

Project name: Bird Search

Team members:

- Samuel Scudere-Weiss
- Jiaqi Li
- Brian Gzemski

Domain: Birds and other wildlife

Brief application description:

This application will allow a user to identify a bird species by searching criteria such as color, region and size. The application will operate as a combination of an identification key, and a traditional search program. It will return the most likely candidate birds as well as pictures of each species for further identification purposes.

Corpus source(s):

- Encyclopedia of Life

Functionality (use cases):

“standard”

- User will be able to identify a species of bird with relative certainty given they have the following: region, size (approx.), and color.
- User will be able to narrow down possible taxa and species with only one or two identified criteria.

“differentiators”

- The program will list the phylogenetically related species and their regions as suggested bird look ups.
- The program will allow the search for a species name to determine the active range of a species.
- The program will identify the user if the species is invasive, threatened, endangered, or extinct.