**Project Participants:**

Brian Dutremble

**Title:**

Bird Registry

**Executive Summary:**

This project will help me to identify and keep track of the birds I see in my backyard and elsewhere.

**Initial Features:**

* Entities: Bird, Observation, Bird\_Habitat, Habitat
* A User can perform the following operations:
  + Browse all birds (GET on Bird)
  + Browse Birds by certain attributes (GET on Bird with attribute value specified)
  + View all details about a specific Bird (GET on Bird by primary key)
  + Add a new bird (POST in Bird)
  + Edit the details of a bird (PUT on Bird to change an attribute value associated with a bird)
  + Remove a Bird (DELETE on a Bird)

**Stretch Goals** (to be completed if time allows, or after graduation):

If time allows, I’ll add a Trivia table and Food and Diet tables (with the latter being a join table between Food and Bird). In the unlikely event that I have even more time, I will attempt to add an image for each bird in the database and create a mechanism via which I can add images for future sightings. Also, I would eventually like to connect this project to an API in order to download data from recent sightings in my area so that I can identify birds with a higher degree of confidence (the Astronomical Data project got me thinking about this as a possibility) or add the ability to keep track of sound recordings as well.

Here’s the ERD (including the Food and Diet stretch goals):

