Screen Sketches

4_Rasel_6

CyWalk

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Actors

- Walker
  - Has privileges to:
    - View their steps
    - View local leaderboards
    - Submit steps to their account
  - Description
    - A general walker with no organization competes against other walkers based on geography.
- Organization walker
  - Description
    - A walker inside a certain organization competes with users in their local area.
  - Has the same privileges as Walker and:
    - Contribute to an organization's total distances
    - Leave an organization
- Organization admin
  - Description
    - Can manage the users in an organization as well as verify that said users are not cheating the system.
  - Has privileges to:
    - View the routes and distances of all users in an organization

- Edit members of an organization
- Disqualify users from the leaderboard
- Suspend users from the organization leaderboard
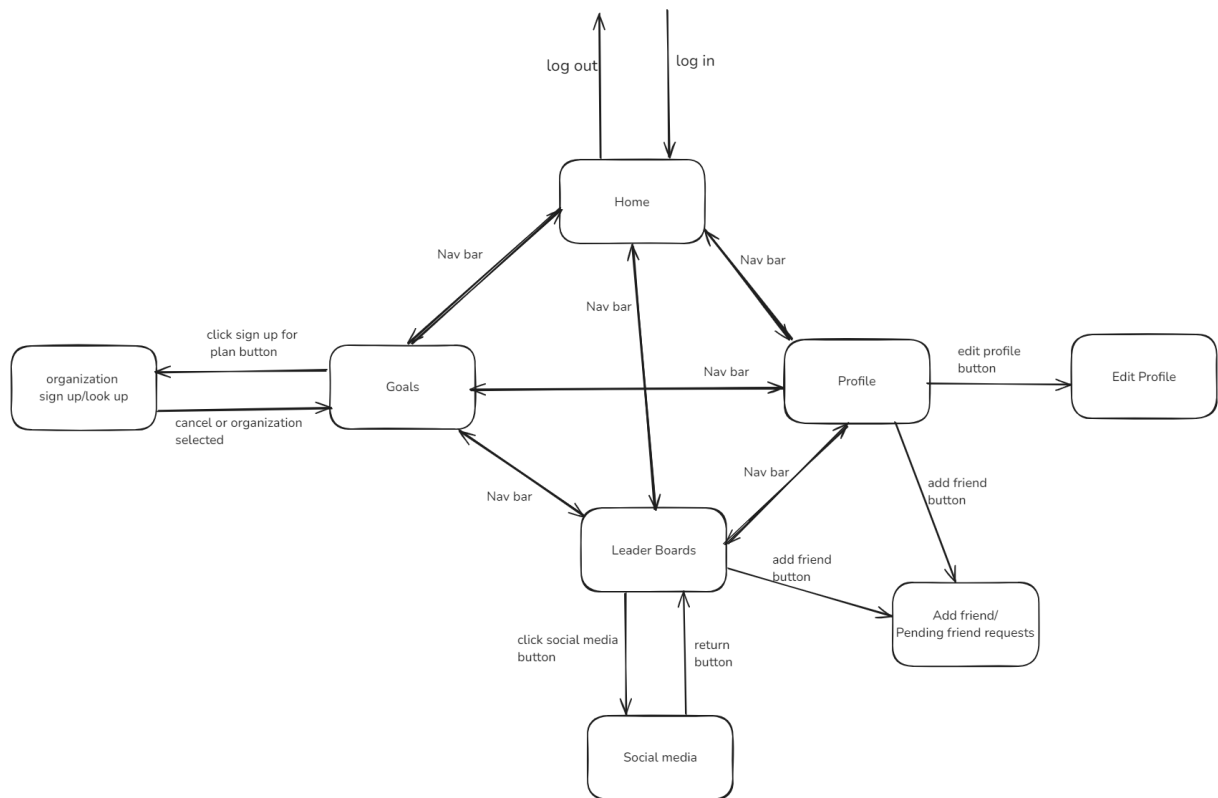
Non-functional Requirements

- The application needs to be able to reliably and accurately track the user's distance traveled
- The application needs to be able to be able to track and record the steps of many users simultaneously
- The application needs to be able to run on a variety of different cellular devices
- The application needs to be able to correctly compare the users in a ranking
- The user needs to be able to sign up for at minimum 1 walking plan

