

Manual Testing Plan

Environment:

OS Support:

- Windows 10

IDE:

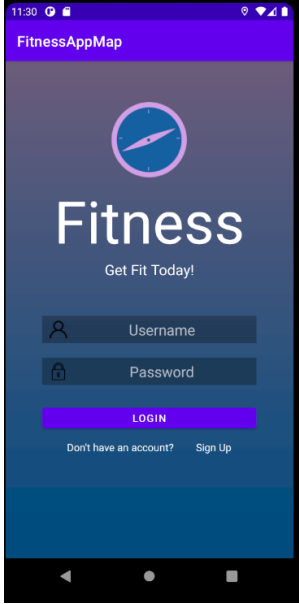
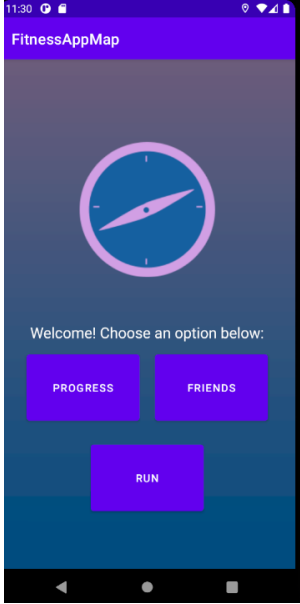
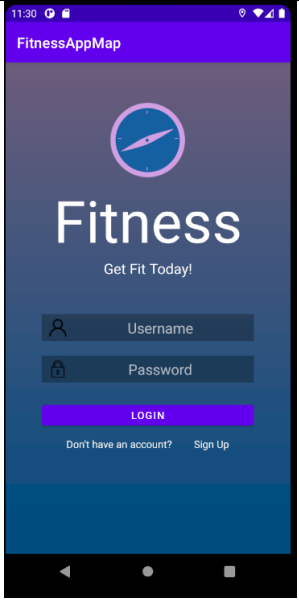
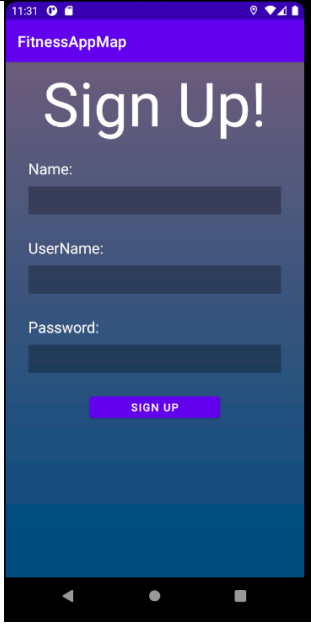
- Android Studio 64-bit
 - Can be found at: <https://developer.android.com/studio>

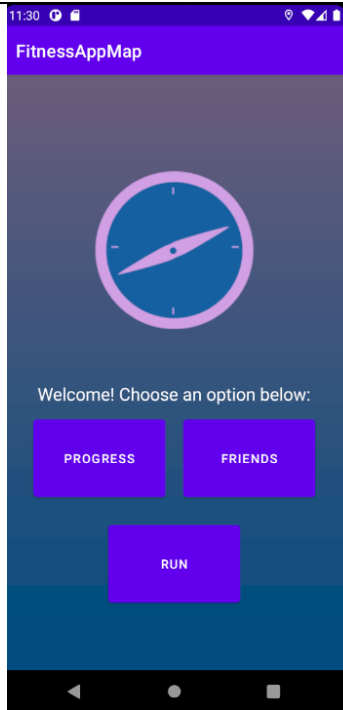
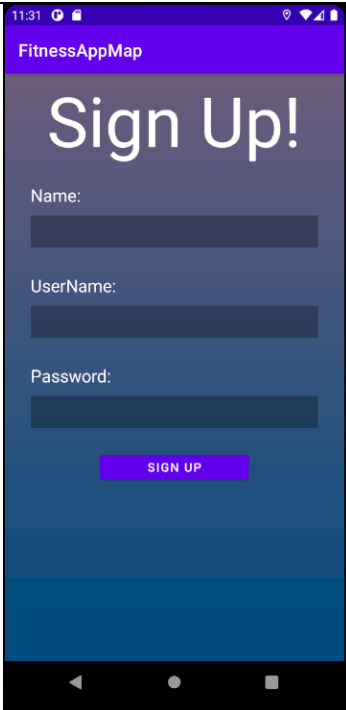
Testing Emulator Device:

- Pixel 3a (Android 10)

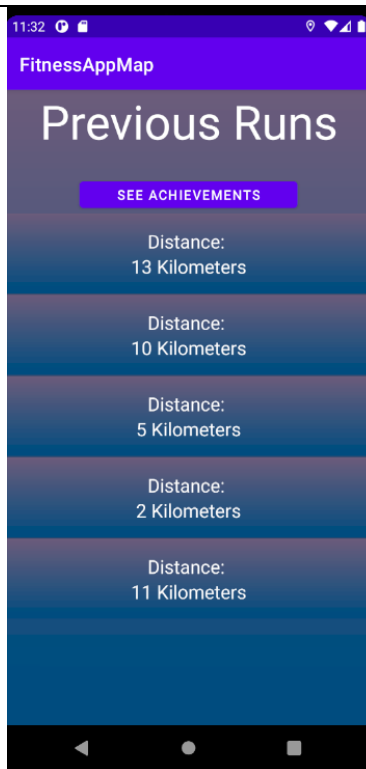
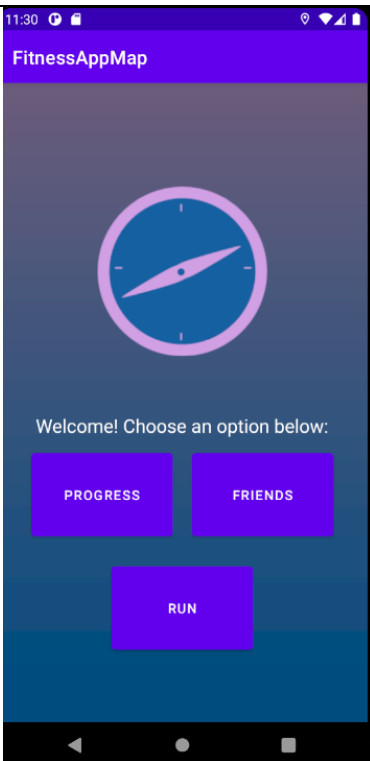
Project Week 2 Testing Plan

