Assignment 2 Project Plan

All work will be committed to the github repository at: LINK

UML Diagrams will be created using UMLet

Design:

*The user can choose to view the temperature and/or rainfall at locations selected from those supported by the MelbourneWeather2 web service. For each location, a separate monitor must be created. Your program should check the web service every five minutes, and update the monitor(s) as needed. The numerical temperature and/or rainfall data should be shown in the monitors for the locations being viewed.*

*The user can choose to view the weather for more than one location simultaneously.*

*The user can choose to stop viewing the weather for a location. The GUI design for this system is up to you. You must minimize the network traffic generated by your system: don’t access the web service more than is absolutely necessary. When designing your system, you should bear in mind that extensions to this functionality are expected in Stage Two. In particular:*

*You might be required to have more than one kind of monitor for the same location at the same time.*

*You might have to display the data in a non­numerical format.*

*You might be required to support a new web service that supplies the same sort of data, but not necessarily in the same way.*

**Pre-req:**

Set up java web server client

Clone repository

UML documents stored temporarily on Drive (push to repository later)

**Diagams:**

Class diagram: Weather package (Observer classes), GUI package (Needed? Clarification?)

Overall package diagram

Communication Diagram:

“System displays a list of weather locations”

“System displays temp/rainfall in selected location”

**Implementation steps:**

* Create base classes with signatures for controller and observer design pattern
* Fill in method/logic for fetching data from web system and outputting it
* Create GUI package that captures data and displays it (can be done last assuming design is correct?)

UML Design Documents

|  |  |  |
| --- | --- | --- |
| Task | Due | Responsible |
| Package Diagram |  |  |
| Class Diagram (for each package we will develop) |  |  |
| Communication Diagrams (for specified functionalities) |  |  |

# UML Design Documents Planning