Tables and fields

- User
  - ID – primary key
  - Name - String
  - Email - String
  - Password – String
  - LocationsLogged – List of keys to the LocationDay table for each day
- Organization
  - Id – primary key
  - Members – List of keys to the User table for who all is a member of the organization
  - Admins – List of keys to the Administrator table for all the admins of the org
- Administrator
  - Id – primary key
  - Org – key to the Organization table, that the admin is an org of
  - User id – key to the user table of the user account owned by the administrator
  - Name – String
  - Password - String
- Location
  - ID – primary key
  - Coordinate – Point (gps coordinate)
  - time– Time of logged data
- LocationDay
  - LocationList List of locations logged during a day
  - Date – date that the locations were logged
  - User ID – foreign key to the user who logged those steps
  - Distance – long (sum distance traveled that day)
- Followings
  - ID – primary key for the item relationship
  - User1 ID foreign key to the user who is doing the following
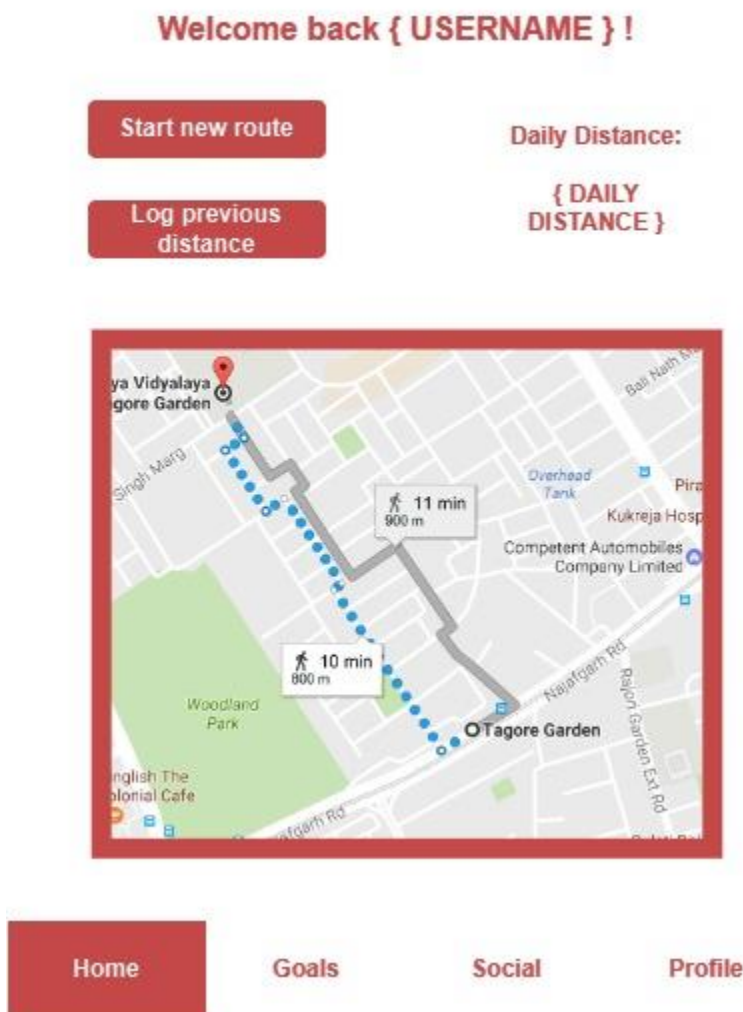 - User2 ID foreign key to the user who is being followed

Screen flow diagram

log out

log in

Home

Nav bar

Nav bar

Nav bar

click sign up for plan button

organization sign up/look up

Goals

Nav bar

Profile

edit profile button

Edit Profile

cancel or organization selected

Nav bar

add friend button

Nav bar

Leader Boards

add friend button

Add friend/
Pending friend requests

click social media button

return button

Social media

Screen sketches

Figure 1: Home – Charlie

Welcome back { USERNAME } !