App Navigation:

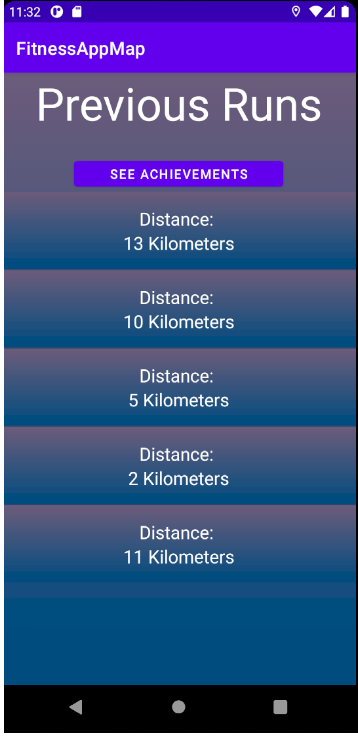
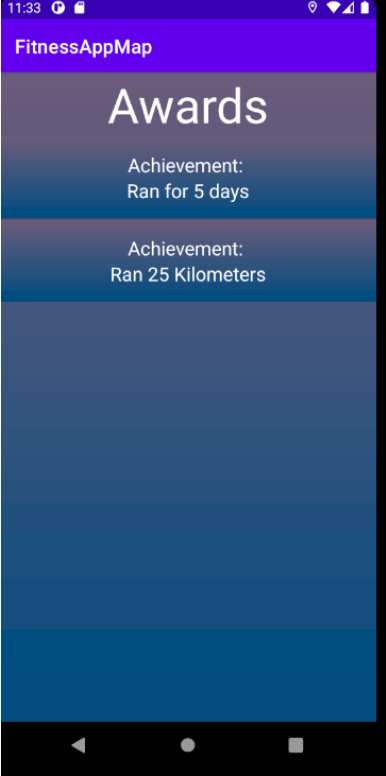
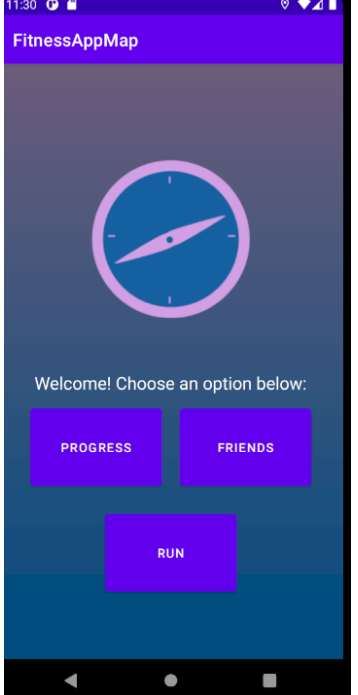
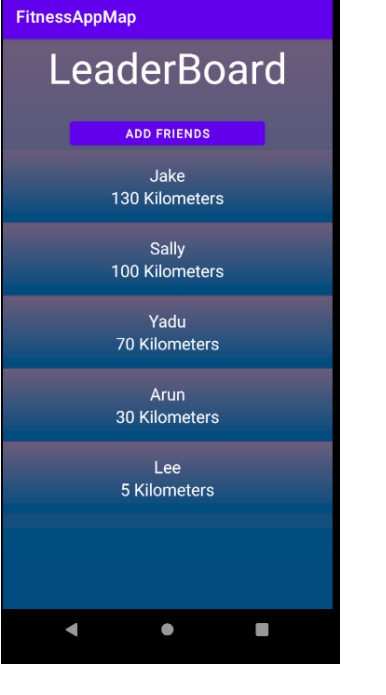
Input	Expectation	Explanation
		When the user logs in it should take them to the home screen.
		If the user is new and wants to sign up it should take them to the sign up page.

