

Green Stormwater Database Schema

List of Domain Classes:

- Green_Space - list of green spaces
- ManagerAccount - Extension of UserAccount that adds student relationship
- Role - Spring Security Role Class
- School - Holds school information, such as name, and teacher-school and student-school relationships
- User - Spring Security User Class, with the additional posts property
- UserAccount - Extension of the User class that adds a school property
- UserRole - Spring Security UserRole Class

Domain representing the data stored for any given account.

The username serves as the UID for this domain.

Domain Class: User - list of accounts

- Username - String, user name
- Password - Hash, account password
- Posts - list of refs to green spaces posted by a given account

Domain Class UserAccount - All non-admin users

- School - string, school the user attends/teaches at

Domain Class ManagerAccount - All teacher/manager users

- Students - list of refs to other accounts, used by teachers who have students

Domain representing the data stored for a given Green Space Post.

Each post will have a numerical UID.

Each post will also contain the file name corresponding to the image.

The size, filePath, and description can be left blank.

Domain Class: Green_space - list of green spaces

- UID - Long, unique ID for green space
- Account - UserAccount, foreign key into UserAccount table
- File - String, Picture URL/path
- Latitude - Double, latitude of green space
- Longitude - Double, longitude of green space
- Description String, description of green space
- Size - Double, sq. footage
- CreationDate - Date, DateTime of post upload
- UpdateDate - Date, DateTime of post last updated