Start new route

Log previous distance

Daily Distance:

{ DAILY DISTANCE }

Home   Goals   Social   Profile

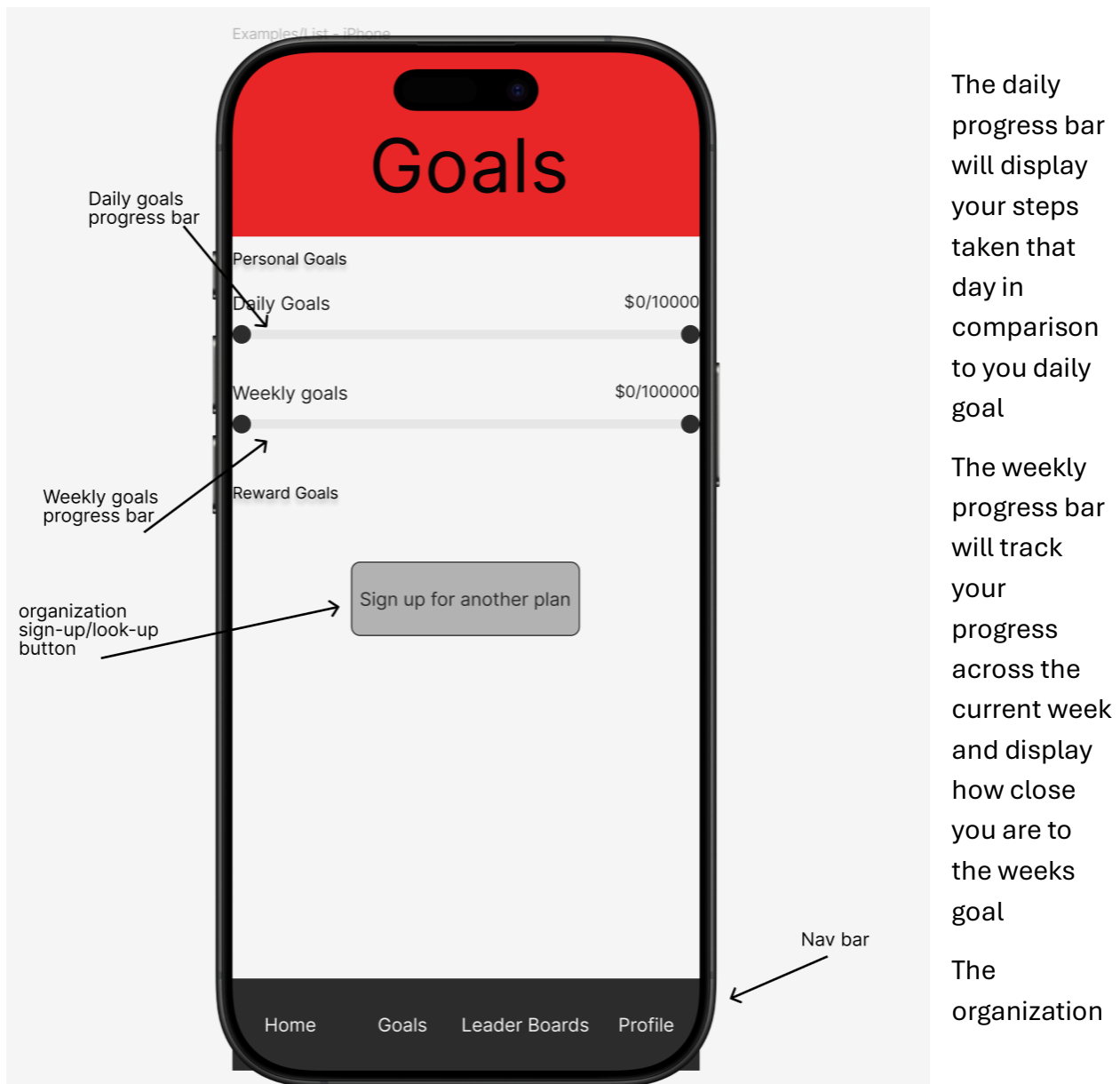Text box at the top shows a greeting as well as the user's username.

"Start new route" button logs the users location as an (x,y) coordinate and until stopped will add to the cumulative distance number for the user.

