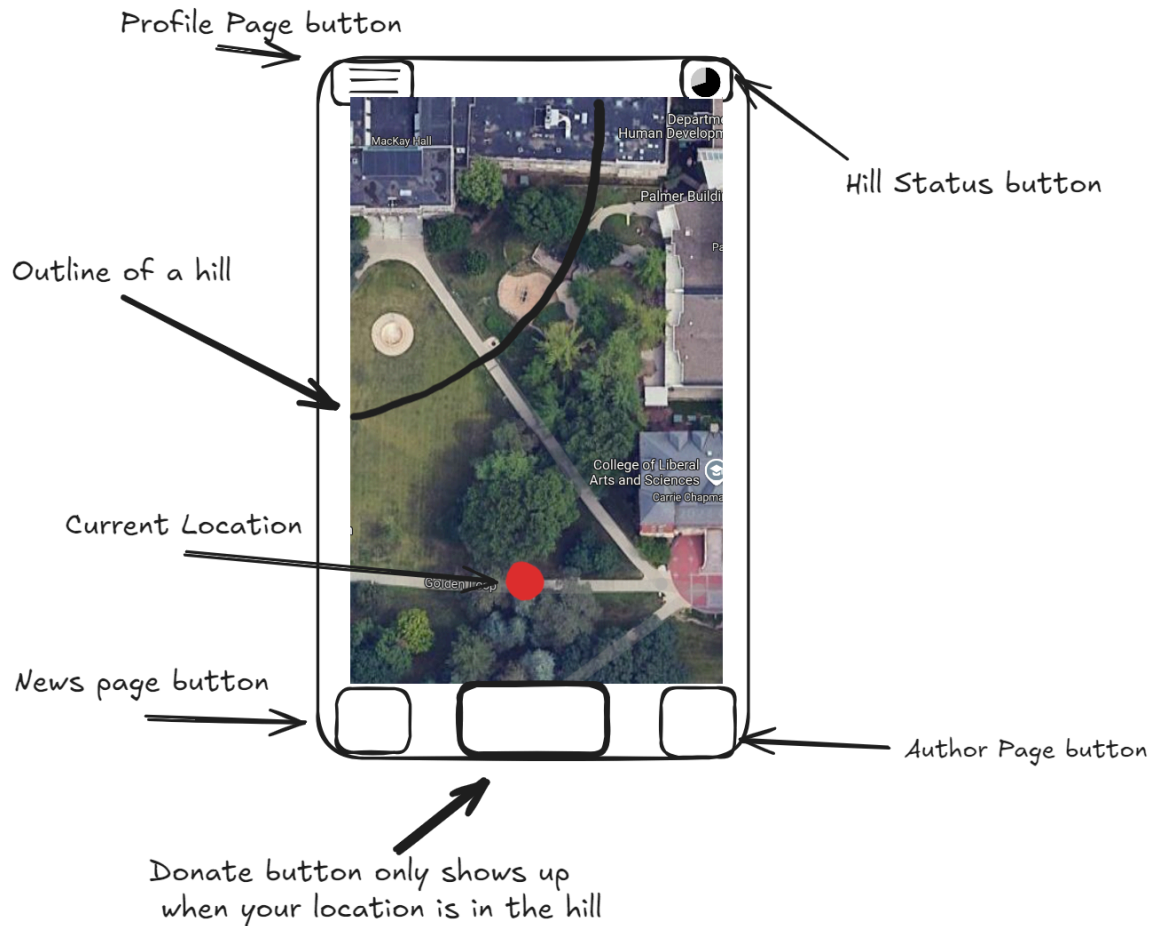
Hill Progress - Ryan Meyer

Hill Progress

Menu Bar panel

Menu Bar

Amount of time left on the current class

Each Panel will correlate to every individual hill and show current stats on each hill.

