

Test Cases Version 0.2.0

1 - Choose length of a route

Test case description: Choose length of route

Precondition: The application is installed and ready to run. Test steps

1. Launch the application.
2. Decide length of route
3. Press "Generate Run" button
4. Verify that the map is displayed
5. Press run
6. Run the given route
7. Verify that route length was within 10% more or less of decided distance

Related requirement: 1

2 - Choose unit for distance

Test case description: Choose unit for distance

Precondition: The application is installed and ready to run. Test steps

1. Launch the application
2. Press "Settings" button
3. Use dropdown and choose other unit than the one selected
4. Press "Save settings button"
5. Generate a run with arbitrary distance
6. Verify that distance is presented with the selected unit

Related requirement: 2

3 - Progress bar

Test case description: Progress bar

Precondition: The application is installed and ready to run. Test steps

1. Launch the application
2. Press "Generate Run" button
3. Verify that progress bar is shown

Related requirement: 3

4 - Choose area to run within

Test case description: Area to run within

Precondition: The application is installed and ready to run. Test steps

1. Launch the application
2. Decide length of route
3. Decide a radius from the current location that you don't want to get outside out
4. Press "Generate run" button
5. Verify that the map is displayed
6. Press run
7. Run the given route
8. Verify that the route resides in the area you specified

Related requirement: 4

5 - Generate new route once route is generated

Test case description: New route from running state

Precondition: The application is installed, running and the user has generated a run and the application is keeping track.

1. Press the "Stop Run" button or the Back button on the telephone.
2. Press Yes in the confirmation dialog
3. Decide the length of a route
4. Generate a new route by pressing "Generate Route" button
5. Verify the new route is different from the previous one (may require some memorizing)

Related requirement: 5

6 - Position in real-time

Test case description: Position in real-time

Precondition: The application is installed and ready to run. Test steps

1. Launch the application
2. Press "Generate run" button
3. Verify that the map is shown
4. Run the given route and verify that the position shown on the map is approximately the same as yours

Related requirement: 6

7 - Time for running session

Test case description: Time for running session

Precondition: The application is installed and ready to run. Test steps

1. Launch the application
2. Press "Generate Run" button
3. Press "Run" button
4. Check your watch
5. Run the route
6. Verify the time displayed is accurate compared to the time displayed on your watch

Related requirement: 7

8 - Generated path avoids highways

Test case description: Generated path should avoid highways

Precondition: The application is installed and ready to run. Test steps

1. Launch the application
2. Decide length of route
3. Press "Generate Run" button
4. Verify that the map is displayed
5. Press "Run" button
6. Verify that the given route does not involve highways

Related requirement: 8

9 - Choose start and stop point of route

Test case description: User should be able to choose start and stop point

Precondition: The application is installed and ready to run. Test steps

1. Launch the application

2. Choose a starting point
3. Choose a destination point
4. Press "Generate Run" button
5. Press "Run" button
6. Verify that the map is displayed
7. Run the route
8. Verify that the starting and destination points are the same as the ones you specified

Related requirement: 10