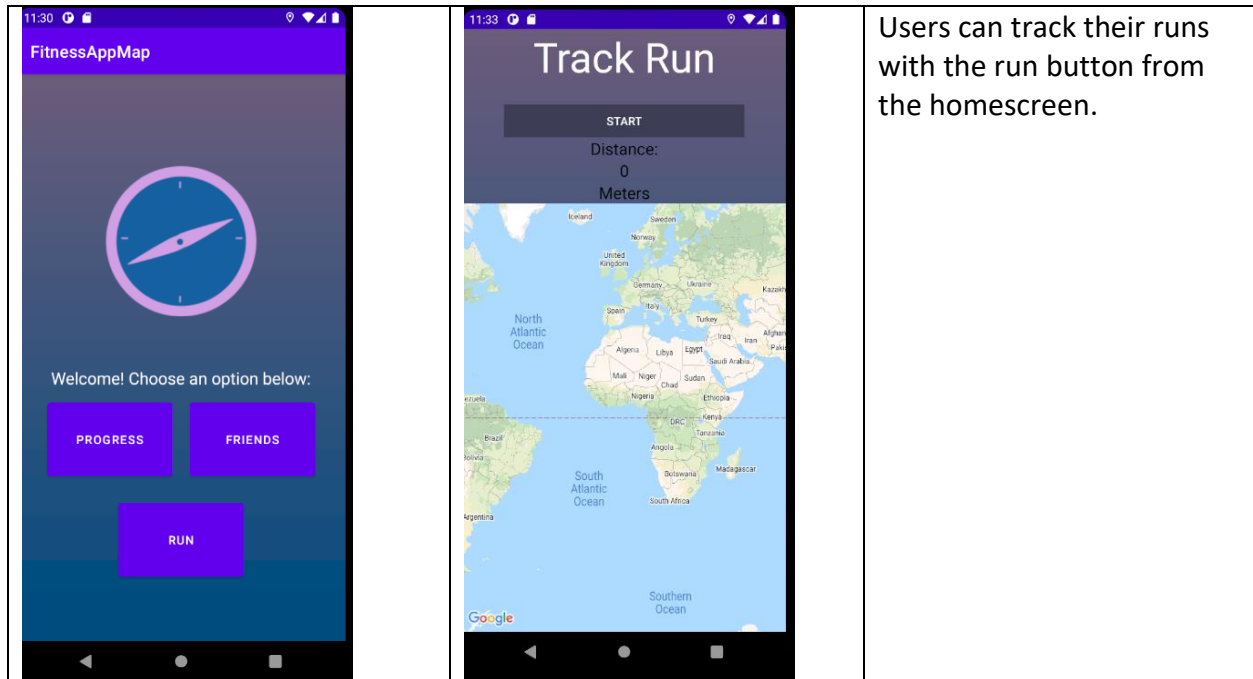


After the user is created it should take them to the home screen



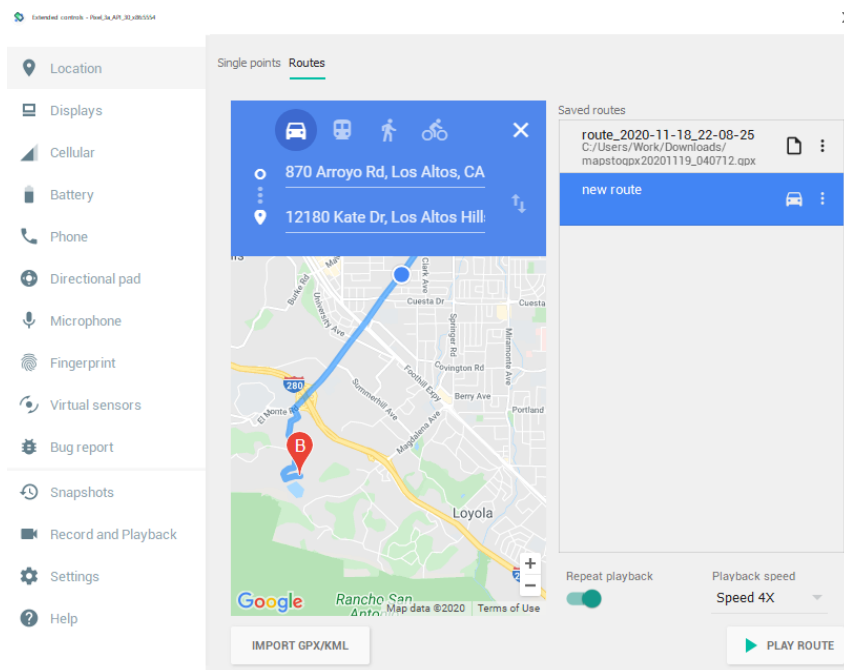
Users can see all their runs if they select progress from the home screen.


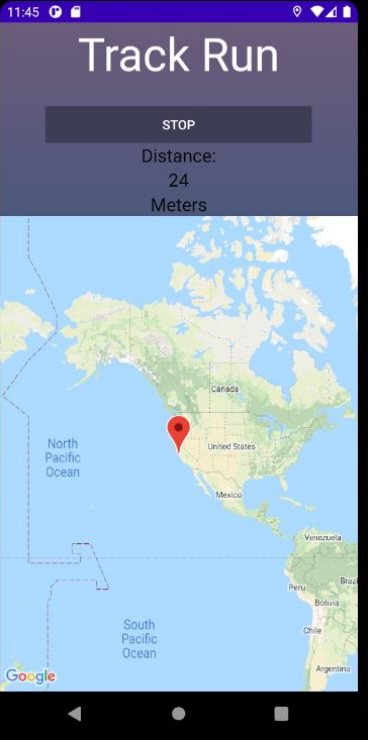
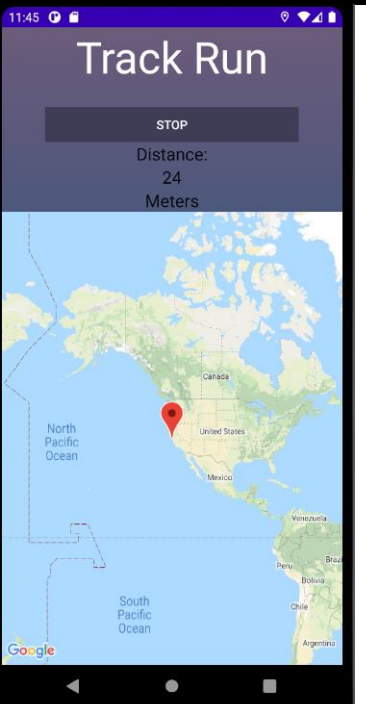
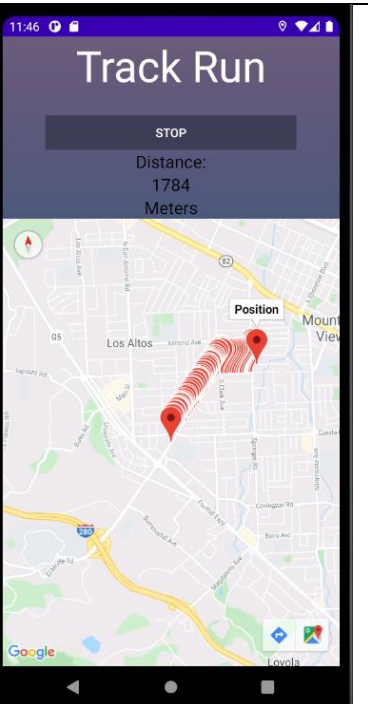
		<p>Users can see their achievements by selected "See Achievements"</p>
		<p>Users can see their friends and compare their progress with their friends.</p>

