

Database Schema

Team 5 - Asher

Domain Classes:

- **Form_Uploads**
- **Description:** This will be the table that handles form data
 - **Fire_name/ Site Name** - String (ForeignKey Fires)
 - **PlotID** - Double/int, (unique)
 - **Latitude** - Double, Latitude of Site
 - **Longitude** - Double, Longitude of Site
 - **Username** - String (ForeignKey, Users)
 - **Color_Selection** - String, Used for measuring the color of the ash
 - **Date/Time** - Date, date, and time of collection
 - **User_Notes** - String, Additional details provided by users (optional)
 - **PhotoID** - Int (ForeignKey UploadID, Photos)
 - **Moisture_Level** - Int, the field-tested moisture level of the ash
 - **Ash_Depth** - Double, the depth of the ash
 - **Root_Status** - Enum

- **Photos**
- **Description:** This will store all the photos submitted in the form
 - **PhotoID** - Int, individual photo identification (unique)
 - **UploadID** - int, upload identification (unique)
 - **Photo_Binary** - VarBinary, picture(s) of the ash

- **Fires**
- **Description:** This table will track each fire (full site)
 - **Name** - String
 - **General_Location** - String
 - **Date_Ended** - Date

- **Users**
- **Description:** This table handles login information and permissions granted
 - **Name(team)** - String, unique
 - **Password** - Hash
 - **Account_level** - Does this user have admin privileges?