User stories

Epic story

As an end user i want to be able to obtain detailed data on weather information pertaining to different locations throughout Australia.

INVEST stories
Independant | Negotiable |Value|Estimable|Small|Testable stories

1. As a user I want to be able to get up to date weather information on my nearest weather station so I can know what to wear outside.
2. As a user I can list all available weather stations by state
3. As a user I can list all available weather stations by suburb
4. As a user I can list all available weather stations by nearest to my current location
5. As a user I want to be able to search for weather stations by name / suburb / state / current temp
6. As a user I want to be able to save a few favorite weather stations that I can immediately see when I go to check the weather.
7. As a user I want to get information on what the weather feels like outside (Take into account windchill, humidity eg Real feel from accuweather)

8. As a regular returning user i would like the application to store my favorites so that next time i return to the application, i can choose my options right away.
9.As a frustrated user i would like to report errors pertaining to the application so that they can be fixed by the next time i visit the application.
10. As an end user i would like the screen size of the application window to scale to my screen size so that its easier to view all the information at once.

11. As a user I want the program to look good so that it will be a comfortable experience
12. As a user I want the program to have good user interface so that it isn't stressful to have to navigate to where I want

Requirements

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.
2. The weather stations and the associated data are displayed as a chart in a separate window.
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.
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.

5. The program should be able to graph the temperature history for each site in the favourites list, including the max, min, 9am and 3pm temperatures.

6. 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.

7. Management of windows: You should record the screen position of any windows when the application quits, so that the windows will reappear in the same location when the program restarts. You will need to think about how your program will cope when it is run on another computer with a different number of monitors or monitor sizes.

Use Case Diagram