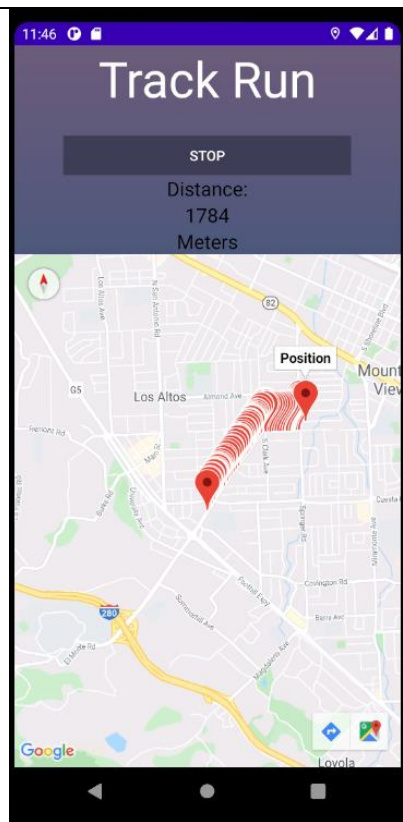
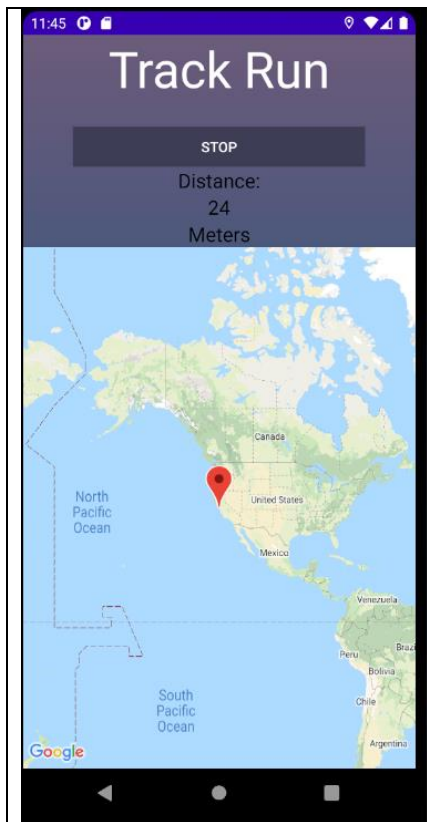


Track Runs with API:

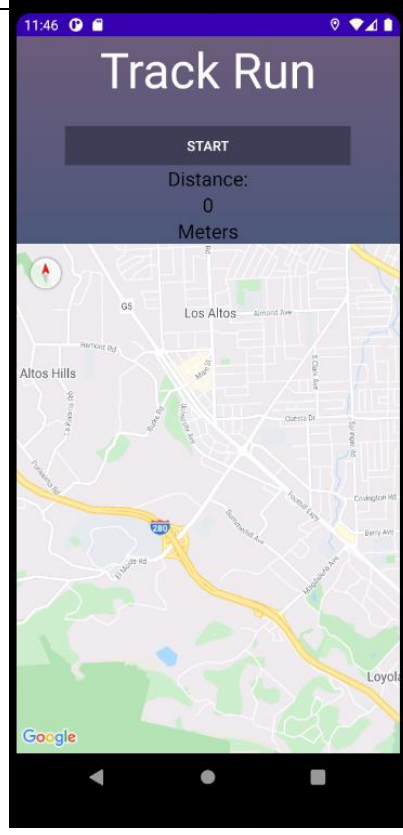
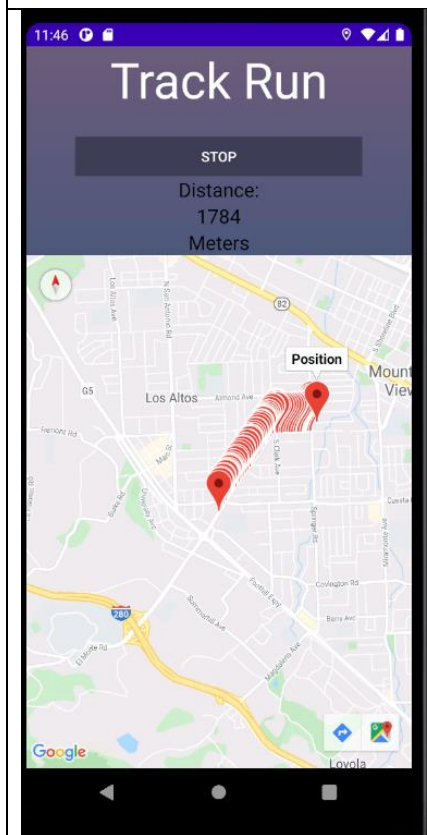
Under External Device Settings Create and play a new route:



Input	Expectation	Explanation
		<p>When the Start Button is selected it should change to a stop button.</p>
		<p>As the user moves along their run the path is kept track of on the map.</p>



