Test Case 1(TC01) - Store weather station to favourites

Date of last test run: 3pm 29/05/2016

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"

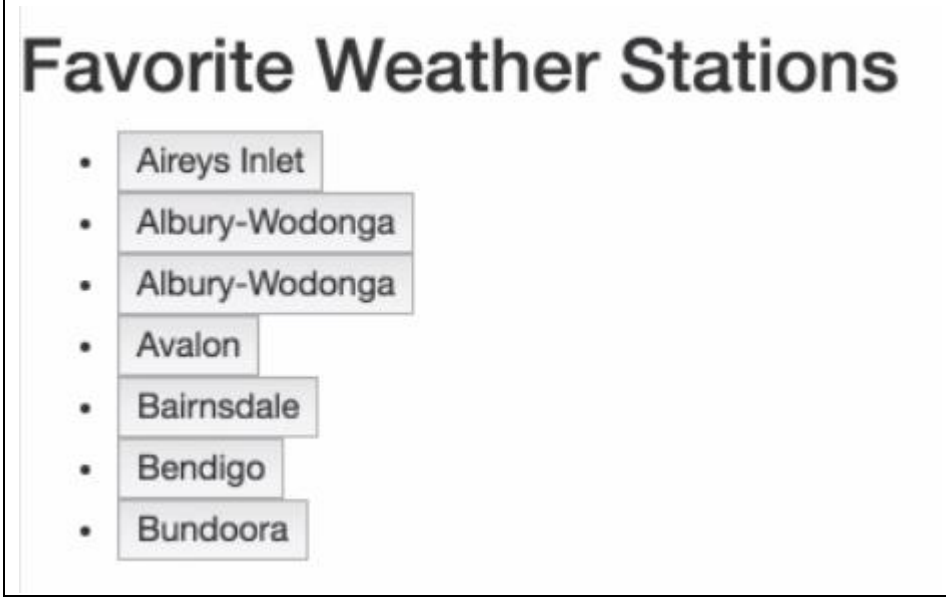
Test setup: Go to VIC page. Choose any group of letters and click it.

TC01-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)

TC01-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.

TC01-C: Click "favourites" on the top bar. The two stations previously seen and stored should still be showing.

PASS



Test Case 2(TC02) - 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"

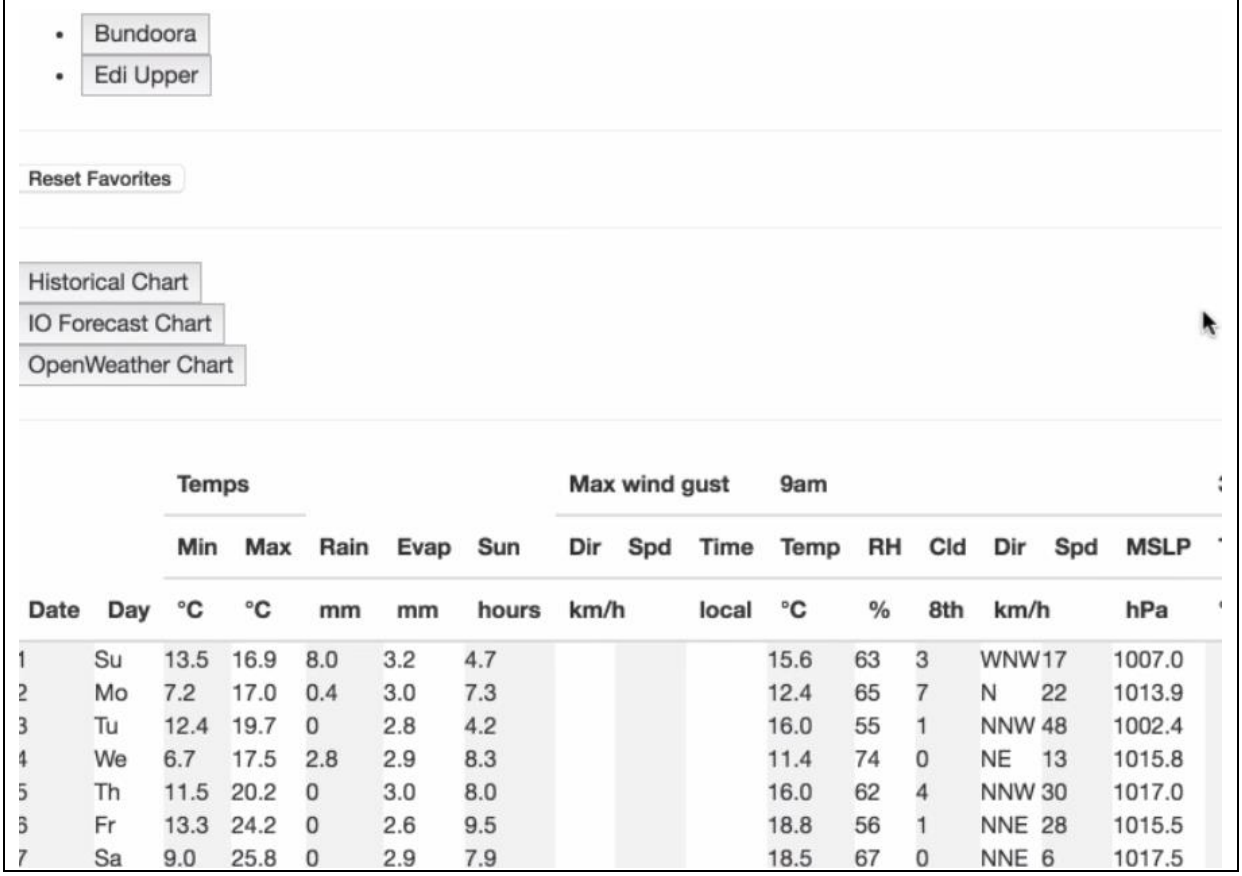
Test setup: Go to VIC page. Choose any group of letters and click it.

