

EE/CprE/SE 492 - sdmay23-35
Learning the Popularity Prediction in Information Cascades
BiWeekly Report #3
3/4/23 - 3/24/23
Client & Advisor: Goce Trajcevski

Team Members/Role:

Bailey Gorlewski, Frontend - Mapbox and DevOps (CI/CD)
Evan Gossling, Frontend - UI/UX and Framework
Ian Johnson, Frontend - Design and Functionality
Paul Brinkmann, Backend - MySQL and Database
Will Postler, Backend - Integration between frontend and backend

Weekly Summary:

Over the past week our team worked on completion of CI/CD and deployment of our Flask application on our server so it is constantly hosted and running. We also completely integrated and tested our database into the Flask framework, therefore allowing us to use the database information with our website. We met with our advisor (Dr Trajcevski), and went through our progress so far, and discussed our plans for the future. We also have had a team meeting of a larger delegation of team duties for the next 2 weeks, with who is responsible for what, and things we expect to be completed.

Past Week Accomplishments:

- Bailey: Setup full CI/CD pipeline for the project including image compilation, upload to Docker Hub, and deployment on server. Completed citation pair table setup and import on MySQL database.
- Evan: Fully integrated the database into the Flask app. Tested the connectivity of the Flask app with the database. Worked on UI elements.
- Ian: Acquired development/production server used to host the website. Created testing infrastructure for the website and worked on Query UI elements.
- Paul: Added test table into database.
- Will: Communicated with client/advisor.

Individual Contributions:

<u>Name</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>Hours cumulative</u>
Bailey Gorlewski	Setup full CI/CD pipeline for the project including image compilation, upload to Docker Hub, and deployment on server. Citation pair table setup and import on MySQL database.	10	39

Evan Gossling	Fully integrated the database into the Flask app. Tested the connectivity of the Flask app with the database. Worked on UI elements.	8	39
Ian Johnson	Acquired development/production server used to host the website. Created testing infrastructure for the website and worked on Query UI elements.	6	33
Paul Brinkmann	Added test table into database.	1	21
Will Postler	Communicated with client/advisor.	1	22

Plans for Coming Week:

- Bailey: Work with Ce to get model running on server, additional mapbox testing
- Evan: With the database now connected to the website, further progress with the UI elements and Mapbox testing may be made. Also try to test script execution in the server by using UI elements, this will be later used to execute the ML model.
- Ian: Work on adding more model query UI elements to the website.
- Paul: Add the metadata from the APS dataset into the database.
- Will: Add the homepage for the website.