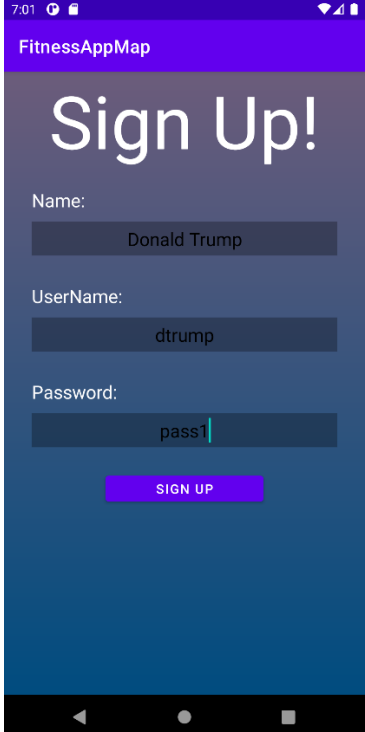
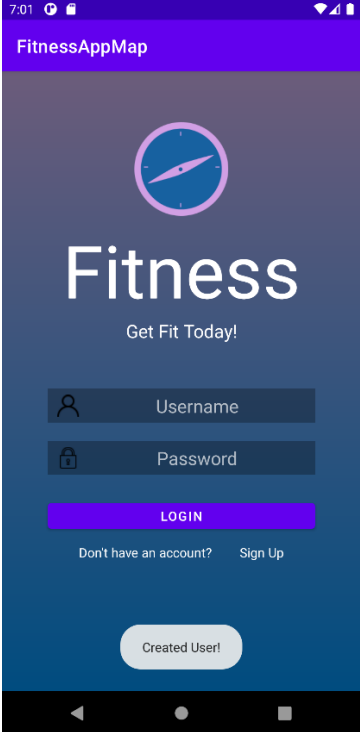
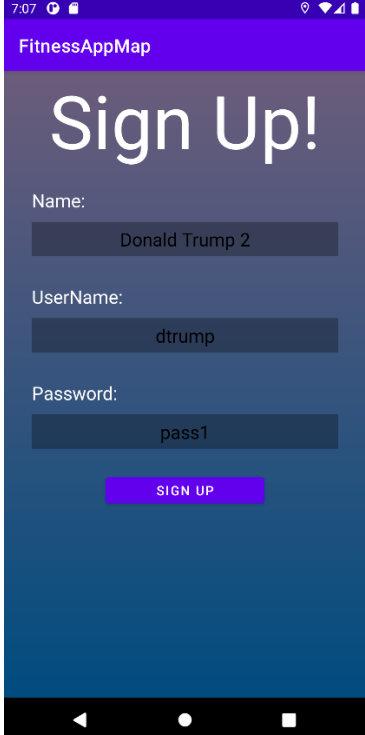
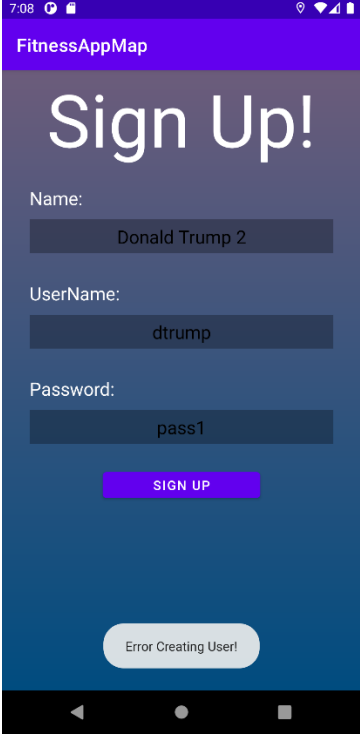
The distance is calculated as the user moves along their run.

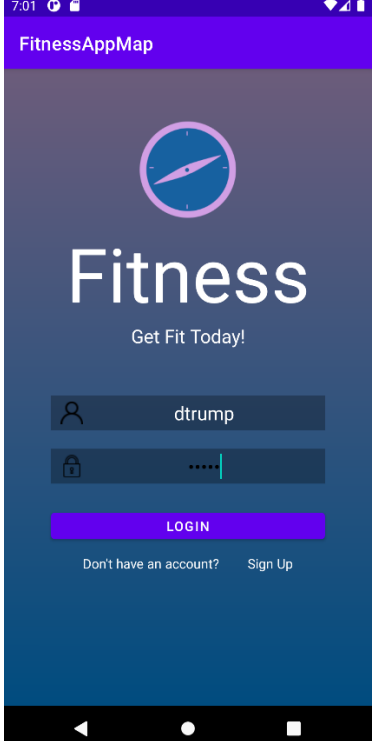
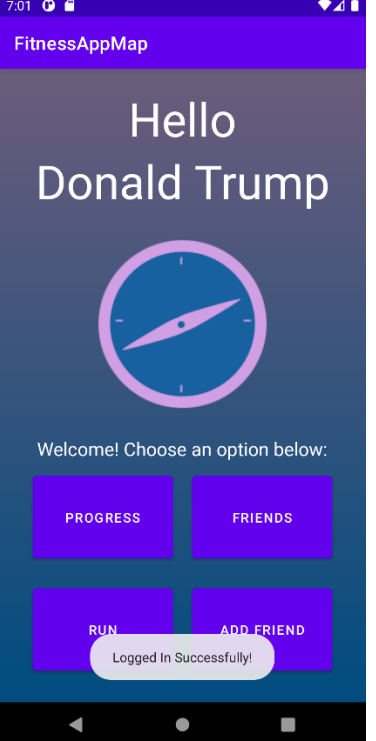
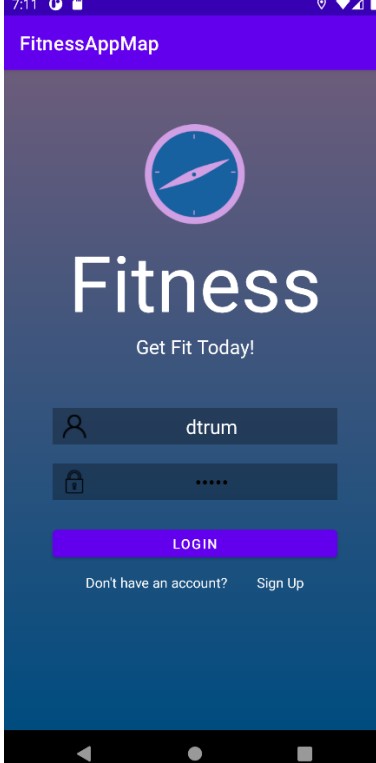
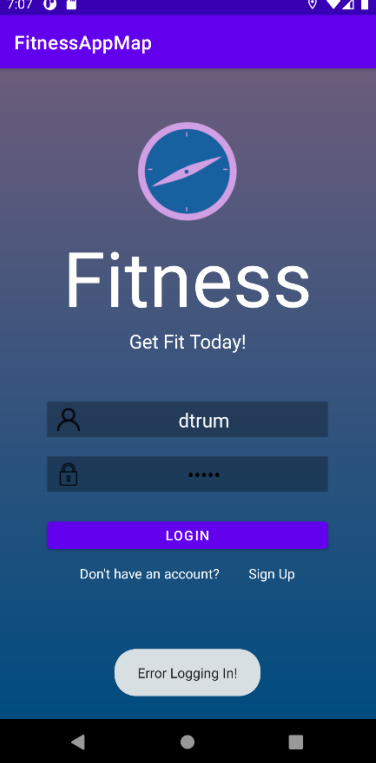


