**BIT214 ASSIGNMENT (GROUP**)

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1. **SYSTEM DESIGN DOCUMENTATION AND USER MANUAL**

*This is a very interactive, user-friendly system that anyone and everyone can access easily without any difficulties.*

This is an Online Inventory Management System. It has been designed to accept user inputs and give out updates about their inventory. The database being used in our code is **MySQL.** Their user input is anything they put into the system for example, when the user tries to log-in they put in their details that will be read in the database. This is a very important part for **security purposes** in a way that unauthorized user will not have access because they are not on the database.

For these GUI screens we are using **Java Swing** to display the **J-Frames**.

* ***Features in System:***

**Login page:**

- This is the first GUI screen that will be seen by the user it contains Labels for the “Title”, “Username” and “Password”. To guide the user on where they should fill in their name and put in their password.

- It contains a Checkbox that is used to show and hide the users Password.

- It contains two Buttons with **Action Listeners** to perform specific actions. One Button is the Login button which once it is clicked when the user has put in their details it will use the JDBC to check if that user is the database, if the user is in the database it will take the User to the next GUI screen which is the Menu Screen, if they are not in the system it will print out a Dialog box showing that they are not. The second button is the clear button that just clears everything put in.

**Menu Page:**

This is the page that pops up after the user clicks the Login button this GUI screen contains a welcome label at the top and three buttons namely Transfer stock, update stock and display stock.

These buttons have action Listeners that help take the user to go to the next GUI screen to perform the task they intend to do.

**Transfer Page:**

Contains Labels and text fields for the user to put in the name and Quantity of the product being Transferred.

It also contains three Radio Buttons that have the names of certain Branches that this company transfers to. Once clicked the product will be transferred to the Branch selected and will be deducted from actual inventory list for the suppliers. For all the transfers to reflect in the database we need the JDBC as well on this part. Also contains buttons namely “Move, Clear and Back”, these buttons have Action Listeners for their actions to be successful.

**Update page:**

This page basically helps the user put in the new product they have brought into the warehouse. Contains Text fields to put information about the product namely Product ID, Product Name, Category, Quantity and Unit Price.