**Birdon theBrain:**Booty for Birders

Core Functionality

* **Signup**
* **Signin**
* **Signout**
* **Data Sourced from Users**
  + Sighting Lists:
    - Backyard
    - Individual Outing
    - Annual
    - Lifetime
  + List Functions:
    - Create
    - Read
    - Update
    - Delete
  + List Content for Each Bird Sighting:
    - common name of bird
    - county
    - state
    - date
    - comments (optional)
    - image (maybe)
  + Searches: Users can search other users' data, using filters like the following:
    - Name of user
    - County of user
    - State of user
    - Name of bird
    - Dates of sightings
* **Data Sourced from eBird API: Cornell's database can allow users to search for info like the following**
  + Most recent sighting of specific bird in given geographical region (city, county, state, country)
  + Locations of birding sites most visited by area birders
  + List of "interesting" birds sighted in given geographical area
  + List of sighting "hotspots" nearby
  + Bird Behaviors
  + Average Weight
  + Conservation Status (e.g., endangered)
* **Links to Major Birding Websites**
  + Merlin
  + eBird

Technologies:

* Flask
* Python
* Jinja
* SQL Database
* API Calls To: Internal and External Databases
* HTML
* CSS

Additional Functionality as Time Permits:

* Blog
* Connect to free image hosting site to allow users to upload profile pics and pics of birds they've sighted
* Bird Fact of the Day
* Bird Pic of the day
* Bird Game (maybe hangman with only bird names
* Users can click on bird name as they add to their list to get more info on that bird (still looking for API)