Record of Tasks

Task No.	Task description	Planned Outcome	Time estimated	Target Completion date	Criteria
1) Planning					
	Finding Client	Find client with suitable problem		08/09/22	A
	Meet with Client	Meet with found client to discuss his business	2 hours	09/09/22	A
	Initial Interview with client	Q&A in order to find the problems the client is experiencing and what they are looking for	30 Minutes	10/09/22	A
	Create Success Criteria	Lay out the Success Criterias of the software	1 Hour	11/09/22	A
2) Designing					
	Decide and design solution	Decide how the product will be made and how, using what programming language and how the user will interact with the software.	3 days	12/09/22	B
	Create Top Down diagram	Splitting the program into modules will first require an understanding of each individual model and how they link with each other.	1 Day	17/09/22	B
	Write out Sample SQL Queries	Write out a few sample SQL Queries to understand the format that will be used throughout the software	30 Minutes	18/09/22	

	Create GUI visualizations	Draw out diagrams of how the GUI will look like in order to get a better understanding of how the client will interact with the program	2 Hours	16/09/22	B
	Create Database Table design	To know what data and data types will be stored in the database as required by the client.	1 Day	19/09/22	B
	Create JDBC architecture diagram.	To visualize how the JDBC drivers will be used to connect the software to the database	1 Hour	20/09/22	B
	Create Entity Relationship diagrams	To see the relationships between data types being stored in the database	2 Hours	20/09/22	B
	Create Flowchart diagrams	Understand the validation processes and how the program will flow throughout the user interaction.	2 Days	21/09/22	B
	Present GUI Visualizations and Prototype to Client	Follow up interview with the client in order to see whether or not the proposed solution fits what they are looking for and their requirements.	20 Minutes	23/09/22	A
	Create Test Plan	Create a table describing the expected output given normal, abnormal and extreme data	2 Hours	24/09/22	B
3) Developing					
	Develop home dashboard GUI	Create the GUI dashboard that will	1 Days	27/09/22	C

		act as the frontend for the database systems. This dashboard will contain all the panels containing the modules.			
	Create Product, Supplier, Category, Customer panel	A panel containing all the input boxes and display boxes for information. Also buttons to allow data to be inputted, deleted, edited.	1 Week	07/10/22	C
	Create Sales Panel	A panel where sales can be engaged by inputting product codes and suppliers as well as a display of all previous and current sales.	3 Days	14/10/22	C
	Add Search function to sales panel	Code function to search the database for inputted products and return quantity, price and other information.	1 Hour	15/10/22	C
	Create Login Page	Code a login page that will allow username and password to be entered.	1 Day	17/10/22	C
	Create User Type Function	Allow the user type to be selected on login in order to choose between Admin and employee privileges.	2 Hours	17/10/22	C
	Create corresponding database tables	Create a database schema and table to contain and store all data that will be used in this program.	1 Day	20/10/22	C
	Input initial test data into	Test whether or not the database is	20 Minutes	20/10/22	C

	database manually through backend.	functioning correctly by inputting data from the backend.			
	Add restocking panel	Code a page which will display products in the database which need restocking.	2 Hours	24/10/22	C
	Create Restocking queries	Write queries that will pull products from the database given on hand quantity is less than restock quantity.	45 Minutes	25/10/22	C
	Create report generator	Code a report generator that will generate reports for restocking and daily sales/ revenue.	3 Days	02/11/22	C
	Create Email Function	Add an email function that will email corresponding suppliers of selected restock goods.	3 Days	10/11/22	C
	Write up Criterion C	listing all techniques used in creation of modules	3 Days	10/11/22	C
4) Testing					
	Run each individual module in the program.	Immediate testing to see whether there are syntax errors that will prevent the program from running.	20 Minutes	11/11/22	C
	Run each individual module with normal data	Test whether or not the functions work as intended using normal data.	30 Minutes	11/11/22	C
	Run each individual module with abnormal data	Test whether or not validation checks are working and	15 Minutes	11/11/22	C
	Run through all	To confirm	30 Minutes	11/11/22	C

	modules together	functionality and compatibility between all the modules			
	Self Evaluation	Self feedback on the program in order to see if any modules are not fulfilling the success criteria and resolve any issues regarding user accessibility.	3 Hour	15/11/22	C
	Package program into runnable file	To allow others devices to install program easily	30 Minutes	19/11/22	D
	Installation on Clients device	The client will be able to test the program on their own device for the first time.	1 Hour	29/11/22	D
	Receive Client Feedback	Get final client feedback on the program for any bugs or missing requirements in the program.	1 Week	07/12/22	E
	Evaluate Potential Improvements	Self Evaluation on potential improvements on the software	1 Hour	07/12/22	E