Project 3 - Weather Predictions

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Reflection

Adherence to the original design

From the beginning of the project we designed the application with certain expectation of how it will all play out. But ultimately, there was information that we did not know about in regards to of how all the models and controllers would easily interact.

Once we got into the project, the design allowed us to break up the project into assignable sections that we tackled. In the ‘small’ each programmer made their own decisions about how the calculations would be performed and how controllers did their task. But we each constantly looked to the design as to how the final output was meant to be structured.

All in all, the design was the bases of how the sections we each built would interact and what the models and controllers expected and we stayed true to that in order to make remote work easy and hassle free.

We added new methods into some of the classes as helper methods and shared methods defined in parents where created as it made sense from a design perspective.

Design Change notes:

Component Diagram

- Distinction between model, controller and scripts
- Better organization
- Each model has been better detailed and the provided and required interface have been shown.

Class Diagram

- Adjust classes to the final structure of the implementation.

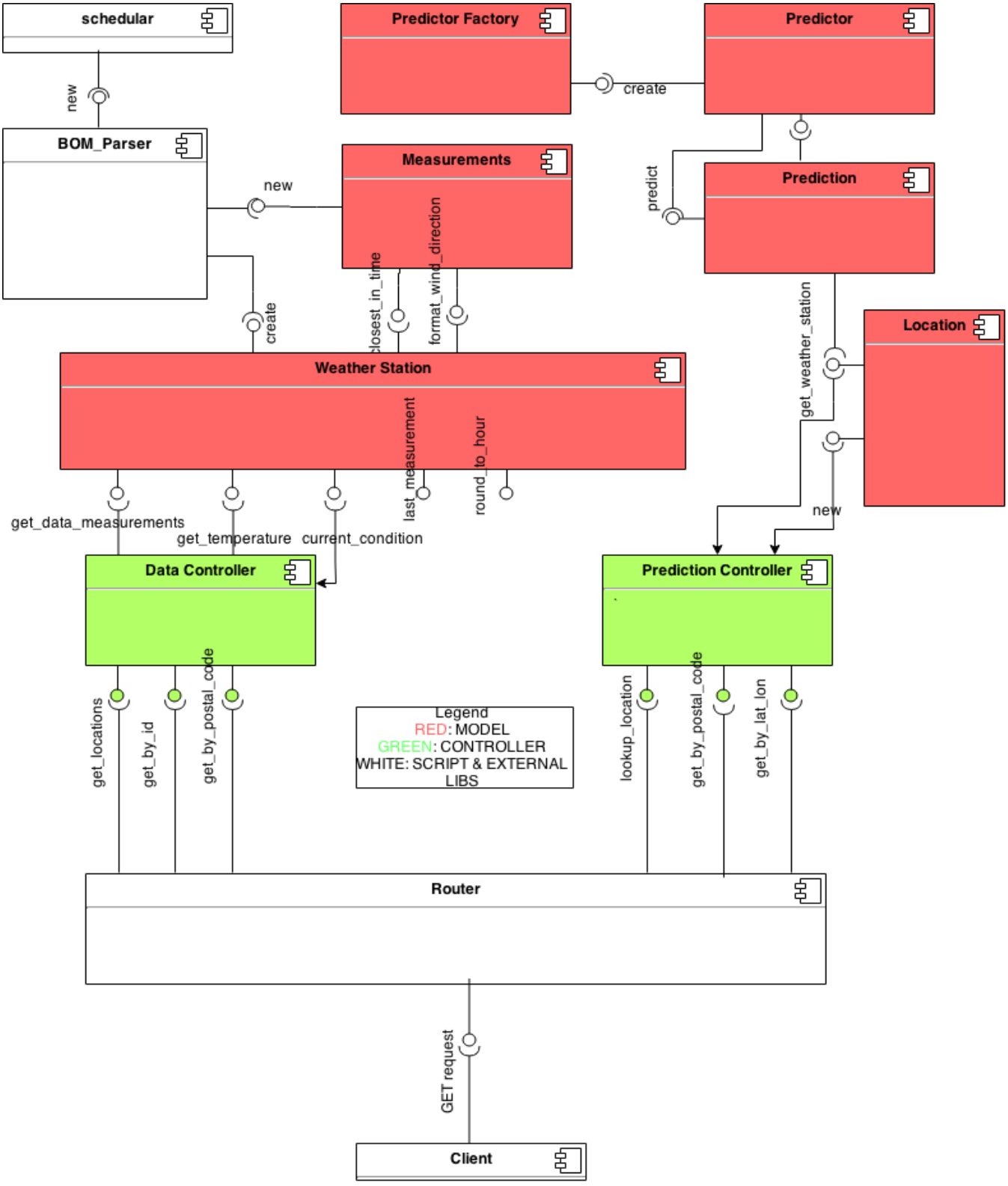
    - Method names are more ruby specific
    - unconsidered methods have been added
    - method return types have been included
- Class distinction between model, controller and script has been made for ease of reading.

