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SYSC3303
Project Iteration 1
L2G2 Teamwork Breakdown

For iteration 2, there was not much work to be done from iteration 1. Thus, splitting the work evenly was a lot more difficult. We evidently chose to split the code into 2 components; elevator subsystem and scheduler. We did the same with the external requirements. We felt this would be the best way to equally distribute the work. We split the code into:

- The scheduler and related components, this was done by Will and Jacob.
- The elevator subsystem and related components, this was done by Subear and Farhan.

Our approach to coding was to take ownership of our designated classes, but to focus on teamwork and ensure that we share the responsibility of optimizing our system as much as possible. This decision was also made since Farhan and Jacob previously worked on their respective classes in the previous iteration. We used github to organize ourselves; every code push required a review from another team member to merge. Alongside this, Will also converted the project into a Maven project. He also changed the requirements of pushing code to the repository as it now must pass several Maven tests first. We also frequently coded together on discord calls, and we synced up every couple of days to discuss the state of the code and how to move forward. While we had ownership of the specified classes, over the course of the iteration we all collaborated and added code to various different parts of the system. Another thing to note is that this split is not permanent, it was only for this iteration. For example, we will eventually need to have a GUI for a form of visual interpretation of the data, and also remove the use of threads all together and use UDP datagrams and sockets. We split the rest of the requirements into:

- Class diagram, set up instructions, and README were done by Will
- Elevator sequence diagrams and team breakdown was done by Farhan.
- Elevator state machine was done by Subear
- Test instructions and Scheduler state machine diagram was done by Jacob.

With the external requirements, our approach was to complete the portion that we had taken ownership of, and then get the rest of the team to review. Everyone went over

every section, and if there were any issues or anything the creator needed to include, we shared suggestions and worked to finalize all of the documents in a way that we were all satisfied with.