

EE 492 WEEKLY REPORT 10

Date: 11/2/16 - 11/9/16

Group number: DEC1608

Project title: Reiman Garden Butterfly Interpretation Application

Client: Nathan Brockman -- Curator, Christina Reiman Butterfly Wing

Advisor: Dr. Rover

Weekly Summary (Short summary about what you did this week)

This week marks the end of sprint 6. This sprint will be our final official sprint as the next one would overlap with thanksgiving break and finals.

This week we made several updates and improvements to our application. These improvements included adding the ability to upload images when creating a butterfly, and adding support for editing a butterfly after it was created. There were also updates to the search page correcting some heading typos and a few bugs on that page.

The Butterfly Model itself was improved. The butterfly model now has methods for calculating / retrieving statistics for an individual butterfly species such as when the butterfly was last flown in the gardens and the total number ever flown in the gardens. Methods for calculating the likely number of individuals currently in flight were also added.

The butterfly model was also modified so that when an image is retrieved, if the image does not exist, an "unknown" image will be returned instead of null. Adding this functionality removes the need for null pointer checks on the UI page.

These updates still need to go through code review, but should be merged in early next week.

Our group has its second meeting with Dr. Amariucaí this week, so we have spent time working up a presentation. In it we do our best to explain why our project is needed, the libraries and resources we use, and the structure of our project.

Past week accomplishments

- Presentation
- Image upload / default image for unknown butterfly
- UI updates to search page
- Methods added to butterfly model for generating individual species stats

Plan for coming week

- Import/export utility
- Presentation
- Butterfly of the day functionality and other home page updates

Individual contributions

<u>NAME</u>	<u>Role</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Scott Mueller	Key Concept Holder	Work on database restructuring for plants.	6	33
Carson Noble	Web Master	Setting up structure for featured butterfly; Home page ui fixes	5	35
Megan Reiman	Key Concept Holder	Presentation work, work on image upload, import/export Excel	7	46
Michael Bonpua	Team Leader	Presentation work, delete butterfly, making videos	6	33
Nicholas Riesen	Communications Lead	Presentation Corrected UI issues on search page Added to Butterfly model	6	48