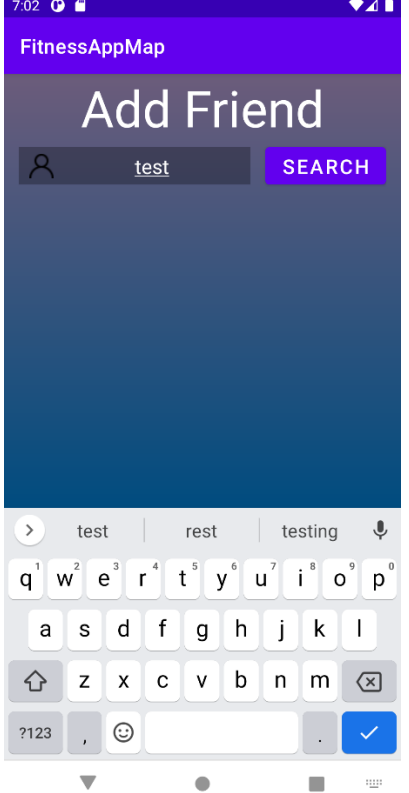
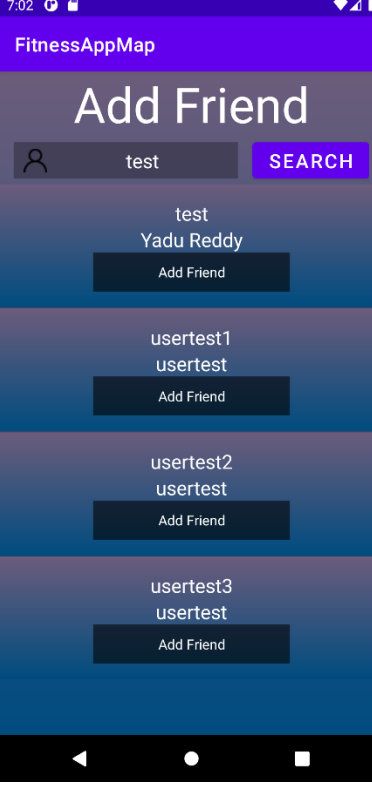
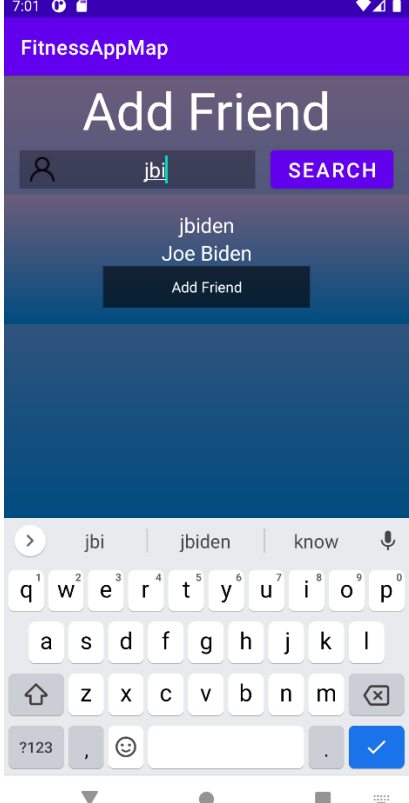
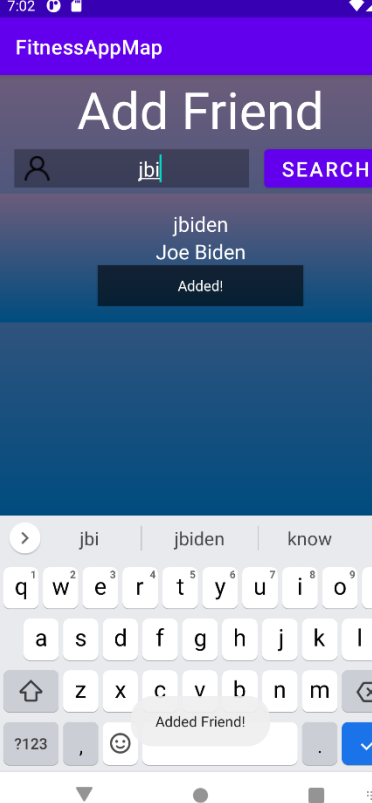
When the user stops the run it resets the map and the distance tracker.