Hill Name | Time Left

Hill Name | Time Left

Progress bar showing your team progress in regards to the total hill progress

Name of the hill and location

Hill Name | Time Left

Hill Name | Time Left

This will be the Hill Progress screen, it will show all the current hills available to be captured by players. It will show the Name, Time left for the hill captured period (though if all hills will have the same capture period, that could be pulled and out at the top) as well as a progress bar, showing the progress for your team relative to the entire hill.
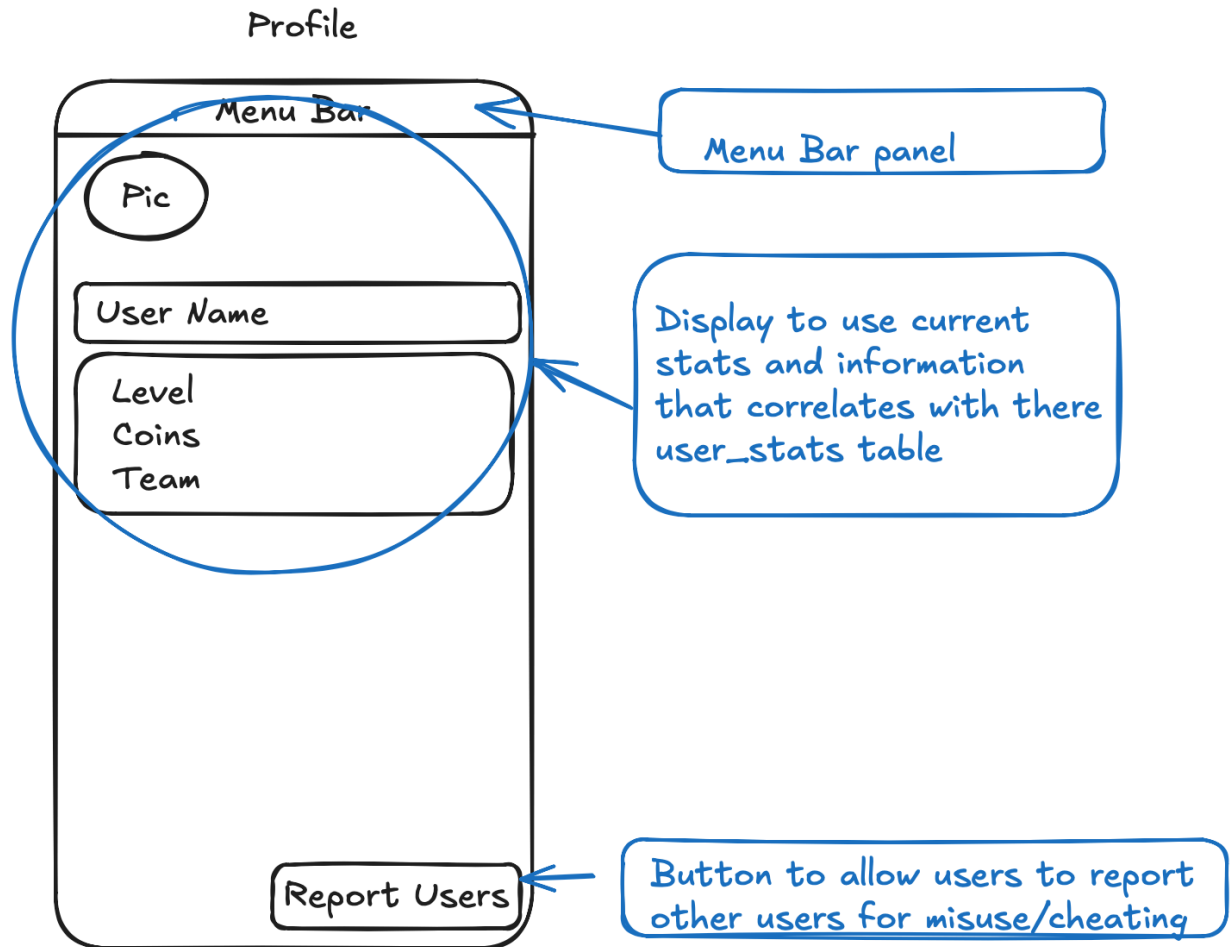
By Matthew Etnyre