"Log previous distance" button will allow the user to manually enter a distance traveled which will add to the cumulative distance number for the user.

"Daily distance" text box displays the daily distance value.

The main part of the view looks like a map, but on the map will show the user's current location if enabled as well as their route traveled if they have used the "Start new route" button to track their distance.

Figure 2: Goals – Justin

Daily goals progress bar

Goals

Personal Goals

Daily Goals $0/10000

Weekly goals $0/100000

Weekly goals progress bar

Reward Goals

organization sign-up/look-up button

Sign up for another plan

Nav bar

Home   Goals   Leader Boards   Profile

The daily progress bar will display your steps taken that day in comparison to you daily goal

The weekly progress bar will track your progress across the current week and display how close you are to the weeks goal

The organization

lookup/signup button will allow you to search for and sign up for an organization's walking plan and receive their associated awards

The nav bar will allow you to navigate between the four main screens in the application

Figure 3: Leaderboards – Justin

The leaderboard tabs will allow you to navigate between different views that will show the leaderboards for their respective distinctions
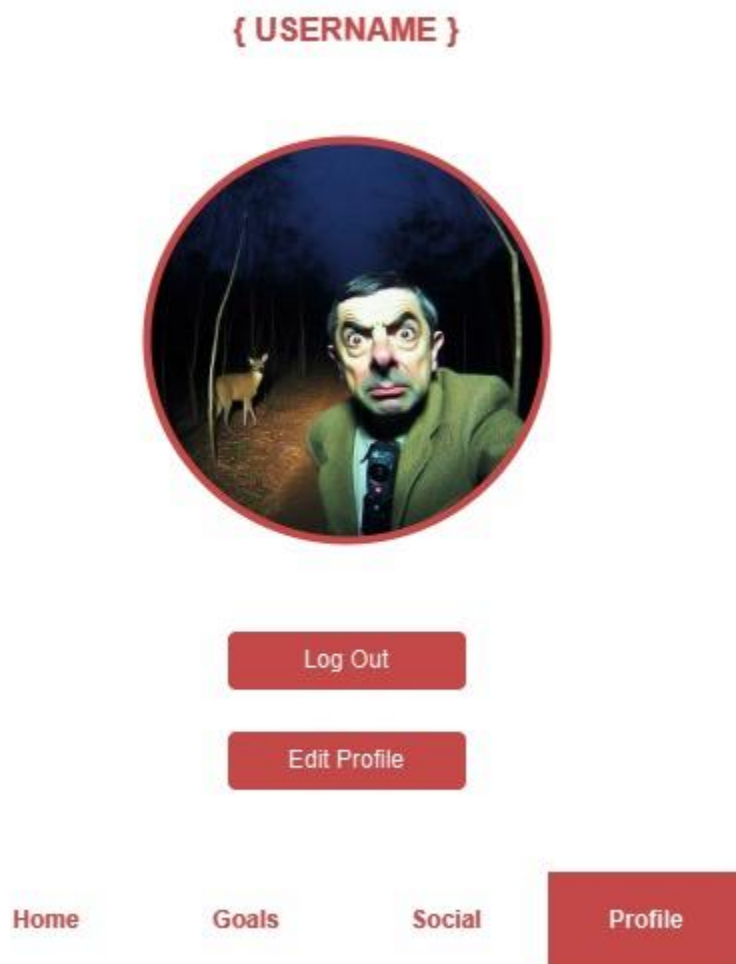
The Friends profile display will show the friends and where they rank

