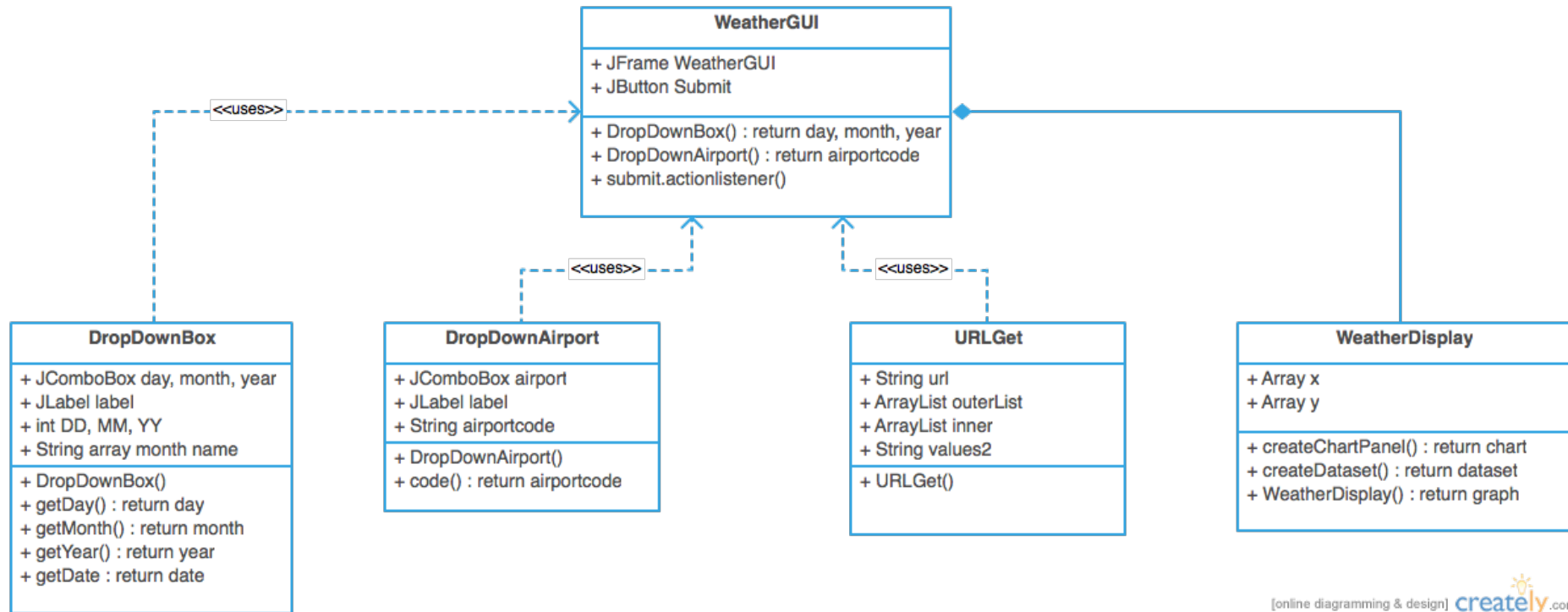


WEATHER APPLICATION DATA

COM6516 : OBJECT ORIENTED PROGRAMMING AND SOFTWARE DESIGN

QURRATU AINI ZAINI // ACP14QAZ

WEATHER DATA APPLICATION UML CLASS DIAGRAM



DESIGN

There is no specific approach to this application. This application uses one external library which is the Jfreechart available on SourceForge. The design is a simple layout asking the user to insert the date & airport required to generate the graph. Boxes for airport & date are done separately to add to the layout properly. Another class is created to retrieve the data from URL and a class is also created for the graph. The method used to retrieve the data and store in an ArrayList is rather exhaustive and repetitive, but there was no other way since the approach was more of a very beginner programmer (I am not very good in programming).

To run on Java command, do the command **"javac -cp jfreechart.jar:jcommon.jar:. WeatherGUI.java"** to ensure that the external libraries are included in the running process to prevent error.

TESTING BEHAVIOUR

Started the testing by making sure that every individual component work as individual before making it as a method. It is then appended into WeatherGUI.java so that it could run from only one file. The only method of testing was making sure that each component works by running it before adding to the main class.