**Inventory Management System**

**What is this project supposed to do?**

* The application will have a GUI interface for the user with menu options for inventory management.
* In the menu options we plan to have a product selection where the user can input product information such as product name, quantity, status, price, serial number (optional) and description. Once the user inputs this information, the data will be saved into a SQL database and displayed for the user in a table. The product page will include modify or delete buttons for the different products saved to the database.
* In the menu options we plan to have an employee selection where the user can input employee information such as employee code, first name, last name, employee salary, phone number, employee status. Once the user inputs this information, the data will be saved into a SQL database and displayed for the user in a table. The employee page will include modify or delete buttons for the different employees saved to the database.
* In the menu options we plan to have a reports selection where the user can filter certain information about products or employees.
* We plan on implementing a feature where the user will then be able to select and display certain object information from the database.
* Menu option for exiting the database.

**Scenarios:**

* User opens the application and selects the product option. The user will then input information about that product into text fields and will then click the add button to add the product to the database.
* User opens the application and selects the employees option. The user will then input information about their employees into text fields and will then click the add button to add the employees to the database.
* Users will select delete or modify buttons on the product page and select the product they would like to delete or modify from a dropdown. They will then enter the quantity of the item they would like to delete and the quantity of that product will be removed from the database and table. A similar method will be used for the employee page as well.
* The user will select the exit menu option to close the application.

**System Specification:**

* The computer running the application will require the newest version of java installed.
* This application should be able to run on any modern computer.

**Key Milestones:**

* GUI Design Code (Leeshaun).
* SQL Database (Tyler & Travis).
* Code for adding, editing, and removing information from the application (Deon, Tyler, and Travis).
* Code for pulling reports and displaying them for users (Deon, Tyler, and Travis).

**Project Plan:**

WEEK 2:

* Have a plan in place for what the application will do and the specifications required to run the application.
* Define roles for different members of the project and different milestones we need to accomplish.

WEEK 3:

* Complete the user’s guide and test plan for the application.
* Create the basic GUI design for the application.

WEEK 4:

* Work on getting the SQL database operational and functional for the application.
* Complete project design for the application.

WEEK 5:

* Work on coding features into the product and employee selections of the application such as adding, editing, and deleting information from the database.
* Fully integrate the database with the application.

WEEK 6:

* Continue working on the code around features of the project and start working on reports selection in the application.

WEEK 7:

* Start to finish all features included in the application and add any other features that may be needed for user convenience.
* Test the application to find any bugs or errors and remedy them as they are found.

WEEK 8:

* Finish the application and perform quality checks to ensure all features work as intended.
* Complete any documentation that is required and turn in final project.