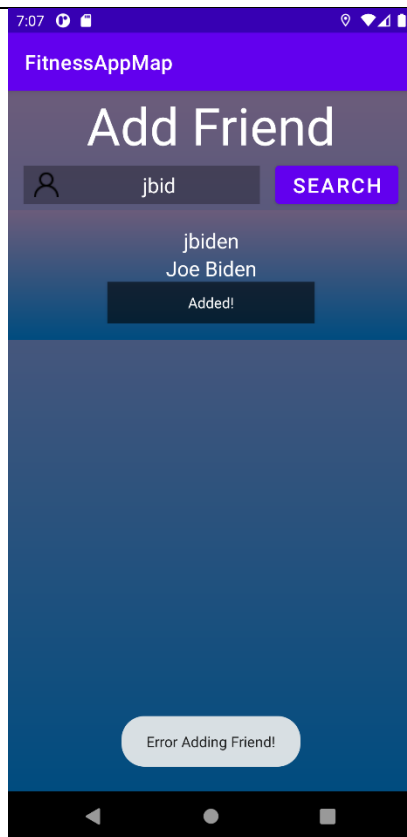
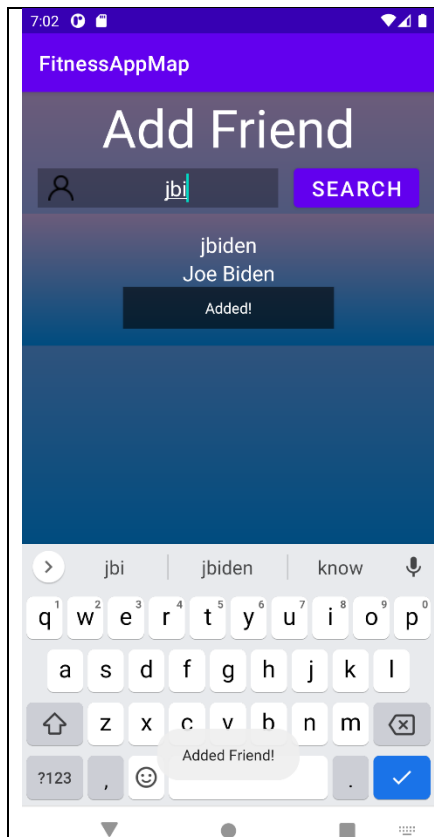
Project Week 3 Testing Plan

Make Sure App is Connected to the Backend Database:

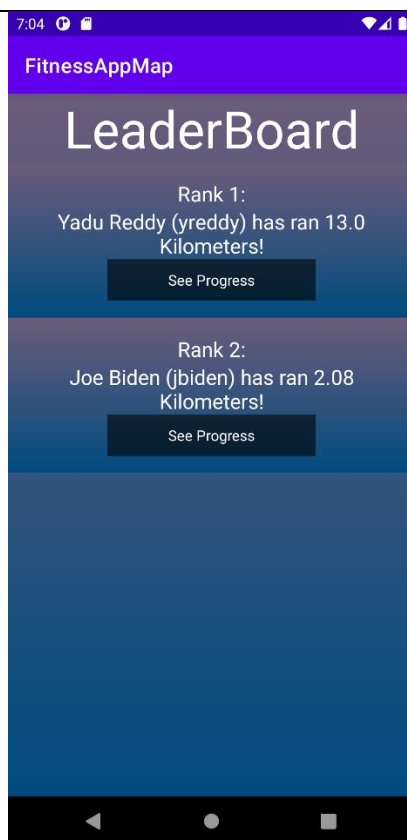
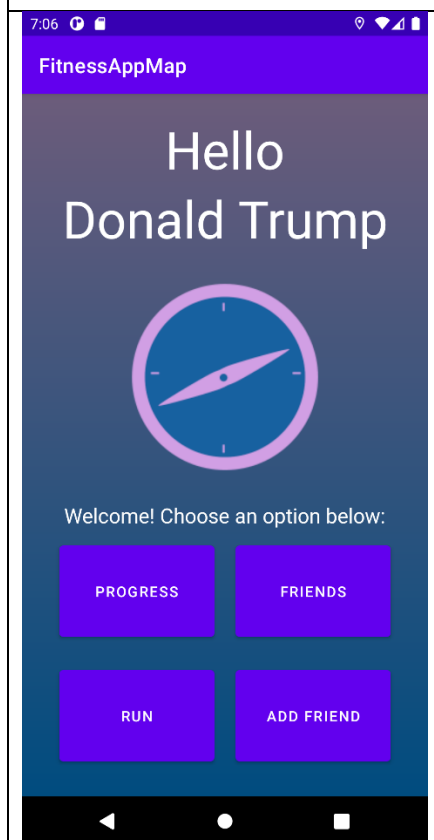
Input	Expectation	Explanation
		A user can be created by filling out all the appropriate fields and selecting sign up. The user will notify the user if the account was created successfully and take them to the login page.
		If the username is taken or all the fields are not filled out the app will notify the user that there is an error.

		<p>When the user correctly logs in with the right username and password then the app will notify the user and take them to the home page.</p>
		<p>If the user enters the wrong username of password the app will notify the user.</p>

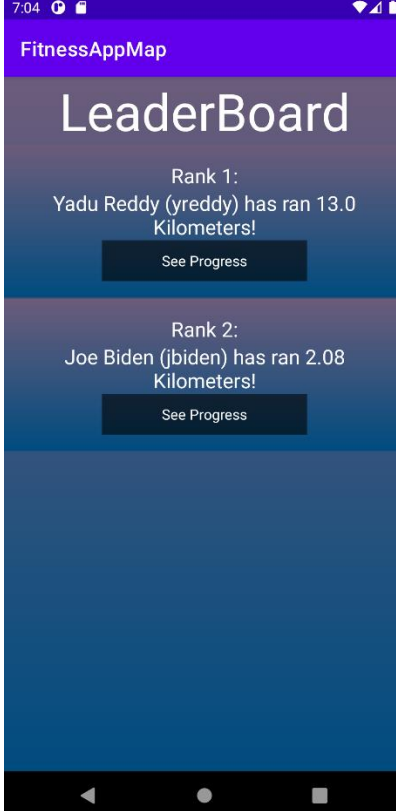
		<p>New friends can be added by searching for the username. If the username contains the string the user inputted then they will be displayed for the user to add.</p>
		<p>When “Add Friend” is selected the button changes to “Added” so that the user can know if they added someone before.</p>

