

Updated Schema Specifications
Urban Green Stormwater Infrastructure
Group 4

Domain classes:

Photo_upload
Researcher
Users

Domain Class: Photo_upload

- Latitude - double, latitude coordinate
- Longitude - double, longitude coordinate
- Category - String, type of green space
- Date - Date, date photo was taken
- Time - long, time of incident
- File_uri - String, URI path to photo
- Username - String, username of uploader (stretch goal)

The Photo_upload schema holds all data associated with the location. The latitude and longitude data is the primary data type used to differentiate between locations, and is a required field. Date and time are the only other fields that are required. Other data fields can include more information such as a picture (in the file URI), category of green space, and in the future the username of the uploader.

Domain Class: Researcher

- Username - String, login username
- Password - String, login password
- Approved - int, number of locations/pictures approved

The researcher table holds credentials and some additional information about the researchers/administrators that will be using the app. The database will be simple and hold username and password information, and approved locations for metrics. This table will only be used if we decide not to use the “secret link” method of logging into the backend.

Domain Class: User

- Username - String, login username
- Password - String, login password
- Locations Uploaded - Int, number of photos/locations uploaded

This table is a stretch goal, and will be used to authenticate users if we get to the point of using user accounts. This would allow the user to see how many locations they have uploaded to the database.