

# Weather Observation Retriever

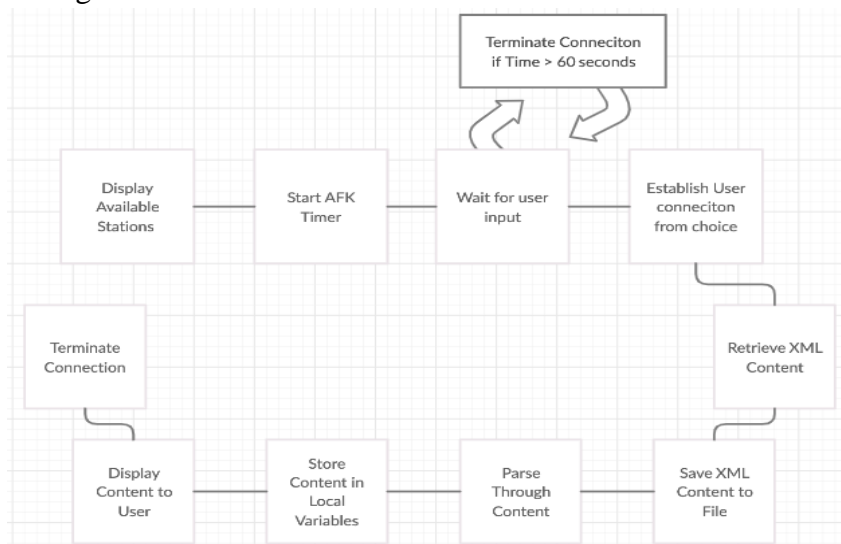
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## Description:

This program offers the user a list of weather stations from which he/she can choose from. It then takes the user input to go to that station, collects the weather data, and then outputs the data to readable form. If the user opens the application and doesn't select a station, an incorporated timer of 60 seconds will time out the application and close it.

## Build Process:

- Creates a menu for the user to choose what weather station they would like to receive information from.
- Implements a method that takes the user input, gets the host information, constructs a socket and connects it to the server.
- Creates a local file to store the XML file from the server.
- Parses XML data to find appropriate weather data tags.
- Parses tags to retrieve the specific weather data.
- Prints in string format the weather data of the desired station.



## Known Errors:

- After an invalid menu input is entered, the program will connect to the server, then disconnect without displaying any information. Ideally, this server connection would not take place at all.

## Future Version Features:

- Would include a more efficient function to parse the weather data tags.
- Would include a continuation of the program where the user could select additional weather stations.