Test Case 1(TC01) – Gather data of location

Date of last test run: 3pm - 21/04/2016

Scenario: "Show measurements of location: user clicks on a weather station and the information should be captured from the main website and be presented in a table on the project website"

Test setup: Go to VIC page. Choose any group of letters and click it.

TC01-A: Click "A-B" and then click "Bundoora". Information/measurements of the Bundoora station will show in a table format.

TC01-B: Click "L-M" and then click "Laverton". Information/measurements of the Laverton station will show in a table format.

TC01-C: Match the information shown in Bundoora to "http://www.bom.gov.au/climate/dwo/IDCJDW3009.latest.shtml".

Match information shown in Laverton to "http://www.bom.gov.au/climate/dwo/IDCJDW3043.latest.shtml". To show that the data is captured, the data should match the one on the BOM website.

PASS

Test Case 2(TC02) – Store weather station to favourites

Scenario: "Saving favourite weather stations: user clicks on "favourite" icon next to their desired weather station to store it in the favourites tab. Station(s) should still exist when browser is restarted"

Test setup: Go to VIC page. Choose any group of letters and click it.

TC02-A: Select any letter and click the "+" to save to favourites, choose any two. They should have been saved into the database (no alert at this point in time)

TC02-B: Click "favourites" on the top bar and restart the browser back to the home page. Should be redirected to favourites page with names of the two stations that were selected in step B and once restarted should be back to the project homepage.

TC02-C: Click "favourites" on the top bar. The two stations previously seen and stored should still be showing.

PASS

Test Case 3(TC03) - Store measurements of favourite weather station

Date of last test run: 4:00pm - 21/04/2016

Scenario: "Store data from favourite station: user clicks on favourite on top bar of website and click on a previously saved weather station. All of the station information should show. Storing the information can be shown by virtue of the data being shown in the browser"

Test setup: Go to VIC page. Choose any group of letters and click it.

TC03-A: Select any letter(s) and click the "+" to save to favourites, choose one. They should have been saved into the database (no alert at this point in time)

TC03-B: Click "favourites". Should be redirected to favourites page with the name that was selected in step B.

TC03-C: Click the name of saved station. Extensive amount of information will show in a table format.

PASS

Test Case 4(TC04) - Weather station and data displayed in a separate window

Date of last test run: 4:30pm - 21/04/2016

Scenario: "Show measurements of station in popup: User clicks on a state/territory, once redirected the option to open the data/measurements in a table and in a different window."

Test setup: Click on "VIC" or the image above it.

TC04-A: Select any group of letters and station. Information should show up in a table in a separate window.

FAILED. The measurements do show in a table but only within the page, there is no option to open in a separate window.

Test Case 5(TC05) - Graph temperature history of favourites

Date of last test run: 5:00pm - 21/04/2016

Scenario: "Graph temp. history of favourite: user will select a favourite weather station and be able to see a graph of the history of measurements in the favourites tab"

Test setup: Click on "VIC" or the image above it. Click on any group of letters and click the "+" to save to favourites. Click on favourites at the top.

TC03-A: Click the name of saved station. Extensive amount of information will show in a table format.

TC03-B: Select view chart below the measurement table. A new window popup will open with a graph measuring the history of temperature for that specific station.

FAILED. The graph does show but the measurements do not match the history of the station favourite.

Test Case 6(TC06) – Refresh button

Date of last test run: 5:30pm - 21/04/2016

Scenario: "Refresh button: user should press the refresh button when looking at a weather station measurements and the information should update. Program should automatically refresh when web app starts"

Test setup: Click on "VIC" or the image above it.

TC06-A: Select any group of letters and station. Click the browser refresh button. The table should have values updated, values are generally the same within a specific time period but may still change.

TC06-B: Select another station. Click the browser refresh button. The table should have values updated, values are generally the same within a specific time period but may still change.

PASS.

Notes: The refresh button is done through the browser but acts exactly like one in the app would. Because the measurements are picked up every time the station is selected that means the values are also updated as well. Same can be said for refreshing the webapp itself whenever it is started.

Test Case 7(TC07) - Save state of favourites and charts

Date of last test run: 6:00pm - 21/04/2016

Scenario: "Save state of closed app: user will open up favourites and chart measurements and restart the browser, same favourites and charts must be opened in the same state they were closed"

Test setup: Start web app, click VIC, select letter and click "+" on any station name. Click "favourites" at the top.

TC07-A: Click the name of saved station AND view chart below the table. Extensive amount of information will show in a table format and a popup of the graph will show.

TC07-B: Restart browser and head to favourites page. Favourites should still be there and the previous open charts should pop up.

FAILED - SEE NOTES BELOW. The favourites are still saved but the charts that were open do not come back.

Notes: by virtue of how popups and session saving works, there is no way to distinguish between what chart the user wanted to open back up when the app restarts and which popups were closed because they wanted it closed. This would only work if the task is killed through Task Manager by which case the browser itself saves what was last open and by extension the popups would be back open. In this context the test case is considered a PASS.