

A decorative graphic on the left side of the slide consisting of two overlapping parallelograms. The front one is blue and the back one is a light green color. Both are tilted at an angle.

Hurricane Tracker

By: Adrian Luciano and Jose Luciano



Project Description

- Our project is based on hurricane databases
 - There will be two types of users who will have access to our database
 - Regular users who can only view all the hurricane data available
 - Admin users (meteorologists) who will have additional access to the database
 - Each user will be able to visualize the data in the form of tables
 - Data can be filtered by Year, Basin, and death count



Use Case Details

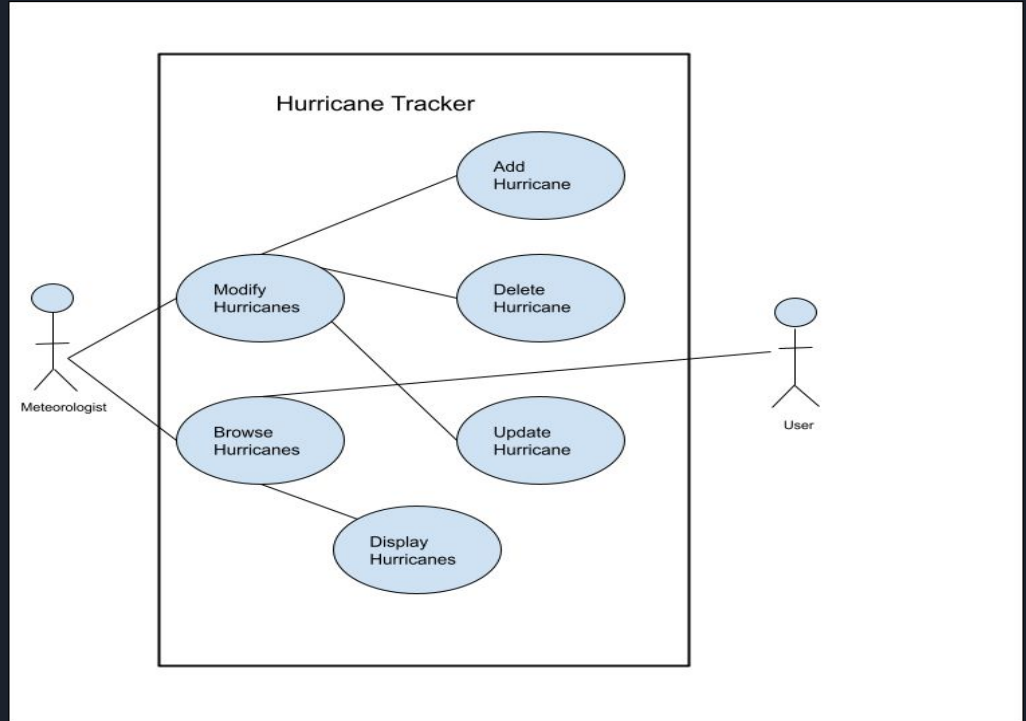
User

- Can Browse through Hurricanes
- Can select column to filter database by
- Access to general Hurricane information

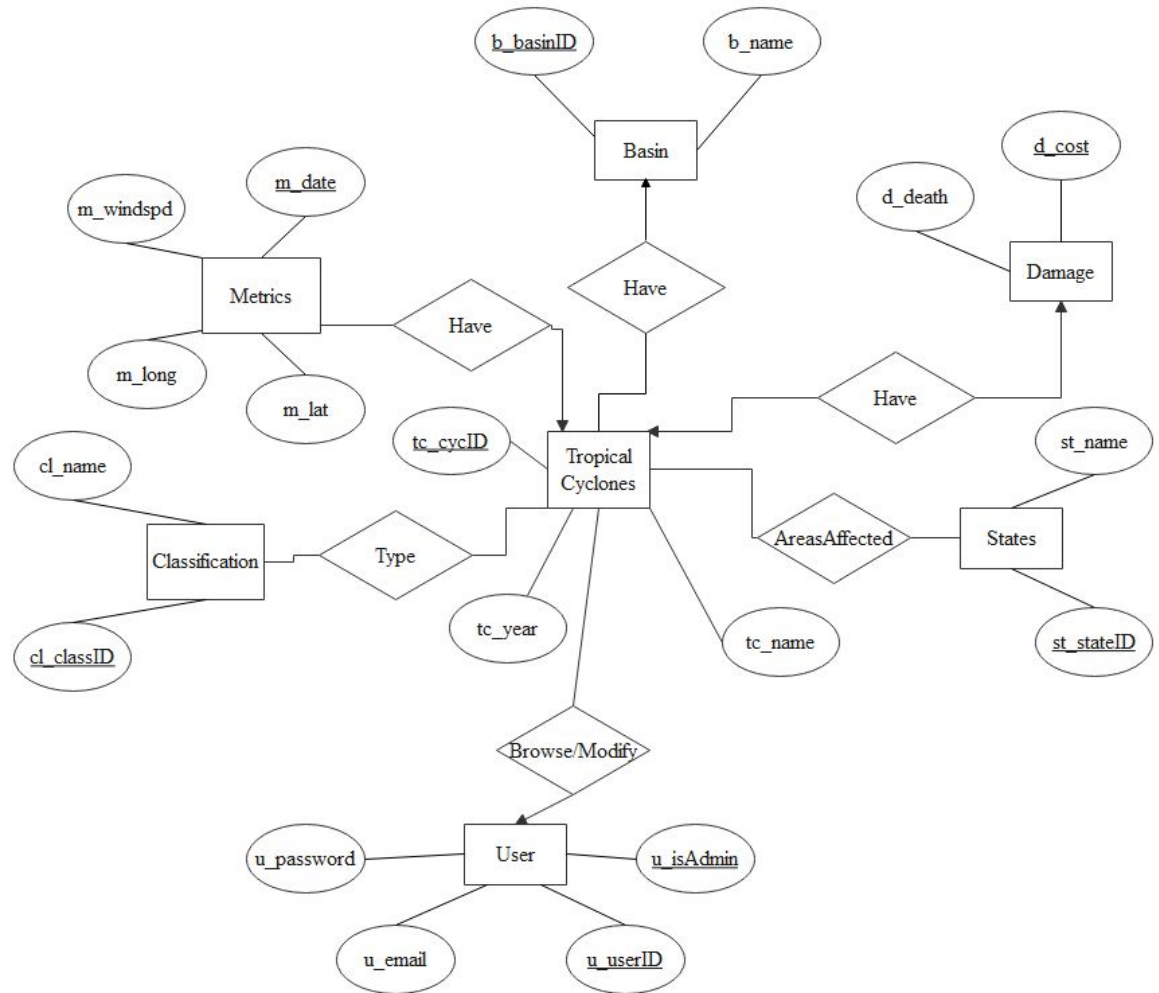
Meteorologist

- Can Also Browse with filters and get general info
- Can Modify the database
 - Add, Delete, and Update the database data

Use Case Design



ER Diagram





Relational Schema

TropicalCyclones(tc_cyclID, tc_date, tc_cost, tc_stateID, tc_isAdmin, tc_userID, tc_classID, tc_basinID, tc_year, tc_name)

Metrics(m_cyclID, m_date, m_windspd, m_long, m_lat)

Basin(b_basinID, b_name)

Damage(d_cyclID, d_cost, d_death)

States(st_cyclID, st_stateID, st_name)

User(u_isAdmin, u_userID, u_email, u_password)

Classification(cl_cyclID, cl_classID, cl_name)