TC02-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)

TC02-B: Click "favourites". Should be redirected to favourites page with the name that was selected in step B.

TC02-C: Click the name of saved station. Extensive amount of information will show in a table format.

PASS



		Temps					Max wind gust			9am					
		Min	Max	Rain	Evap	Sun	Dir	Spd	Time	Temp	RH	Cld	Dir	Spd	MSLP
Date	Day	°C	°C	mm	mm	hours	km/h		local	°C	%	8th	km/h		hPa
1	Su	13.5	16.9	8.0	3.2	4.7				15.6	63	3	WNW	17	1007.0
2	Mo	7.2	17.0	0.4	3.0	7.3				12.4	65	7	N	22	1013.9
3	Tu	12.4	19.7	0	2.8	4.2				16.0	55	1	NNW	48	1002.4
4	We	6.7	17.5	2.8	2.9	8.3				11.4	74	0	NE	13	1015.8
5	Th	11.5	20.2	0	3.0	8.0				16.0	62	4	NNW	30	1017.0
6	Fr	13.3	24.2	0	2.6	9.5				18.8	56	1	NNE	28	1015.5
7	Sa	9.0	25.8	0	2.9	7.9				18.5	67	0	NNE	6	1017.5

<u>Test Case 3(TC03) - Weather station and data displayed in a separate window</u>

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.

TC03-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 4(TC04) - 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.

TC04-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.

TC04-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 5(TC05) - 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.

TC05-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.

TC05-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**.

Test Case 6(TC06) - 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.

TC06-A: Click the name of saved station. Extensive amount of information will show in a table format.

TC06-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.

PASS.

Test Case 7(TC07) - Gather historical data of a 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

Bundoora, Victoria
May 2016 Daily Weather Observations

Most observations from Bundoora, but some from Viewbank.

Date	Day	Temps		Rain	Evap	Sun	Max wind gust			9 am					
		Min	Max				Dir	Spd	Time	Temp	RH	Cld	Dir	Spd	MSLP
		°C	°C	mm	mm	hours		km/h	local	°C	%	8th		km/h	hPa
1	Su	13.5	16.9	8.0	3.2	4.7				15.6	63	3	WNW	17	1007.0
2	Mo	7.2	17.0	0.4	3.0	7.3				12.4	65	7	N	22	1013.9
3	Tu	12.4	19.7	0	2.8	4.2				16.0	55	1	NNW	48	1002.4
4	We	6.7	17.5	2.8	2.9	8.3				11.4	74	0	NE	13	1015.8
5	Th	11.5	20.2	0	3.0	8.0				16.0	62	4	NNW	30	1017.0
6	Fr	13.3	24.2	0	2.6	9.5				18.8	56	1	NNE	28	1015.5
7	Sa	9.0	25.8	0	2.9	7.9				18.5	67	0	NNE	6	1017.5

