

Project Idea:

Create an app that gets air quality data and pollen information for various New Hampshire locations, and generates a text report based on the air quality information and the pollen information of the various plant species.

Scope:

Focus on gathering data based on locations in New Hampshire, and generating a report in text/ascii form.

Stakeholders:

Users with environmental and health concerns

Governmental offices

UNH faculty/students

Internal Systems:

Saving a set of allergies

Set of New Hampshire locations to choose from

Generation of data report

Poetry

External Systems:

Google pollen and air quality API

Github

Dataset:

Location based Pollen information from Google Weather API

Location based Air Quality from Google Maps API

Both datasets are hourly

Requested every time a user asks for a report

Milestones:

Getting pollen and air quality data from the google API based on GPS

Generation of data report

Outputting report to the CLI

Division of Labor By Week:

10/20 - 10/26

Domain modeling - Matti

System diagram - Jackie

Domain class diagram - Jackie

System sequence diagram - Matti

10/27 - 11/02

Data set of New Hampshire locations - Jackie

API requests working - Matti

11/03 - 11/9

Extracting information from the API requests - Jackie

Making API requests based on data set - Matti

11/10 - 11/16

Organization of data - Jackie

Saving allergy information - Matti

11/17 - 11/23

User input for allergy information - Jackie

User input for location selection - Matti

11/24 - 11/30

Outputting report to CLI - Matti/Jackie

11/30 - 12/7

Refactoring - Matti/Jackie

Debugging - Matti/Jackie