1. Create account in [https://openweathermap.org/api](https://openweathermap.org/api" \t "https://mail.google.com/mail/u/0/" \l "inbox/_blank)

2. Get API access key

3. Make a multi-threaded program to connect to API

3a. Locations to be monitored should be placed in configuration file

3b. configruation file should have refresh frequency (for free api, you should not make more than 60 per minute.. so make not more than 5 per minute..)

4. One thread to download 5 days/3 hour forecast

5. One thread to download weather maps

6. All data should be stored in database (mongodb) as seperate collections/table

7. One thread to open the latest weather map and display the map in window (should show last image as per last time stamp)

8. Forecast threads should print out alerts if there is rain/snow or freeezing temperatures (IMG_2562 def farenheit) in any of forecast period

9, See if you use graph API to display forecast/previous 10 day data from database as a graph (prebuilt libraries are there to do this)

Once you complete the challenge, pl push the code to the Github.

You can also do a small presentation and do a screen recording and push it to the YouTube / Heroku and send me that link too.