TEST CASES

Test Case ID	Test Case #01
Test Case Summary	To test if a user can store/add a station into their favourites list
Related Requirement	1. The system should allow users to select weather stations they want to keep track of (their favourites) - these should be stored by the program for when the program starts again.
Prerequisites	- User has cookies enabled on their browser
Test Procedure	1. Navigate to a station 2. Click “Add to Favourites” 3. Click “My Favourites” in top menu 4. Click station which was just added
Test Data	1. Repeated with Casey, Antarctica. 2. Repeated with adding two stations before visiting the “My Favourites” page, two stations were Braidwood, Canberra and Bega, New South Wales. 3. Repeated with adding three stations before visiting the “My Favourites” page, stations were Leigh Creek, South Australia, Smithton, Tasmania and Lake St Clair, Tasmania.
Expected Result	Casey Antarctica shows on the list by itself. The other test data which were tested will show up on the My Favourites Page with all the other stations they were “favourited” with. All the stations in the “My Favourites” page when clicked show correct details about the weather at that station.
Actual Result	As expected
Status	Success
Remarks	-
Created By	Alex O’Shannessy
Date of Creation	12/4/16
Executed By	Miguel Pasa
Date of Execution	18/4/16
Test Environment	- OS: Microsoft Windows 10 - Browser: Google Chrome Version 49.0.2623.112 m

Test Case ID	Test Case #02
Test Case Summary	To test if a user can easily view a chart with associated data in a different window
Related Requirement	2. The weather stations and the associated data are displayed as a chart in a separate window.
Prerequisites	-
Test Procedure	1. Visit a station's weather details page. 2. Click "Display Charts".
Test Data	1. Repeated with Goulburn Airport, Canberra 2. Repeated with Carnamah, Western Australia 3. Repeated with Echuca, Victoria 4. Repeated with Mirnyj, Antarctica while the chart window of Echuca, Victoria was still open
Expected Result	All three stations show charts which are accurate. Clicking on the other chart views (12 hours/ 24 hours) change the chart to that specific view. Clicking on different data (Wind/Pressure/Rainfall) changes the chart to show the information relevant. For the 4th test sample, the Mirnyj chart will overwrite the window with the Echuca chart and not open a new window.
Actual Result	As expected.
Status	Success
Remarks	-
Created By	Janith Muthuhetti
Date of Creation	20/4/16
Executed By	Miguel Pasa
Date of Execution	22/4/16
Test Environment	- OS: Microsoft Windows 10 - Browser: Google Chrome Version 49.0.2623.112 m

Test Case ID	Test Case #03
Test Case Summary	To test if a user can view more information about a “favourited” station compared to a non favourited station
Related Requirement	3. When a favourite is chosen, the program should get as much weather information about it as possible from the BOM site. The information you retrieve should be stored in by your program so that a record of temperatures can be created and viewed.
Prerequisites	- User’s My favourites list must not be empty
Test Procedure	1. Click on “My Favourites” list. 2. Click on a station in the list. 3. Inspect the page to see if all the details are shown. 4. Click off the page. 5. Wait until the next weather details update has arrived from the station. 6. Inspect the page again to see if the data was stored and can be viewed. Also compare it to a non favourited page, to see if it displays more.
Test Data	1. Repeated with Casey Skiway South, Antarctica 2. Repeated with Mount Ginini, Canberra 3. Repeated with Bulman, Northern Territory
Expected Result	All three stations will show the maximum amount of information when favourited, and compared to stations which aren’t on the “My Favourites” list, they show more information. It also stores previous data and can be viewed.
Actual Result	As expected. The user’s favourites will display more than the non favourites. Previous storage data from that station will also be available to view.
Status	Success
Remarks	-
Created By	
Date of Creation	
Executed By	Miguel Pasa
Date of Execution	18/4/16
Test Environment	- OS: Microsoft Windows 10 - Browser: Google Chrome Version 49.0.2623.112 m

Test Case ID	Test Case #04
Test Case Summary	To test if a user can view enough information for a station easily
Related Requirement	4. The minimum information that should be presented… a. Each location records a number of different measurements - these should all be captured from the web site and stored/presented to the user. For example (Laverton, Victoria) can be found here: http://www.bom.gov.au/climate/dwo/IDCJDW3043.latest.shtml. b. The program should be able to graph the temperature history for each site in the favourites list, including the max, min, 9am and 3pm
Prerequisites	-
Test Procedure	1. View a station's weather details page 2. Inspect the page to see if it contains the minimum information needed
Test Data	1. Repeated with Casey Skiway South, Antarctica 2. Repeated with Mount Ginini, Canberra 3. Repeated with Bulman, Northern Territory
Expected Result	All three stations will show the minimum amount of information.
Actual Result	As expected. The user should easily be able to find the information, read and understand it.
Status	Success
Remarks	-
Created By	Janith Muthuhetti
Date of Creation	20/4/16
Executed By	Miguel Pasa
Date of Execution	22/4/16
Test Environment	- OS: Microsoft Windows 10 - Browser: Google Chrome Version 49.0.2623.112 m

Test Case ID	Test Case #05
Test Case Summary	To test if a user can user the refresh button to check if updated information is available.
Related Requirement	5. The program should have either a refresh button (to check if updated information is available) or a continually running background thread that automatically refreshes the information. The information should be automatically refreshed when the program starts up.
Prerequisites	-
Test Procedure	1. Navigate to a station's weather details 2. Click the refresh button 3. Leave site open until next station update has come in 4. Click the refresh button again
Test Data	1. Repeated with Carnamah, Western Australia 2. Repeated with Ulladulla, Canberra 3. Repeated with Cobar, New South Wales
Expected Result	When a new update has come through, clicking the refresh button will result in the page's details being updated to match the new results that have just come through.
Actual Result	As expected. The refresh button will update the website as intended.
Status	Success
Remarks	-
Created By	Janith Muthuhetti
Date of Creation	21/4/16
Executed By	Miguel Pasa
Date of Execution	22/4/16
Test Environment	- OS: Microsoft Windows 10 - Browser: Google Chrome Version 49.0.2623.112 m

Test Case ID	Test Case #06
Test Case Summary	To test if windows will open as they were last left when the app was closed.
Related Requirement	6. Management of Windows - for web app, reopen all windows as before (e.g. any charts that were open when you last closed the app must be reopened on next startup)
Prerequisites	-
Test Procedure	1. Navigate to a specific page on the website 2. Close the website tab 3. Reopen the website
Test Data	1. Repeated with Home page 2. Repeated with Smithton, Tasmania weather details page 3. Repeated with Kadina, South Australia weather details page and it's charts page. 4. Repeated with "My Favourites" page
Expected Result	When closing from each page, and reopening, it should reopen back to the previous page the website was on.
Actual Result	As expected, each page reloaded back on when the website loaded back on again after it got closed.
Status	Success
Remarks	-
Created By	Janith Muthuhetti
Date of Creation	21/4/16
Executed By	Miguel Pasa
Date of Execution	22/4/16
Test Environment	- OS: Microsoft Windows 10 - Browser: Google Chrome Version 49.0.2623.112 m