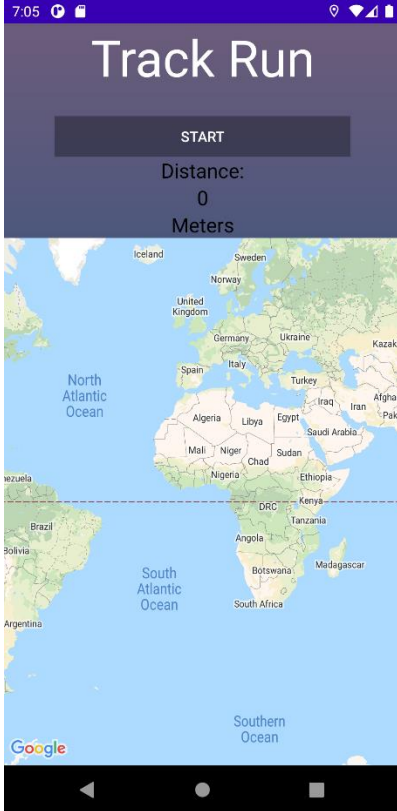
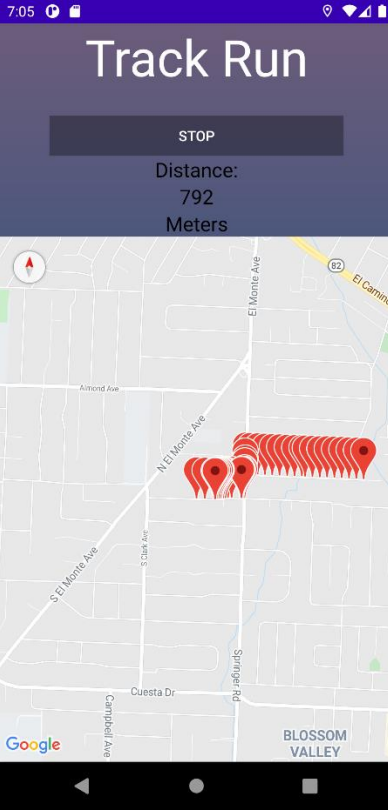
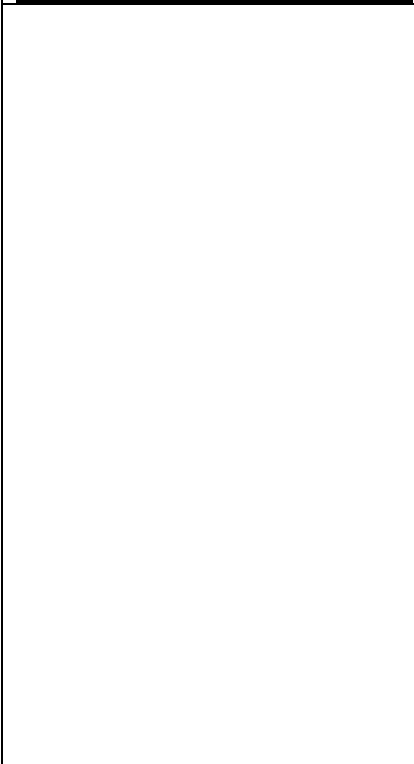
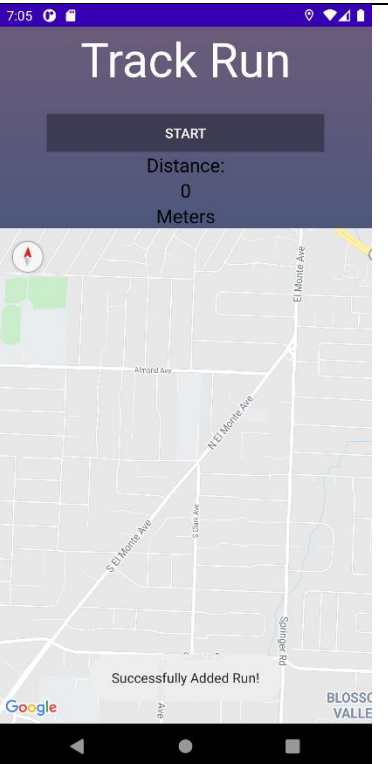




If the user tries adding a friend they have already added then the app notifies them that an error has occurred since the user cannot add friends twice.



To see the leaderboard select the Friends tab.

		<p>The progress of the users friends can be seen by selecting the “See Progress” button.</p>
		<p>The achievements of the users friends can be seen by selecting “See Achievements” on the progress page.</p>

		<p>Runs can be tracked on a scrollable map by selecting the “Start” button. The distance and route are displayed.</p>
		<p>When a user ends a run they are notified that it has been added to their progress with a notification.</p>

	 A screenshot of a mobile application titled "Track Run". The top status bar shows the time 7:05 and various icons. The app's header is dark blue with the title "Track Run" in white. Below the title is a dark grey button labeled "START". Underneath the button, it says "Distance: 0 Meters". The main part of the screen is a map from Google Maps showing a residential area with streets like Almond Ave, S El Monte Ave, N El Monte Ave, S Clark Ave, and El Monte Ave. A white location pin is on the map. A white toast message at the bottom of the map area says "Completed First Run!". The bottom of the screen shows the Android navigation bar.	<p>Additionally any new milestones awarded are also then notified to the users so they know about them.</p>
	 A screenshot of the same "Track Run" app. The UI elements (title, start button, distance) are identical to the first screenshot. However, the toast message at the bottom of the map area now says "New Record: 1.12 Kilometers!". The map and navigation bar are also the same.	<p>One interesting milestone is the "New Record" milestone that is awarded when the user breaks their distance record.</p>