Station Name: Bundoora

Historical Data
Forecast: IO Forecast
Forecast: OpenWeather
Historical Chart
IO Forecast Chart
OpenWeather Chart

Date	Day	Temps		Rain	Evap	Sun	Max wind gust			9am					
		Min	Max				Dir	Spd	Time	Temp	RH	Cld	Dir	Spd	MSLP
		°C	°C	mm	mm	hours	km/h		local	°C	%	8th	km/h		hPa
1	Su	13.5	16.9	8.0	3.2	4.7				15.6	63	3	WNW	17	1007.0
2	Mo	7.2	17.0	0.4	3.0	7.3				12.4	65	7	N	22	1013.9
3	Tu	12.4	19.7	0	2.8	4.2				16.0	55	1	NNW	48	1002.4
4	We	6.7	17.5	2.8	2.9	8.3				11.4	74	0	NE	13	1015.8
5	Th	11.5	20.2	0	3.0	8.0				16.0	62	4	NNW	30	1017.0
6	Fr	13.3	24.2	0	2.6	9.5				18.8	56	1	NNE	28	1015.5
7	Sa	9.0	25.8	0	2.9	7.9				18.5	67	0	NNE	6	1017.5

<u>Test Case 8(TC08) - Gather and integrate forecast information</u>

Date of last test run: 3pm - 29/05/2016

Scenario: "Show forecast of location: user clicks on a weather station and clicks on "Forecast: IO Forecast" the information should be captured from forecast.io and be presented in a table on the project website"

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

TC08-A: Click "A-B" and then click "Aireys Inlet". Information/measurements of the Aireys Inlet station will show in a table format. (Date, Summary, Min/Max temp and Humidity)

TC08-B: Click "L-M" and then click "Laverton".
Information/measurements of the Laverton station will show in a table format. (Date, Summary, Min/Max temp and Humidity)

TC08-C: Match the information shown in Aireys Inlet to "http://forecast.io/#/f/-37.8000,144.9000".
Match information shown in Laverton to "http://forecast.io/#/f/-37.8594,144.7671". To show that the data is captured, the data should match the one on the forecast.io website.

PASS

Test Case 9(TC09) - Display forecast values in a table

Date of last test run: 4:30pm - 29/05/2016

Scenario: "Display distinctly forecast information: User clicks on a state/territory, once redirected, click the "IO Forecast" button to open up the table, all forecast measurements should be shown."

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

TC09-A: Select any group of letters and station. Information should show up in a table in a separate window. In this case "Aireys Inlet" was chosen.

PASS.

Date	Summary	MinTemp	MaxTemp	Humidity
29 May	Foggy until evening.	11.33	16.08	0.92
30 May	Overcast throughout the day.	10.32	16.49	0.87
31 May	Mostly cloudy until afternoon.	6.61	15.93	0.8
01 Jun	Mostly cloudy throughout the day.	5.08	16.39	0.78
02 Jun	Mostly cloudy throughout the day.	5.58	15.33	0.76
03 Jun	Mostly cloudy throughout the day.	6.37	14.98	0.76
04 Jun	Mostly cloudy throughout the day.	5.55	11.72	0.81

Test Case 10(TC10) - Manipulate graph with different data

Date of last test run: 9pm - 29/05/2016

Scenario: "Ability to manipulate data: when the user views the chart, checkboxes should be available and able to be clicked to manipulate the view of the chart.

Test setup: User clicks on a weather station and clicks on "Observation Data", then "VIEW CHART".

TC10-A: User should be able to select any value available from BoM and it should update the graph in real time.

FAILED. There is no option to manipulate the graph via checkboxes.

Test Case 11(TC11) - Zoom in and out of graph

Date of last test run: 9pm - 29/05/2016

Scenario: "Ability to zoom in and out of graph: when the user views the graph a zoom in option should work to enable different levels of detail "

Test setup: User clicks on a weather station and clicks on "Observation Data", then "VIEW CHART".

TC10-A: User should click the zoom in button on the graph to get a closer look at a specific time - the graph should change from daily to hourly.

FAILED. There is no option to zoom in.

