EE/CprE/SE 492 Bi-Weekly Report 4

Report Period: 3/4/2023 – 3/24/2023
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 objective of the last two weeks was to set up and start implementing resonance algorithm changes, UI changes, and continue work on infrastructure. We made great progress on all objectives in the last two weeks. We had good attendance and engagement in our weekly meetings and are communicating effectively with the Client and Advisor. Members have proposed screens for an improved user interface and received feedback on further improvements. We started making design changes in the Canvas API calls and processing. We can now receive Canvas data in the application. Team members are continuing in their current roles and objectives. We made great progress in the last two weeks and are excited to build up from here.

- Josh Harvey: Identification focus components of remaining topics. Meeting to determine how changes to Canvas API, Resonance processing, and UI integration. Managing bi-weekly reporting and progress video assignment, meetings.
- Colin Hasbrook – Able to collect all relevant data from the canvas page like dates, and grades. Created Student Canvas API class that can be called by the frontend and resonance classes to retrieve data.
- Howard Chi: Installed vital dependencies on fresh environment needed to create react project and created a typescript application, video assignment, meetings.
- Elias Simpson: Changed reference to BearerToken environment variable within infrastructure, which got student results to Frontend through Canvas API Service. Troubleshooting of assignment weights, assigned value to Course ID so assignment weights are loading on frontend.
- Hailee Leonard: Finished UI design prototype, researched UI libraries, researched data storage and communication for UI
- Jonathan Giblin: Understanding of Jenkins CI/CD system & past team usage of it.

Pending Issues:
- Josh Harvey: Processing of Canvas API into Resonance calculation steps. Modifying resonance scoring algorithm.
- Howard Chi: issues w windows 11 configurations
- Elias Simpson:
- Hailee Leonard: Implementing UI design, reduce processing and loading time of UI

- Colin Hasbrook: Need to get the gets possible from each assignment and separate the assignments by the week they were due so they can be displayed on a weekly basis rather than by assignment.
- Jonathan Giblin: Jenkins installation/setup on the VM so that CI/CD is fully functioning.

Plans for Upcoming Reporting Period:
- Josh Harvey: Work with Colin to see how Canvas API calls need to be processed into calculation algorithms and UI. Focus on setting up weekly timeline sections for the x-axis on the journey map and useful data from data points on graph.
- Howard Chi: Start developing website
- Elias Simpson: Continuing work with full-stack errors to get graph to draw.
- Hailee Leonard: Begin UI implementation, reduce data processing time, decrease UI load time
- Colin Hasbrook: Finish creating classes that will be needed for Josh and the front-end team. Make these classes easier to pull data from and most importantly separate the assignments by the week that they are due.
- Jonathan Giblin: Finish CI/CD setup and get it fully functional and running.

Individual Contributions:

Name	Tasks Worked	Total Time Week (Hours)	Total Time During 492
Josh	Identification of focus components of remaining topics. Meeting to determine how changes to Canvas API, Resonance processing, and UI integration. Managing bi-weekly reporting and progress video assignment, meetings.	14.5	41
Colin	Able to collect all relevant data from the canvas page like dates, and grades. Created Student Canvas API class that can be called by the frontend and resonance classes to retrieve data. Video assignment and meetings	15	43
Elias	Full stack, error troubleshooting, video assignment	10	35
Howard	Installed vital dependencies on fresh environment needed to create react project and created a typescript application and video assignment, meetings.	15	30
Hailee	Completed UI designs, researched UI libraries, researched data storage and processing in the frontend for loading times	12	32
Jonathan	Meetings, CI/CD configuration and setup research	9	27