

EE/CprE/SE 492 Bi-Weekly Report 6

Report Period: 4/8/2023 – 4/21/2023

Team Name: sdmay23-42

Project Title: Canvas LTI Student Climate Dashboard (Mark II)

Client: Henry Duwe

Advisor: Nick Fila

Team Members:

- Josh Harvey: Team Manager, Resonance & Persona
- Howard Chi: UI
- Elias Simpson: Server, Docker, Kubernetes
- Hailee Leonard: UI/UX
- Colin Hasbrook: Database and Backend
- Jonathan Giblin: Canvas/Okta Integration, Infrastructure

Summary of Progress during this Reporting Period:

The team has brought development changes to a close and will be transitioning to documentation and presentation materials. Elias was able to get the application up and running. Josh made changes to the section score values for calculating resonance. John finished his work on CI/CD. The front-end team is continuing to develop their side of the application. Colin finished his tasks related to the Canvas API and can get sentiment scores by reading text files. Overall, we are bringing development changes together and will be working on documentation for the remaining time this semester.

- Josh Harvey: Made changes to the section score value algorithm for calculating resonance. Progress on report, poster, and presentation.
- Howard Chi: Basic UI.
- Elias Simpson: Began process of documenting processes pertaining to technologies necessary for the server: Kubernetes and docker commands, details of the tech stack, troubleshooting.
- Hailee Leonard: Basic UI.
- Colin Hasbrook: Completed all relevant backend data collection process. Created excel sheet for sentiment calculation to be used as the sentiment scorer
- Jonathan Giblin: Started documenting Okta setup and connection process as well as the CI/CD & Jenkins situation for potential successors. Got a Gitlab runner running on the server as well as ssh keypair for GitLab to be able to access the server for CI/CD. Added various path variables for security to the CI/CD setting in GitLab.

Pending Issues:

- Josh Harvey: Meger of all development tasks and verification of application.
- Howard Chi: UI.
- Elias Simpson: Full documentation is needed for the application to be carried over to clients and future development teams.
- Hailee Leonard: Started basic UI implementation.
- Colin Hasbrook: Combine data with the resonance calculator and frontend. Finish putting data into canvas for all students. Start working on report, poster and presentation.
- Jonathan Giblin: Finding our service on the server so that I know what to restart during the deploy stage in CI/CD, so it is fully hooked up and operational. Okta & CI/CD documentation.

Plans for Upcoming Reporting Period:

- Josh Harvey: Work on final report, slide show presentation, and project poster.
- Howard Chi: Finish basic UI and connect UI to backend.
- Elias Simpson: Complete documentation related to getting the server running and troubleshooting.
- Hailee Leonard: Finish basic UI and connect UI to backend.
- Colin Hasbrook: Combine data with the resonance calculate and then the frontend. Begin working on finishing documentation, final report, presentation and slide show
- Jonathan Giblin: Finish Documentation of Okta and the CI/CD and Jenkins situation. Assist other members in making sure separate parts come together smoothly. Hunt down and take care of remaining pitfalls in getting CI/CD fully operational.

Individual Contributions:

Name	Tasks Worked	Total Time Week (Hours)	Total Time During 492
Josh	Made changes to the section score value algorithm for calculating resonance. Team and task management. Work on final report, slide show presentation, and project poster.	13	60
Colin	Completed all relevant backend data collection process. Created excel sheet for sentiment calculation to be used as the sentiment scorer	10	73
Elias	Documenting processes pertaining to technologies necessary for the server: Kubernetes and docker commands, details of the tech stack, troubleshooting.	5	50
Howard	Basic UI implementation	4	44
Hailee	Basic UI implementation	4	48
Jonathan	Okta & Jenkins/CI/CD documentation, CI/CD Pipeline, Meetings	11	49