The step display will display the step count for the users on the leaderboards

The social page button will allow you to switch to the social media page

The nav bar will allow the user to navigate to the applications four main pages

Figure 4: Profile – Charlie

{ USERNAME }

Log Out
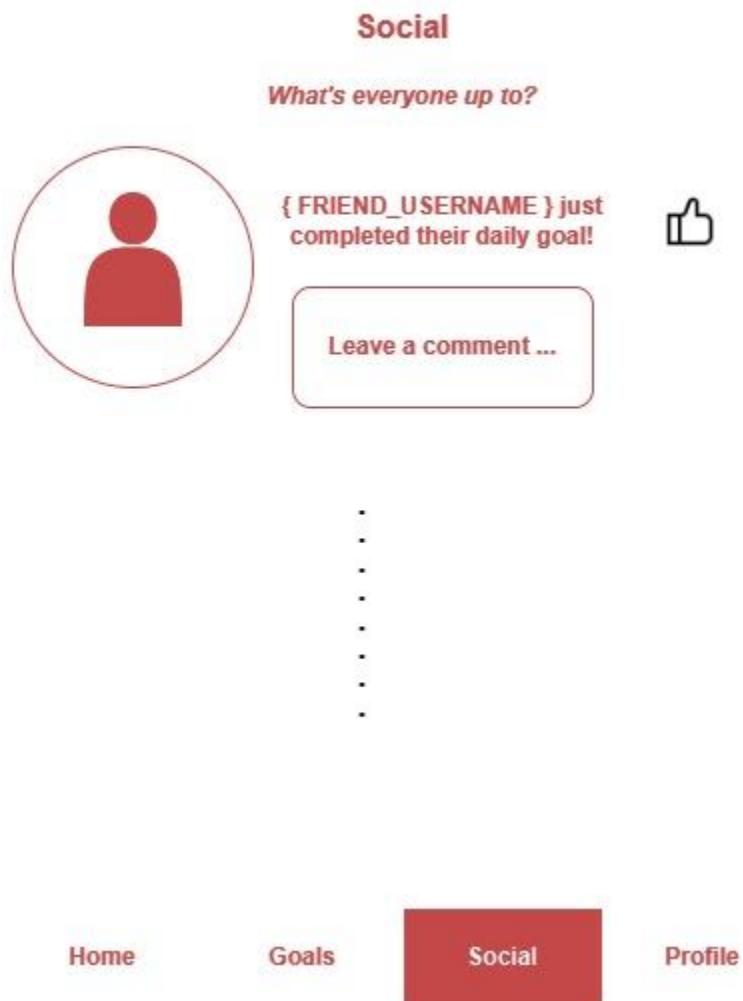
Edit Profile

Home   Goals   Social   Profile

Text field at top shows the user's username.

Picture in center is user's current profile photo.

"Log Out" button gives user option to log out of their currently logged in account.

"Edit Profile" button moves user to Edit Profile view

Figure 5: Social media page - Caleb

Social

What's everyone up to?

{ FRIEND_USERNAME } just completed their daily goal!

Leave a comment ...

| Home | Goals | Social | Profile |

This tab is scrollable vertically and split into sections for each feed post.

Each section will have the friend's username with some text, with a clickable "like" icon. There is also a text box for the user to add a comment to a friend's feed post.

The dots represent multiple feed posts for different friends extending downwards.

Figure 6: Profile editor page - Ethan

Edit Profile

Change profile picture

Change Username   Change Password

Home   Goals   Social   Profile

This page allows the users of our app to change the look of their profile whenever they please, as part of our app is also social media.

The picture in the center is the current photo of the user.

The change profile picture, username, and password buttons will allow the user to customize each value for their profile, so that they can login differently or appear differently to the larger CyWalk audience.

Figure 7: Organization walking plan sign up/look up Page - Ethan

This page allows for Users to sign-up to Business Walking Challenge Plans.

The challenges are all challenges created by businesses to encourage students to hit their walking goal. These challenges can be selected by clicking the "Accept Challenge" Button.

You can press the Load More button to see more challenges.

Figure 8: Add friend page (QR and friend code input Field for others codes) - Caleb

Add Friend

Pending Requests

Name	Accept?	
{pending request}	✓	X
{pending request}	✓	X
{pending request}	✓	X
{pending request}	✓	X
{pending request}	✓	X
{pending request}	✓	X
{pending request}	✓	X
{pending request}	✓	X
{pending request}	✓	X
{pending request}	✓	X
{pending request}	✓	X

People can scan this
QR code to add you as
a friend!

You can also enter their
username here!

Send Request

Home   Goals   **Social**   Profile

This page allows Users to connect to each other via CyWalk. Users can scan each other's QR code to add each other or type in the username of the User they want to add to friend them.

The second view "pending requests" shows the requests that have been sent to a user to be added or denied by the user.