Test Case 12(TC12) - Determine between historical and forecast data

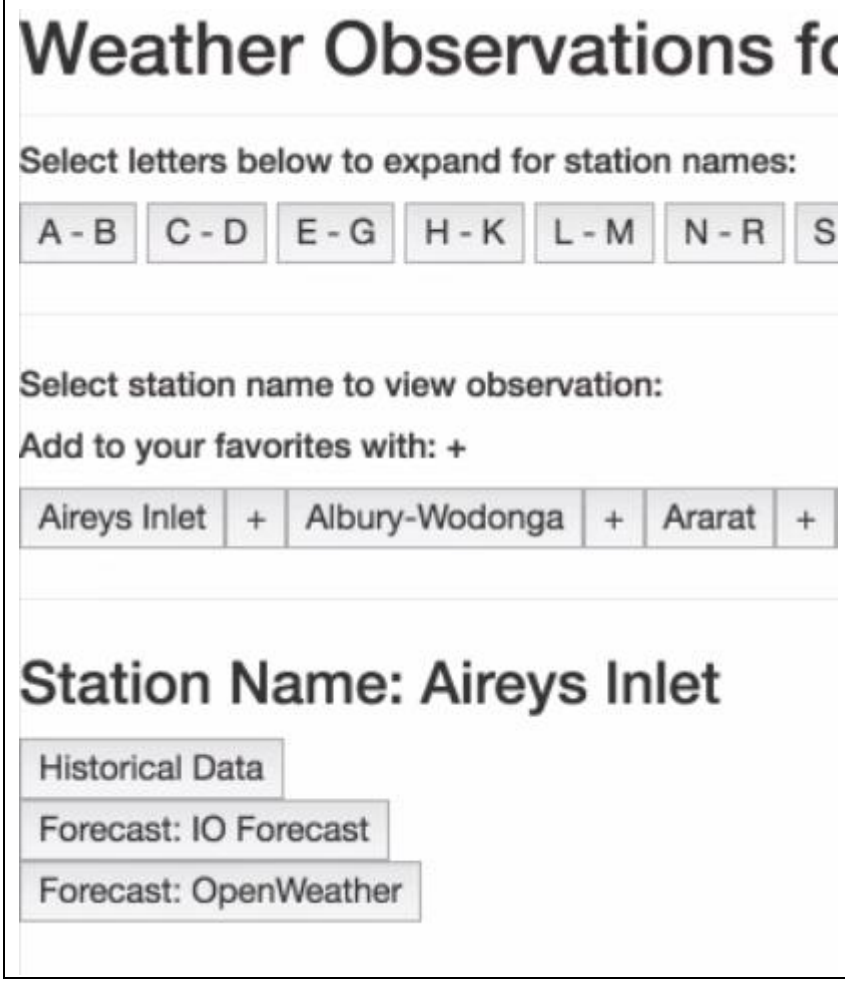
Date of last test run: 1pm - 29/05/2016

Scenario: "Differentiate between historical/forecast data": when user chooses a weather station, it should be easily determinable what is historical data and what is forecast data."

Test setup: User clicks on a State, then a button with letter(s) and then a weather station.

TC10-A: When the user clicks a weather station they should find two boxes, one labelled "Historical Data" and another labelled "Forecast: IO forecast".

PASS.



UNRESOLVED ISSUES

Bug Nº1

BUG NAME

Unresolved/Unreferenced "google" variable

BUG DETAILS

Found in version	v2
Project component	-
Type	Usability
Created	2016-05-29 16:08:56 UTC
Reporter	a-cheong
Severity	Trivial
Reproducibility	Always

METADATA

None

TAGS

None

PLATFORM DETAILS

Device type	Windows PC
Model	Asus Generic/All
OS	Windows 8.1
Browser	Chrome Latest

Edit

Bug information

DESCRIPTION

Web app shows an "Uncaught SyntaxError: Unexpected token function" when inspecting and going to the "Console". The error causes no problems in terms of functionality of the website.

Different computer or browser may show "Uncaught referenceError: google is not defined" instead of the above error.

EXPECTED RESULTS

When inspecting the webapp there should be no error in the Console part.

STEPS TO REPRODUCE

1. Open up browser (Chrome in this case)
2. Type in "http://sept-weather.ddns.net/" without quotes in the URL box and press "Enter"
3. Right-click anywhere in the website and click on "Inspect"
4. Click on "Console" (between Elements and Sources)
5. The error should show there.

Edit

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