***MEMORANDUM***

TO: Instructor and Teaching Assistants of CSCE 315

FROM: Akash Gajendra

DATE: 10th October, 2021

SUBJECT: Project 2 Phase 3 Update

I'm writing to inform you that our team is well underway with Phase 3 of Project 2 and this will serve as a notification describing our team’s process in a transition from our GUI design to implementation. Last week, we were tasked with building out our GUI using Java and connecting it with the database we created from Phase 2 of the project. Our approach in the design process of phase 3 has been to break down the objectives and delegate accordingly. We split each member’s responsibilities between GUI implementation and database connection handling.

Every frontend application starts from an initial design which we submitted during Phase 2. Right of the bat, we noticed issues with our initial design as we came across several limitations due to our adoption of Java Swing for the UI. Our initial designs were created keeping the capabilities of front-end frameworks like React JS in mind but we had to quickly update the GUI sketch.

In terms of wireframe layout, we made a slight design choice to merge the analyst/user login pages to one in the interest of eliminating redundancy. Then we updated the color scheme to reflect the neutral colors that Java Swing was producing. Overall, we merely altered the color scheme as opposed to core functionality of the UI sketch. After the design phase, we split up certain wireframes amongst the team and had meetings along the way to deal with any hurdles/code reviews. **UPDATED GUI Sketch:** https://drive.google.com/file/d/1Ke2D9ovrCvNIjuW-hzT-2ktC3wWlESYC/view?usp=sharing

**Contributions:** Isaac and I worked on the welcome page, login page and inter-screen navigation within the application. Josh and Abby worked on the Analyst viewer and aggregating the all-user trends for the frame. Lastly, Santoshni worked on the UI design for the user’s perspective. All these frames have been inspired by the initial sketch design and we have satisfied all the criteria in the rubric to the best of our knowledge.