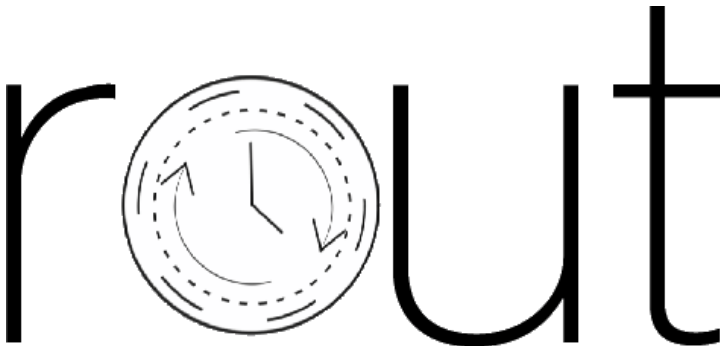

CS 30700 Sprint 3 Test Cases
04/23/2021

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Identification and Classification

Test Case 1:
System: Details page information, NewMap.js and Details.js
Viewing of details information after route has been generated
Severity: 2

Instructions:

1. Go to the main page (rout.link)
2. Click in the streets above “West Lafayette” on the google map to place a starting location
3. Click the input field with “Distance” in it and input 3
4. Click the “Enter” button
5. Scroll down and click the details button

Expected Results:

1. The information of the route should be displayed in the details component that popped up after clicking on the button.

Identification and Classification

Test Case 2:

System: Statistics page total calories, TotalCalories.js

Viewing of total number of calories burned over routes

Severity: 2

Instructions:

1. At main page (rout.link), click Login button button
2. At the login page, input information, username: a and password: a
3. At the login page, click login button
4. At the navbar, click Statistics page button

Expected Results:

1. Under the Calories section should be a display of the total calories.

Identification and Classification

Test Case 3:
System: Database pushing routes, NewMap.js
Route data is passed to database on save route
Severity: 2

Instructions:

1. At main page (rout.link), click Login button
2. At the login page, input information, username: a and password: a
3. At the login page, click login button
4. Follow instructions from Test Case: 1, where clicking the details button is not needed
5. Hover over “Choose route” button and click “Route (1) Blue” button
6. Click “Save” button
7. At the navbar, click Statistics page button

Expected Results:

1. Table with past routes under the Past Routes section in the statistics page should display the new route created.

Identification and Classification

Test Case 4:
System: Unique Code Generation, NewMap.js
Inputting saved route's unique code fetches saved route
Severity: 2

Instructions:

1. At the main page (rout.link), input a random distance in miles or kilometers between 1 and 20 and a random start point.
2. Generate the route.
3. Save the route and copy the code received from the alert.
4. Refresh page
5. Click load route
6. Paste copied code into the route ID field and click "Confirm"

Expected Results:

Displayed route is the same as the route initially generated in step 2.

Identification and Classification

Test Case 5:
System: Map algorithm, NewMap.js
Importing saved route from file
Severity: 3

Instructions:

1. At the main page (rout.link), input a random distance in miles or kilometers between 1 and 20.
2. Click “Enter” to generate a route
3. Click “Download Rout File” and open the resulting text file
4. Copy the contents of the file to the clipboard (CTRL+C)
5. Click “Load”
6. Paste the contents of the file in the field labelled “Sharing Code or Saved File Contents”
7. Click “Import Using Saved File”

Expected Results:

Displayed route is the same as the route initially generated in step 2.

Identification and Classification

Test Case 6:

System: Map algorithm, NewMap.js

Route algorithm produces a calculated pace for chosen route

Severity: 2

Instructions:

1. At the main page (rout.link), input any distance in miles or kilometers between 1 and 20.
2. Select a starting point
3. Click “Enter”
4. Once route has been generated, input a completion time
5. Click “Enter time”
6. Scroll down and click “Details”
7. View pace shown

Expected Results:

1. The calculated pace should display (min/mile).

Identification and Classification

Test Case 7:

System: Map algorithm, NewMap.js

Route algorithm produces a difficulty score for chosen route

Severity: 2

Instructions:

1. At the main page (rout.link), input any distance in miles or kilometers between 1 and 20.
2. Select a starting point
3. Click “Enter”
4. Scroll down and click “Details”
5. View the calculated difficulty score

Expected Results:

1. The difficulty score should display.

Identification and Classification

Test Case 8:
System: Map algorithm, NewMap.js
Street view is visible at important parts of route
Severity: 2

Instructions:

1. At the main page (rout.link), input any distance in miles or kilometers between 1 and 20.
2. Select a starting point
3. Click “Enter”
4. Click “Details”
5. Click “Prev”
6. Click “Next”
7. Continue clicking “Next” until the end of the route is reached

Expected Results:

1. No crashes and the street view moves to the turning points in the route.
2. The street view person on the map object also moves with the location of the street view.