**Final Project Outline**

**Members**

Hannah Beliles

Pj Slover

Waeil Mikhaeil

Jonathan leverenz

**Communication plan**

As a group, we will communicate through Discord for asynchronous communication. This will include miscellaneous updates on how work is progressing and any issues we are facing.

**Project description**

For our project, we will be creating an inventory system for <insert company here>. The inventory system we create will provide the user with a graphic interface where they can list all of the items they keep in stock, along with how many of each item they currently have in stock, where that item is stored, a general description of the item, the supplier and more. The user will also be able to add or remove stock of each item individually. Additionally, we will manage orders in our system. These orders will have client information, a status, and the items that are required for the order.

**Project Collaboration**

The project will be stored inside GitHub. Each member will have a branch to store their work and after each major checkpoint is hit the user's branch will be merged with the main branch. Each merge with the main branch will be reviewed by at least one other team member before being merged with the main branch.

**Project management and roles**

Project Manager :

Back-end:

Front-end:

Diagrams and documentation:

**Overall workflow**

The backlog will store all tasks that are not actively being worked on or completed. At the start of each week, the team will communicate via discord and will assign tasks to each member of the group. This will be mainly managed by the project manager. In the Kanban board, the tasks will be moved from the backlog to the “to-do” list and will be assigned to the members.

Once members start working on tasks they will be moved from the “to-do” list and moved into the “doing” list. Once the code is completed for the task the user will create a pull request on GitHub to add the work to the main branch and will move the task from “doing” to “testing” inside of the Kanban board.

Following this, another member of the team will need to review the code in GitHub, and if the code looks completed and doesn't cause any additional errors the team member will merge the pull request and move the task from “testing” to “done” inside of the kanban board. If the work should not be added to the main branch the team member will leave a comment inside of Github, and message the other team member via Discord on what needs to be changed. Then the team member who reviewed the code will move the task from “testing” to the “doing” list in the Kanban board.