CS5306 - Fall 2017 Lab 3 - A Weather Client Using XML

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Compile and Run Instructions:

The project can be run and compiled using a Java IDE like Eclipse or using command prompt. Import the project in the workspace or execute following commands in cmd:

1. javac WeatherClient.java
2. java WeatherClient

In the GUI that launches, enter a latitude and longitude -> Click on ‘Send/Refresh’ button. Click on Exit button to close the application.

Assumptions:

The web service at weather.gov either returns a successful xml response enclosed within <dwml></dwml> tags or an error xml response enclosed within <error></error> tags

References:

1. https://graphical.weather.gov/xml/rest.php
2. https://www.tutorialspoint.com/java\_xml/java\_dom\_parse\_document.htm
3. <https://www.programcreek.com/java-api-examples/javax.net.ssl.SSLSocketFactory>
4. <https://www.javatpoint.com/java-swing>