Route Runner

Team Number: Team 6
Group Members: Sriram Alagappan, Truman Byrd, Paige Gibson, Colette Montminy
Application Name: Route Runner
Dependencies: Xcode 13.2.1, Swift 5, Firebase, Mapkit, AVFoundation

Special Instructions:
- Use iPhone 13 Pro Max simulator
- Ensure that you have the firebase-ios-sdk installed
- For an account with prefilled data, use the following login information:
    - Email: user@demo.com
    - Password: demodemo
- To avoid going over Firebase storage limits, the max image size is 8MB

Features

Feature	Description	Planned Release	Actual Release	Deviations (if any)	Contribution (name, percentage contributed)
Login/ Registration	Completed Login and Registration UI, installed Firebase packages, implemented Firebase authentication to support registering new users and logging in to an existing user	Beta	Beta	Only support login via email	Paige - 100%
Home Page	Displays the runs nearest to the user based on their location, view and start up runs, creation of new runs	Alpha	Alpha (creation), Final (Firebase integration)	Shows nearby runs rather than 3 most recent runs	Sri - 75%, Truman - 25%
Navigation UI	NavBar at the bottom of the screen that allows	Alpha	Beta	Ran into a weird bug that caused the NavBar to	Paige - 100%

				not render correctly	
Friends Page	Displays the users added friends, user can view their friends' profile pages and queue up runs, email searching to add new friends.	Final	Final	Sharing runs is limited to viewing the runs present on friends' profiles	Truman - 100%
History Page	Displays all past runs that the user has gone on. Each run links to a page outlining details about a run, such as distance, time, route, and average pace.	Alpha	Alpha (creation), Final (Firebase integration)	History page only shows runs *you* created – renamed "Your runs"	Truman - 100%
Run Page/ Algorithm	Displays for a currently active run. It shows the map with the highlighted route and the current location of the user via GPS. The screen also shows directions, elapsed time, pace, and mileage	Beta	Beta	Did not implement challenges/storing locations found due to time constraints / limitations of MK	Sri - 100%
Text to Speech	Reads out directions to the user during a run if the setting is enabled	Beta	Beta		Colette - 100%
Run Storage	Implementation of saving user runs to Firebase backend in order to display in various screens of the map. Users can replay stored runs from themselves or others	Beta	Beta, Final (storage of images)		Truman - 50% Sri - 50%

Profile Page	Displays information about the user, such as their name, experience level, and total mileage. Also displays a list of pictures that represent previous runs and allows the user to choose a profile picture. Shown to other users when accessed via the friends page	Beta	Beta (profile page with dummy data), Final (dynamically load data, edit profile picture)		Paige - 20% Colette - 40% Truman - 40%
Settings	Page to change the color scheme, distance units, and text to speech settings. Also allows the user to change profile information such as name or account information, as well as an option to log out.	Alpha	Alpha (basic toggle settings), Beta (profile settings)	Did not implement privacy settings such as hiding locations from other users	Colette - 100%
UI	Colors, buttons, text, etc.	Final	Final		Sri - 25% Colette - 25% Truman - 25% Paige - 25%