CALIFORNIA STATE UNIVERSITY BAKERSFIELD

Runner Maps
Students: Jennifer Kuo, James Tagaca, Jeff Hicks
Mentor: Dr. Danforth

Administrator Web Page

Functionalities Implemented (from scratch):

- Basic **data validation** checks for
  - register code
  - blank fields / files or hijacked codes submitted
- Basic **user system**
  - register, log in, and log out
- **Inserting** a map via an uploaded file
- **Deleting** individual locations **one by one**
- **Deleting** an entire floor plan **all at once**
- **Adjusting** the **categories** for individual locations
- **Create** categories and **rename** categories
- **Persistent user settings**

Make sure all fields are entered
Username is blank.
Password is blank.
Username needs to be between 4 - 12 characters

Update an Indoor Location's Category

Location ID:

Category:
Please Select A Category

Please Select A Category
Remove Category
Research Center
Tutoring Center

Log Out

Campus Map Hub

Insert a Map

View/Delete a Map

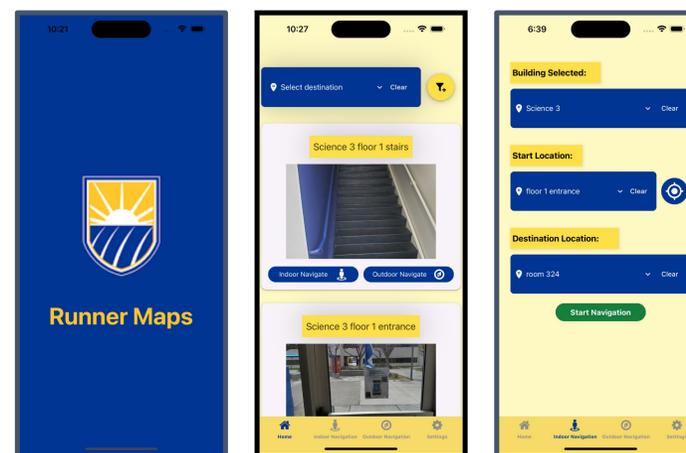View/Delete an Indoor Location

Category Hub

User Settings

Campus Map

Delete Indoor Locations

Science 2: floor 1

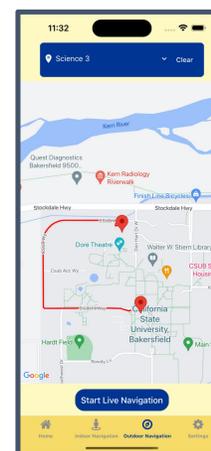| Location ID	Location Name	Service	Delete
93	111	Research Center	Delete

ARE YOU LOST?

First-Ever Solution: Indoor and Outdoor Navigation Made Easy.
(IOS AND ANDROID)

Outdoor Navigation

This feature uses Google Maps API and GPS. It fetches the user's current location, determines the closest entrance of the desired building, then maps the shortest path to the destination. It also links to the Google Maps App for live navigation.
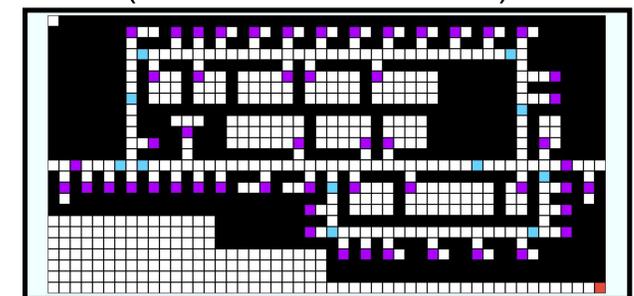

Indoor Navigation

Uses GPS to find locations. Supports navigation between different floors. Also supports sound navigation for accessibility.

I. Engine and Visual Designer

The app uses a visual grid as an engine to guarantee finding the shortest path. This engine can be extended to use with other apps. There is also a grid designer to create floor layouts more easily, making the project scalable.

(SCIENCE 3 FLOOR 2)

II. Result Screen

The screen shows travel instructions from checkpoint to checkpoint, indicates its distance in meters, and front loads the user with information about upcoming paths.