Home screen

Profile Page button

Hill Status button

Outline of a hill

Current Location

News page button

Author Page button

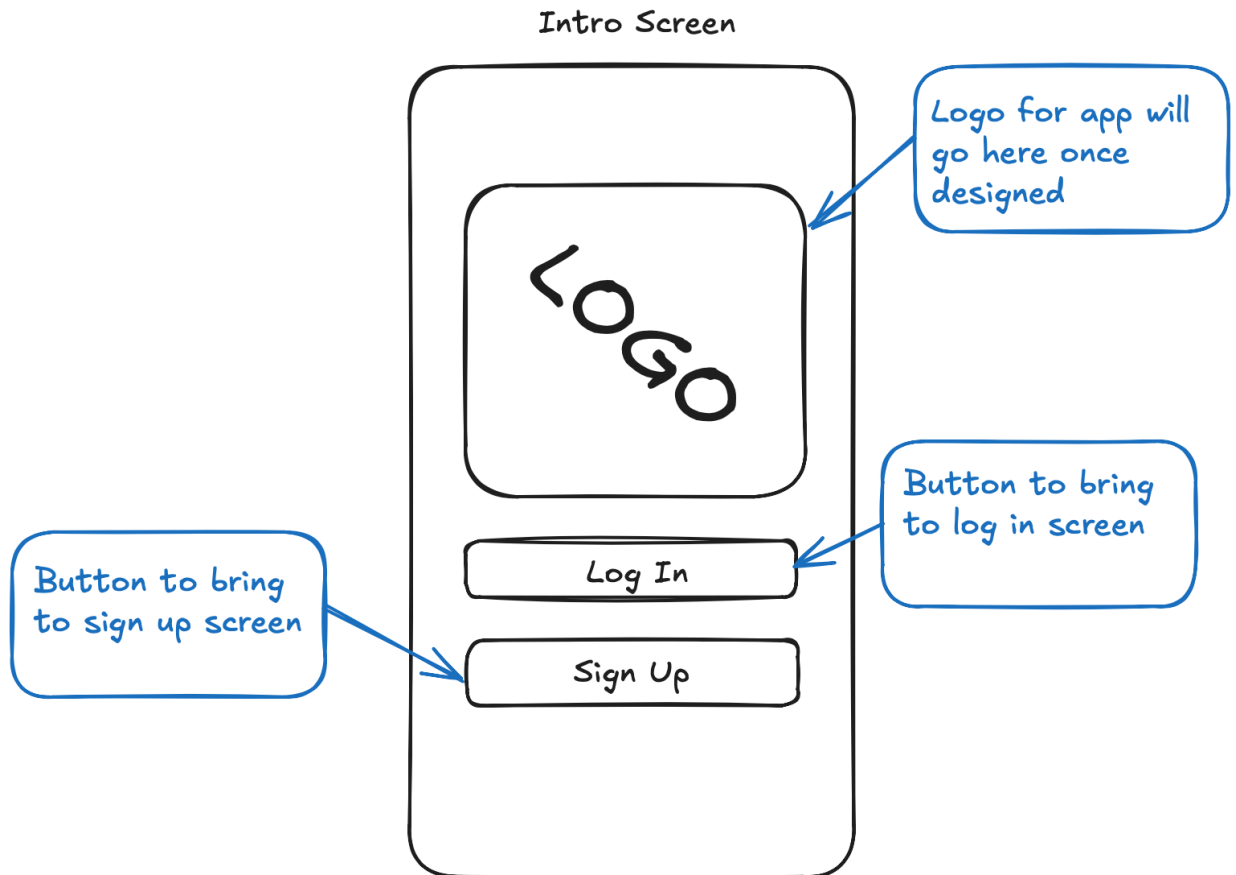Donate button only shows up
when your location is in the hill

This is the Home Screen. The main feature of this screen is the map with your location. As you walk around the world this dot will move with you. If you find yourself in a hill's area then the "donate" button will pop up allowing you to add to that hill's progress. There is a button on each corner, they are the profile page, hill status, author and new page buttons.

Profile Page - Ryan Meyer

Profile

Menu Bar

Pic

User Name

Level
Coins
Team

Report Users

Menu Bar panel

Display to use current
stats and information
that correlates with there
user_stats table

