

## **Criterion E:**

### **Evaluation of Success Criteria**

Success Criteria	Achieved?	Evaluation	Client Feedback (See Appendix 3)
Entire software will be accessible and run through a Graphical User Interface	Yes	Using the GUI created on Swing, the user can access every function of the software by navigating with buttons that change panels revealing different modules.	"It's very easy to use and intuitive. I was easily able to navigate through the program"
Employees and Admins may log in with existing Accounts	Yes	Employees and Admins can log in using the login page on startup	"The login page works as expected"
Administrators may create/edit/delete new or existing accounts	Yes	Admins can access all users whilst employees are restricted	"I could login with the different accounts from the user page that I could create as an Admin."
Employees and Admins may add/edit/delete/search new or existing products, customers, suppliers and categories	Yes	Users can add data to the database	"This function will really save us a lot of time with inputting products"
All data must be stored permanently on tables in a database to be used later.	Yes	Data is stored on tables on MySQL database	"All the data is stored on the database"
All data will be displayed in tables visible on the GUI	Yes	Data is displayed on the corresponding tables on the GUI	"I see that all the data is there"

Employees may engage in the sale of a product.	Yes	Employees can sell a product and create a sale record	"This feature is really useful most definitely how it does all the calculations in the background"
Sales Record must be created showing revenue and product sold.	Yes	Sale record is created and displayed into table on Sales page	"This feature is working"
If the sale includes a registered customer, Total sales and spending should be recorded.	Yes	Total spending and Sales are calculated for individual customers	"This is quite practical because it automatically adds the customer sale information"
Automatic stock update	Yes	Stock is deducted according to the quantity in a sale	"The stock is automatically deducted after a sale"
Report must be generated for a summary of daily sales and total daily revenue.	Yes	Revenue is calculated and each sale is inputted into a Report which is generated as a PDF	"This feature is working as requested"
Automatic restocking sends pdf through email to corresponding suppliers	Yes	Email function allows users to login and send pdf to supplier	"This feature will definitely save me a lot of time instead of having to compile all the products that need to be restocked"
All user inputs must be validated	Yes	User inputs are validated by prompting users with error messages when incorrect input.	"All inputs are validated"

## Potential Improvements

### 1. Barcode Creation

My client has indicated that he sometimes sells goods which do not come with a barcode sticker already on so he is unable to scan the goods with his barcode scanner to get the product ID. A possible feature that could be included would be a barcode generator which would allow users to manually input the code of a product and then create a barcode which when scanned would return said code. This could be achieved with Java libraries such as barbeque.

### 2. Sorted Tables

Whilst all the cells displayed onto the GUI tables are sorted by the primary key ID, an improvement would be to make a button that would allow the user to sort the table by the different columns such as quantity, category or supplier. This would make the software even more user friendly.