**Capstone Proposal**

For this Capstone Project, the goal is to create an educational purpose website that shows movement patterns of animals in a gif like format. The target audience are teenagers that are beginning to develop an interest in wildlife animals. The API that I am planning on using is called Movebank. I will need ordered geographic location data of the animals by their tracking and on sensor data.

The database schema would be to have each animal to have their own table that consists of ordered longitude, latitude , date, and time.

A problem that I might have with the API is that the geographic location data for each animal might be all bundled up together already so that I don’t have access to each tracking point to create a dynamic pathway that looks like a gif.

This website will need authentication to view its content so it will need to store account info as sensitive information of each user.

The user will first need to select the animal they want to see from a drop down list. Once the animal is selected, the gif will appear on the screen and will run until the user chooses another animal or closes/ logout of the site.

CRUD features might include a favorites list of the user that they can add, delete. There can also be a comment section where users can view all comments made by others. Users can add, delete and update their own comments as well.