Snow Much Fun Project Proposal

CSCI 3308 Software Development Tools and Methods

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User Acceptance Test Plans

Test 1 – Sign Up

Summary: We will test the user login capabilities to ensure that new users can login and to test that you cannot create a duplicate user (i.e. two users with the same user name).

Procedure:

- Open main page
- Click "Sign up Here" on left side bar
- Confirm redirect to create account page
- Confirm fields on page are editable
- Create a user by editing the fields and submitting the form
- Attempt to add the same user name
- Confirm that it refuses to make duplicate user

Automated Test Results:

Test 2 – Login

Summary: Confirm that existing users can login on the main page.

Procedure:

- Open the main page
- Confirm that user login fields (username and password) are editable
- Enter existing username and corresponding password
- Submit form
- Assert that user is logged in (with username field set)

Automated Test Results:

Test 3 – Activity Displays

Summary: A main feature of our website is displaying where certain activities are located on the map of Colorado. Users can select checkboxes to display which activities (climbing, biking, skiing, or hiking) should be displayed on the map.

Procedure:

- Open the main page
- Check that all activity boxes are clicked and activities are displayed
- Uncheck all the boxes to check that activities are removed from the map
- Start checking boxes again and confirm that activities are redisplayed
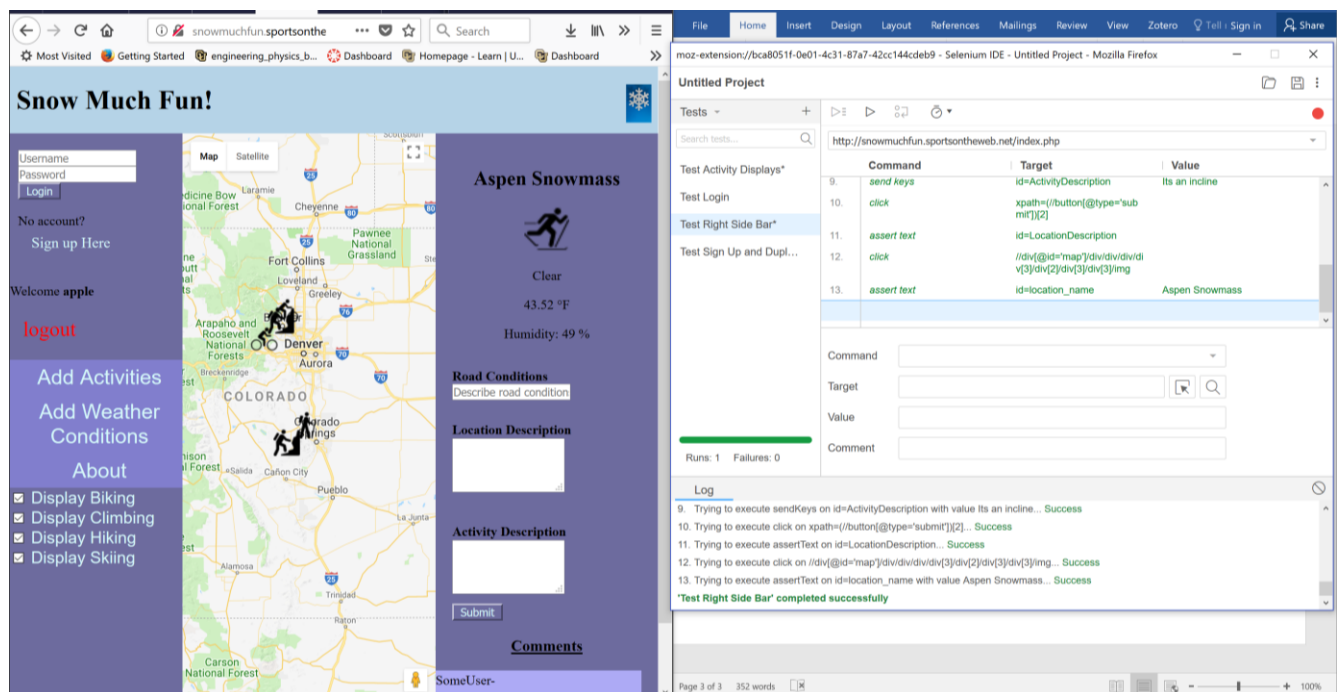
Automated Test Results:

Test 4 – Right Sidebar

Summary: The right sidebar shows the collected information regarding the location that the user selects on the map. We want to confirm that the right location is displayed and that the fields are editable.

Procedure:

- Open the main page
- Click on a drop pin location
- Confirm that the location listed on the right sidebar corresponds to the selected location
- Ensure that the fields are editable
- Submit a custom report using the right sidebar
- Click on another location on the map
- Ensure that the new sidebar title corresponds to the new location is selected

Automated Test Results:

Automated Test Cases

All above tests were automated using Selenium IDE for Firefox. The test code can be found in the file Milestone5_Unit_Testing in our github milestones folder. It can be run by loading the file into the IDE and hitting the run button at the top of the IDE.

In the above screenshots on the right is the Selenium IDE display with the test script and on the left is our website as the script is run (in the final configuration after the test script is run).