User Stories

1. As a developer, I want to create an API of the 50 most commonly banded birds, including:

* **Band Size**
* **Alpha Code**
* **Species Name**
* **Min wing chord**
* **Max wing chord**
* **Tail length min**
* **Tail length max**
* **Exposed Culmen min**
* **Exposed Culmen max**

1. As a researcher, I want to be able to add a species to the API if it does not exist (Bird API)
2. As a researcher, I want to be able to view a list all the species currently in the API (Bird API)
3. As a researcher, I want to me able to select what variables I would like to include on my displayed data sheet or use all variables. This includes all the above, as well as:

* **Band Number**
* **Bander Initials**
* **Date**
* **Net run time**
* **Lat**
* **Long**
* Fat
* **How Aged**
* **How Sexed**
* **Cloacal protrusion (CP)**
* **Brood Patch (BP)**
* **Skull**
* **Body Molt**
* **Feather Wear**
* **Flight Feather Molt**
* **Mass**
* **Net Number**
* **Band type (New or Recap)**
* **Opening temperature**
* **Closing Temperature**
* **Cloud cover**
* **Precipitation**
* **Notes**
* **Sex**
* **Age**

1. As a researcher, I want to be notified with a popup message if a measurement or piece of data entered is not within the range of that species or is an incorrect datatype to allow for a quick error fix or a remeasurement.
2. As a researcher, I want to be able to gather daily weather data at the beginning and end of each research day (Weather API).
3. As a researcher, I want to be able to gather the latitude and longitude of the research site (Google Maps API).
4. As a researcher, I want each entry to be added to the data table.
5. As a researcher, I want to be able to upload an image for each bird banded, if I so chose.
6. As a researcher, I want to be able to view data of banded birds throughout the day based on Alpha Code or band size.
7. As a researcher, at the end of each day I want to be able to download the daily data to an excel file.