Sequence Diagrams

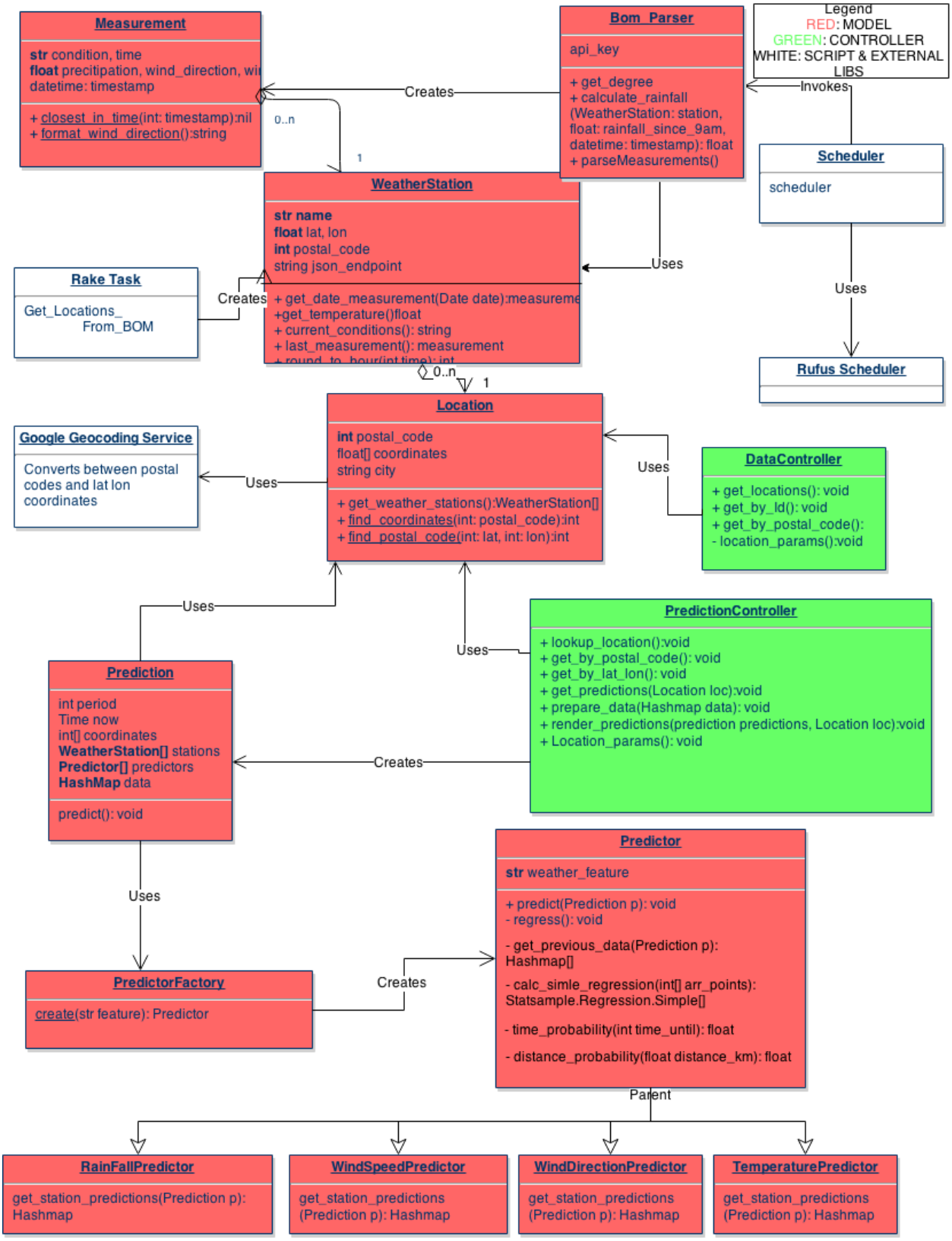
- More detail has been included
    - More detailed calls and returns
- Method returns have been added
- Sequence frames have been added to be more explicit about code segments

