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Project Title: OO Weather Station

Plan for the Next Iteration

Estimated time till design completion: 1.5 weeks

We already have the UI, project structure, API/DB all completely set up. Therefore we estimate that we will have the project done by Monday, April 25. All that needs to be done now is the visualization/modification of the data on the different JSPs, as well as the set up of our SQL database. The SQL database will be completed no later than Sunday, April 17. Moreover, this will be the implementation of the four design patterns that we described in project five. We anticipate working on MVC (which handles the choice of city, to forward to appropriate webpage) & Abstract factory (which handles the total data display for individual cities, which are the factories) implementations first and finish those by the end of day on Friday, April 22. Then to wrap up the miniscule data visualizations, we will implement Template (used in the filtering of display of data) & Observer patterns (used to indicate the severe weather warning updates) by Monday, April 25. If time permits (and we are underestimating how much time we need for the project requirements), we are thinking about implementing a JUnit testing system for our web application. We plan to have our full project design implemented by the 27th of April. In this complete implementation, we will have the 6 major US cities displayed on the home page, which are all clickable to go to their own data visualization pages. On each of these city pages, we will display the current: temperature, wind speed, precipitation, and humidity. Moreover, you will be able to see present, future, and past forecasts for these cities (all of this data will be pulled from the PostgreSQL DB, which will be live and updating). On these pages there will be an option to filter the data that you are viewing, and there will also be a severe weather warning indicator on each page.