Task Management
-Genealogy
-Species
-History

App
-Aggressive Task App
-Kinda Google Calendar

bird App
-Database for cataloging birds
-Actively looking for a dev.

Primary Features
-Database
-experimenters profiles
-bird profiles
-Experiments

Vision:

bird system catalogs birds and their experimental and medical histories, and assists in identifying birds for eligible experiments.

Assignments
Kaj
-video editing /
Jose/John
-user stories
Landon
-Paper
Zili
-video editing
Kevin
-interview contact

Big User Stories

Iteration 0
As a researcher, I want to be able to see a list of the available birds.
Priority: Medium Cost: 4 days

As a researcher, I want to be able to add new birds into the software.
Priority: Medium Cost: 3 days

As a researcher, I want to be able retire birds that are at the end of their lifespan.
Priority: High Cost: 2 days

As a researcher, I want to be able to import excel sheets
Priority: High Cost: 5 days

As a researcher, I want to be able to filter birds based on their features.
Priority: High Cost: 3 days

Questions

1. Would you like pictures and videos of birds?
2.

Bird interface
name
species
ID
age
experimental history

- add new experiment
    - experiment name
    - experiment type
    - experiment condition
- experiments bird was in
- type of experiment

medical history

- ailments the birds have, etc.

As Animal Care, I want to be able to find the medical history of the birds.

As a user, I want to be able to have my own profile, and find out which animals I'm involved with.

As a volunteer, I want to be able to view data for the experiments I am working on.

Users: Researchers, Animal Care

Vision Statement

Dr. Debbie Kelly's Comparative Cognition lab has a large number of animal species, which they use to study aspects of psychology and cognition. Some of Dr. Kelly's specific research interests are navigation as well as the effects of aging and experience on learning and memory. When Dr. Kelly wants to start a new experiment, in order to have proper experimental controls, she needs to select animals to participate in the experiment that have certain medical and experimental histories. Given that Dr. Kelly's lab has a large number of animals, spanning multiple bird species, it can be difficult to keep track of each individual animal's age, medical history, and experimental history. That is why she currently needs a better system for organizing, filtering, searching, and selecting individual animals based on a wide variety of their individual characteristics. Our application will be a fully searchable database which inventories all of the animals in Dr. Kelly's laboratory, to greatly assist with the development of new experiments and general animal care.

The system currently in place in Dr. Kelly's lab to inventory animals is a series of excel files. For each of the five avian species in Dr. Kelly's lab, there is one excel file for all of that species' experimental histories, a second excel file for all of that species' medical histories, and a third and fourth excel files mirror the previous two files cataloging those details for individual animals which are no longer in the lab. This makes it very difficult and time-consuming to search through each excel sheet to try to find eligible animals. Furthermore, these files are shared across a DropBox, and there have been numerous problems with improper updates and conflicted copies appearing on DropBox. This leads to confusion when deciding which file is appropriate when trying to select animals for a new experiment. Having all of the data in a single location would greatly reduce the risk of error, or oversight.

Our application will massively simplify the animal inventory system currently being implemented in the Comparative Cognition Lab. It will allow for the quick searching and cataloging of individual animals based on a variety of health and experiential factors. The application will be a single source of all pertinent bird and experiment related data. Different users of the system will be given different access to data in the system. members of the Animal Care staff will only have access to the animal's' medical histories, whereas the experimenters will have access to both the medical and experimental history for each animal. Furthermore, as Dr. Kelly employs many volunteers, the ability to edit the experimental and medical histories will only be given to more senior employees. The volunteers in the lab will only be able to search and read information for each animal with no ability to edit, add, or delete.

The system will be extensible to allow a server-client structure, and have connected applications on multiple devices dealing with the same database.

The project will be considered successful if the amount of time required to search for specific animals is reduced 30%, and the number of errors made in the search and selection of animals is reduced by 75%. Consideration will also be given to the users of the application, if the majority of users prefer the application over the old system the project will also be considered a success regardless of any improvement in efficiency or error rate.

Meeting 2
-Duffroblin building for the interview: Monday around noon.

Contact the prof about possibly deadline extension on the video. Room number posted in slack.

STRETCH GOALS:
-Tracking when a bird weight hits a target weight.
-Attaching pictures to bird profiles.

Github Repo: https://github.com/ratstache/SE1

Plans for Iteration 1
- Searching up birds
-Adding new birds
-Retiring Birds
-Importing spreadsheets
-Filtering Birds based on attributes
-Filtering Birds based on experimental history

Interview Questionnaire

Do you take pictures of the birds?

How often do you add new categories/attributes to the spreadsheets?

What are you hoping to get from this application?

Who uses the spreadsheets at the moment?

How often do birds leave, or get brought into the lab?

Questions from Vision

What kind of work do you do? What animals do you work with?
What do you need in the application?
What do you currently use in place of the application we're developing?
What attributes do you usually look at when making a list of birds?
Who would be using this application?
What do you think each of them needs to have in order to do their job?

In the future, where do you see this project growing?