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COMP 330/474 001

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T5 - Implementation Deliverables and Complete System Materials Notes

For the complete system materials assignment, our approach was similar to other assignments in that we divided the project into smaller parts. We first started by reviewing the professor's feedback on the use cases. As a team, we discussed what we did well, and what we should improve or change before starting the implementation. Afterwards, we drafted a complete class diagram as a team using Zoom to communicate. We decided that it was best to conduct this activity together in order to keep everyone on the same page. We used the forum to receive feedback on our diagram and edited it based on the suggestions we were given.

Next, we began the sequence diagram as a team, as well. After having a good understanding of the methods, classes, and their relationships, we began the implementation, and individual work was assigned. Although everyone drafted the class diagram together, Logan and Sawyer took a lead in refining it, along with the sequence diagram. Nea and Kyle worked together for parts of the code, while Alvaro took lead in incorporating all parts of the code. The team helped each other walk through challenging parts of the implementation, such as creating Arrays for temperature input since we did not have access to sensors. Amshah took lead in keeping previous deliverables updated, organizing team meetings, and writing notes that later transformed into the project metrics and traceability tables.

We met often to discuss and present our individual work to the rest of the team. Independent work allowed for everyone to be able to contribute to the final deliverable, while communication continued to ensure peer review and constant feedback from one another. Also, we made sure that all of our requirements, models, diagrams, use cases, and implementation materials were consistent and complete. For the presentation, everyone was assigned the slides that highlighted their major contributions to the project.

Presentation Slide Assignments:

- Introduction and Purpose - Nea
- Complete Class Diagram - Logan, Sawyer
- Sequence Diagram for Measure Temperature Use Case - Logan, Sawyer
- Code Implementation - Alvaro, Kyle
- Code Metrics and Test Results - Nea, Kyle
- Traceability for Requirements - Amshah
- Project Metrics - Amshah
- Closing Thoughts - All