

Bi-weekly Report (30th October 2015)

Project (Neuro)	Interface for a Social Data Repository for the Internet Neurocinematics Database (INcDb)
Team 35	Cheung Johnson (Leader) Karunaratne Rajind Ong Yong Lin

1. Overview of Work Progress

We discussed with Dr. Skipper and decided that the final product will be a website that include a process for uploading raw dataset, an interactive interface to interact with the analyzed data, and a placeholder for video annotation. We produced a user's flowchart to illustrate how user will interact with the final product. We also started learning the technologies required to develop the website, namely Python and Flask.

2. Summary of Meetings

Meeting 4 20th Oct	Cheung Karunaratne Ong	1. We discussed our findings from resources / links given by Dr. Skipper. 2. We gathered more details on the project's requirements. 3. We voiced our concerns over the scale of the project and got Dr. Skipper approval to include a basic placeholder for video annotation instead of the planned gamified video annotation process.
Meeting 5 23rd Oct	Cheung Karunaratne Ong	1. Ong shared with the team on the project requirements. 2. Karunaratne shared with the team on a spreadsheet with data from the Neurosynth's database. 3. Ong shared with the team on the user's flowchart.
Meeting 6 26th Oct	Cheung Karunaratne Ong	1. Karunaratne presented the user's flowchart to Dr. Skipper. 2. We clarified with Dr. Skipper that he will do the matching of 'Terms' from Neurosynth's database with the analyzed brain images. 3. We will look into the possibility of including a Time Chart for each component. 4. The project is now officially referred as INcDb. The team will present Dr. Skipper with a list of recommended domain names. 5. Ong will send Dr. Skipper a list of fields required for dataset submission. 6. Dr. Skipper requires user to be registered in order to upload new dataset.

3. Completed Tasks

No.	Task	Owner	Status
1	Communicate with Dr.Skipper regarding inquiries on the project and confirmation of meeting schedules.	Cheung	Complete
2	Produce flowchart outlining the process of the social repository with some basic user interface.	Karunaratne, Ong	Complete
3	Investigate existing Neurosynth database of Terms and studies.	Karunaratne	Complete
4	Identify languages to be studied to support implementation of Neurosynth source code (Python Flask).	Ong	Complete
5	Inquired Dr.Skipper regarding questions on the form for the social data repository.	Ong	Complete
6	Further modified the project specifications / requirements.	Cheung	Complete

4. Problems

No.	Problem	Status
1	Ambiguity on definition of 'decoding images'	Waiting for reply from Dr. Skipper
2	Layout of brain images – is it accepted to have all three on one row?	Solved – Dr. Skipper preferred brain images to be in one row

5. Plan for next 2 weeks

No.	Task	Owner	Status
1	Study Python Flask to help further investigate Neurosynth source-code.	All	Ongoing
2	Start development on the project website.	Karunaratne	Ongoing
3	Start initial mock-up of the user interface.	Ong	Ongoing

6. Individual Contribution

Johnson Cheung

As usual, I was responsible for contacting Dr. Skipper about the meetings. In addition, I started writing the project background and specification document which we believe is a very essential part of the project as it sets out clearly the goals which we are expected to achieve. I have also tried to sketch a few layouts for the websites and explore the languages needed to build them.

Yong Lin Ong

I drafted the first copy of the flowchart outlining the process of the social repository. I also studied the source code of Neruosynth and identified Python Flask as the web framework that we need to work with for this project. I also drafted a list of fields that will be required to be filled in for any new dataset submission to the repository.

Rajind Karunaratne

I assisted with Donovan to create a second draft of the flowchart, adding more detail to the user-interface aspect of the project. I also discovered the existing databases used by the Neurosynth service after further investigation. This can help in the correlation of brain terms with our database of movies/TV shows with the brain components that will be added to it. I have also looked into designing a few sketches, as well as investigate a few frameworks to help with the design of the website, which I will further discuss with Johnson later on.