Diagrams

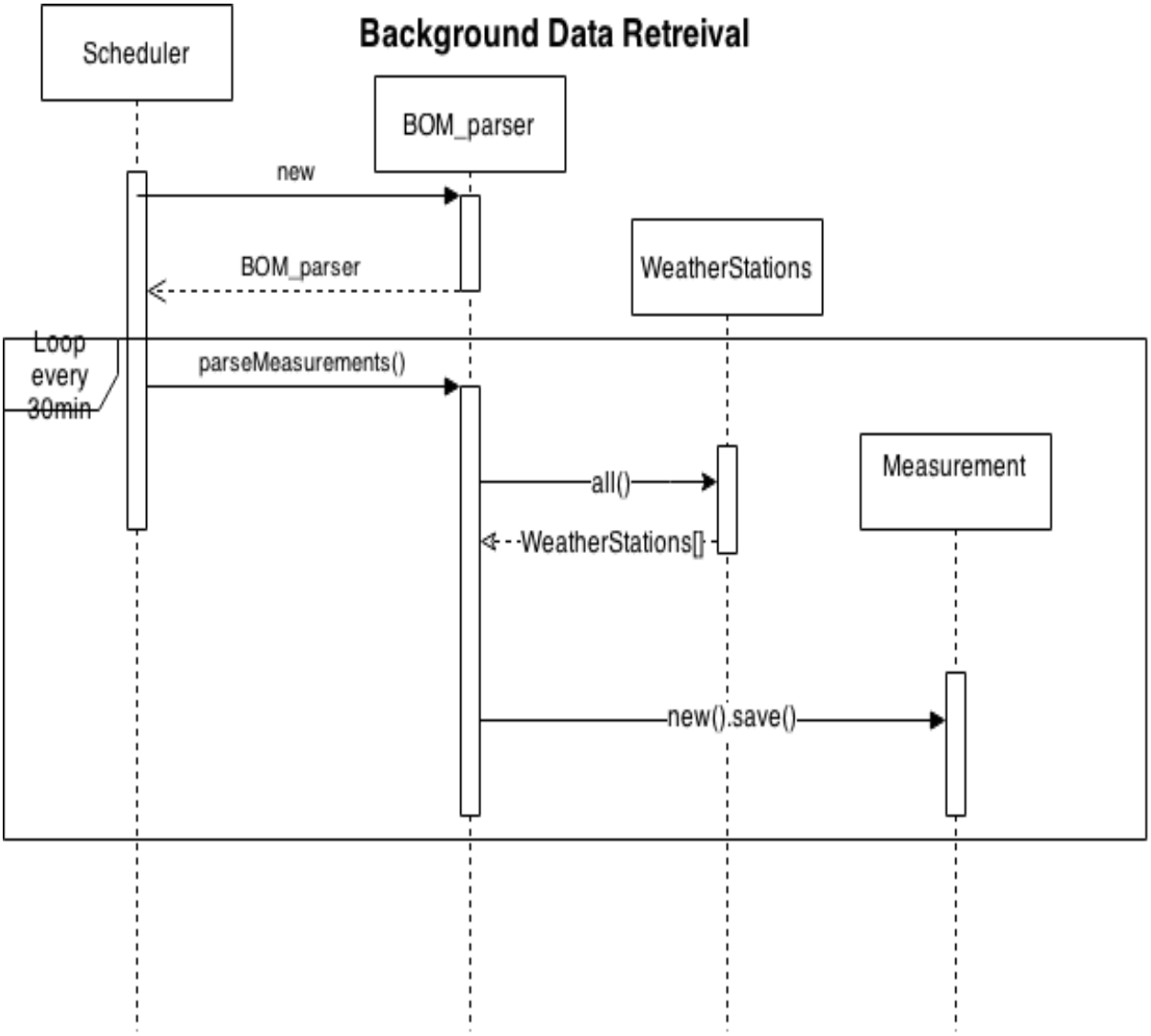
Component Diagram



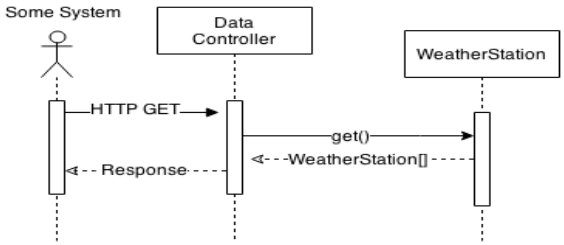
Class Diagrams



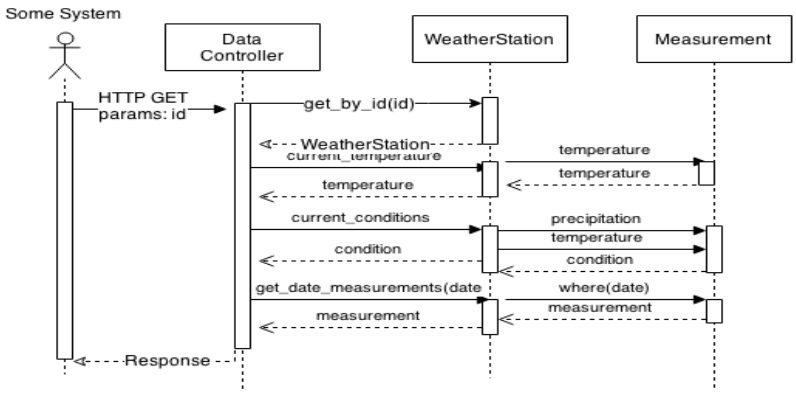
Sequence Diagrams



Retrieve all locations



Retrieve one location by ID



Retrieve prediction by lat/lon and period