Button to allow users to report
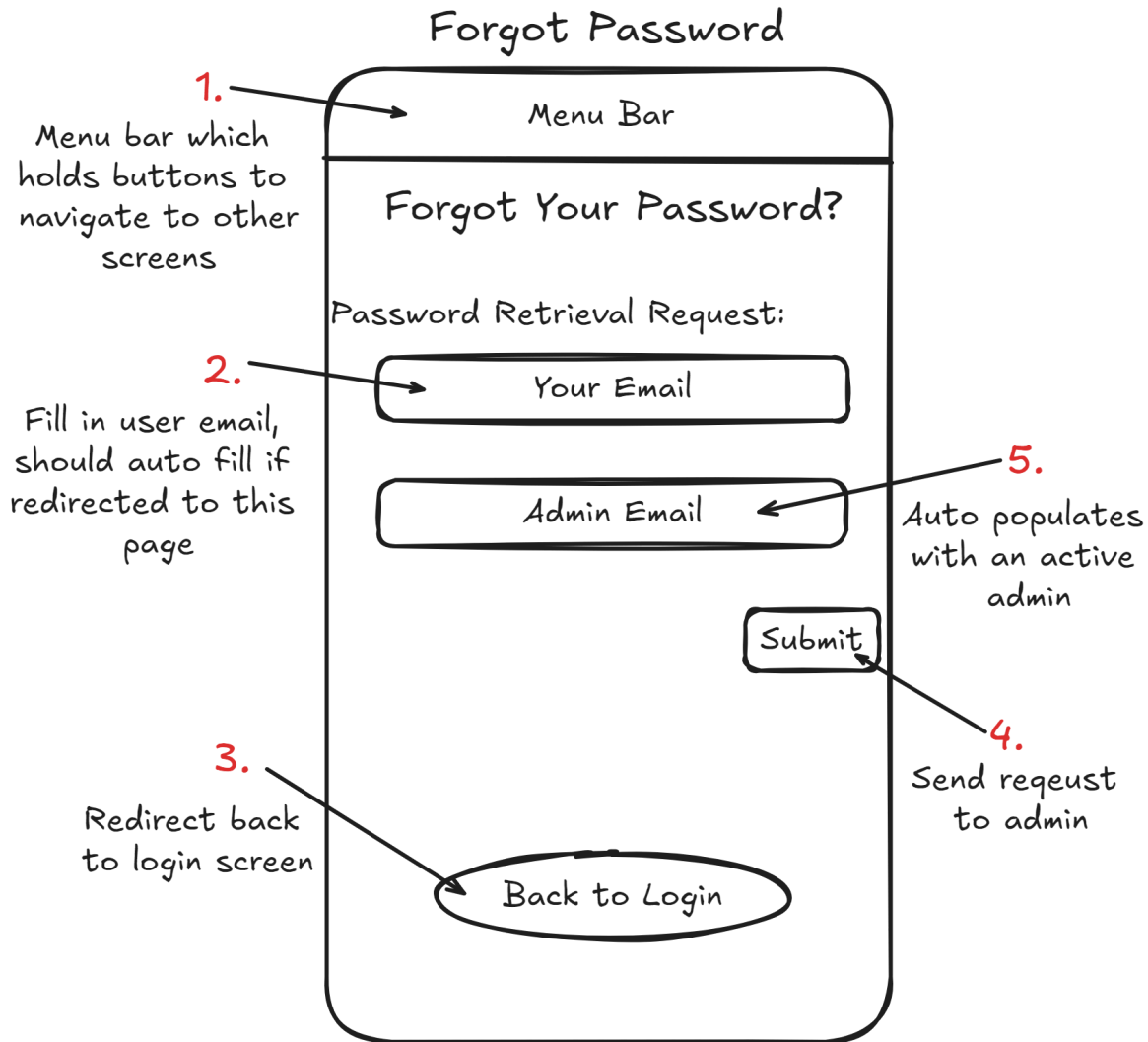other users for misuse/cheating

This will be the profile page, this is how the user can view there current profile pic and current information tied to their account. This is also where they will be able to navigate to the Report Users screen to report other users for misuse/ cheating.

Start Up Screen - Ryan Meyer

Intro Screen

LOGO

Logo for app will go here once designed

Log In

Button to bring to log in screen

Button to bring to sign up screen

Sign Up

This will be the start up/splash screen for the app. This is the very first screen you'll see when starting up the app. You will also be able to navigate to the Log in or sign up screen from here as well.

Forgot Password Screen - Ben Boldog

Forgot Password

1.

Menu bar which holds buttons to navigate to other screens

Menu Bar

Forgot Your Password?

Password Retrieval Request:

2.

Fill in user email, should auto fill if redirected to this page

Your Email

Admin Email

5.

Auto populates with an active admin

Submit

4.

Send reqeust to admin

3.

Redirect back to login screen

Back to Login

This screen is the forgot password screen which will be used for sending a request to retrieve the password to your account if you ever forget it. You will be given an option from the login screen to be redirected to this screen after you enter your password and it is incorrect the first time. When you click the button you will see this screen and if it was a redirect after your password failed the first time then it will auto populate your email, if not you will have to manually enter your email. You can then enter the email for an admin if you know one or it will auto populate an email of an active admin who will see your request right away. The admin then finds your user profile and sends your password back to you. You will then be redirected to the login screen to continue into the game.

Report User Screen - Ben Boldog

Report User

1.
Menu bar with navigation to other screens

Menu Bar

Report User

Your Username

2.
Enter your username, should auto populate

Players Username

Reason for report:

4.
Common offenses to help sort through reports

Reason 1

Reason 2

3.
Enter the username of the offender

Reason 3

Explain:

5.
Text field to explain the offense in more detail

Explanation for report

6.
Submit the report to the admins

Submit

This screen is used to report any users who may be committing an offense. It will auto populate your email in so the admins know who sent the report so they can contact you for any further information. The player then enters the username of the player who is committing the offense and then gives a reason for the report. The reasons will be listed from common reasons for a report and afterward the player will have to give a textual reason for what they noticed the other player doing and why it was worthy of a report. The admins can read through these reports and handle them accordingly.