

### **CRITERION B: RECORD OF TASKS**

Candidate: Brian Macharia Maina				
Planned action	Planned outcome	Time estimate	Target completion date	Criterion
Finding potential clients	Looking for managers who have management issues using their current systems	1 day	21/8/22	A
Meet with Mr. Samuel, the client, and discuss the current problems with their systems	Understanding the management issues of their current system and brainstorming possible solutions.	2 hours	23/8/22	A
Discuss with teacher about IA concept and get advice	Having my teacher check my current IA idea and advise me on whether or not it is viable and I should pursue it.	30 mins	24/8/22	A
Second meeting with the client about their current system.	Coming up with a list of objectives mentioned by the client to meet when making the solution	2 hours	25/8/22	A
Outline success criteria for the program being made for the client	Understanding the functions that need to be implemented into the client's programs to meet their requests	2 hours	28/8/2022	A
Discuss with teacher	Cross-checking with my	1 hour	12/10/2022	A

the success criteria	teacher to ensure that the criteria meets the client's needs			
Research on solution and possible methods	Researching on what is needed for the program in terms of which languages to use and how to develop the GUI.	1 week	7/1/2023	A
Developing test plan	Creating a test plan to test different features and functions of the program		15/1/2023	B
Designing Log in Page for the GUI	Developing Log in page of the program and features that allow the user to select the level of access and also recover their password	30 mins	21/4/2023	B
Designing Driver Panel for the GUI	Developing Driver panel of the program and features that allow the user to input their truck ID, trailer ID, updates and nearest city	30 mins	21/4/2023	B
Designing Manager option panel for the GUI	Developing Manager option panel of the program and features that allow the user to select the different view options	30 mins	22/4/2023	B

Designing manager view option pages for the GUI	Developing Manager view option pages of the program that allows the user to view the active drivers and trucks, nearest locations of trucks.	30 mins	23/4/2023	B
Meet with Mr. Samuel, getting feedback from the GUI design	Receiving feedback from the client and implementing any changes if requested	45 mins	27/4/2023	B
Consulting my teacher on the GUI design	Receiving feedback from the teacher and and acting on any suggestions I'm given for improvements	1 hour	18/5/2023	B
Creating flowcharts for program processes	Creating flowcharts for the different processes in the program	5 days	20/5/2023	B
Consulting my teacher on the flowcharts	Receiving feedback from the teacher and and acting on any suggestions I'm given for improvements	1 hour	3/6/2023	B
Redesigning the feedback	Implementing improvements suggested by teacher	30 mins	3/6/2023	B

Creating the GUI for each panel of the program such as the log in, driver input panel, manager menu and the pages for each table	Creating the GUI on which the program will be based on.	1 week	23/6/23	C
Creating and connecting the MySQL database to the program in netbeans	Using a connector, the program should be connected to the MySQL database to allow validation of logins and inputs to be stored	1 week	4/7/23	C
Development of login page with different user types	Creating a log in page that allows the user to select their user type like the image from criteria B and also prompt the user with an incorrect log in message if the input is invalid	1 Week	16/7/23	C
Development of panels for each user type	Developing Driver and Manager panel in entbeans depending on their login and allowing them to go back to the log in page through a sign out button	2 Weeks	7/8/23	C
Development of the	Creating input boxes for the	1 week	14/8/23	C

panel for driver panel with input boxes	Driver user to allow inputs which are then stored in the MySQL database.			
Development of different display panels for each table for the manager	Creating different panels that will display each table category chosen by the manager in the menu.	1 week	23/8/23	C
Development of Pie Chart to display capacity of available trucks against unavailable trucks	Creating the Pie Chart that will display the number and percentage of available and unavailable trucks.	5 days	1/9/23	C
Development of Refresh function for tables	Creating a refresh function to allow the manager to regularly refresh the tables and view new inputs.	1 day	7/9/23	C
Creating test plan	By creating a test plan, different functions of the program such as the log in and the input of data from the driver panel can be tested	1 day	9/9/2023	C
Test program using test plan	Testing program against the test plan to discover any hidden errors.	2 days	10/9/23	C

Debugging the program	After discovering errors while testing the program, bugs should be fixed and tested after correction.	1 week	17/9/23	C
Check in with the client	Going through Pie Chart function to check if it suits the clients needs.	1 week	24/9/23	C
Create script for Video	To create a script which goes through the test plan and the feature of the program.	2 days	26/9/23	D
Record Video	To create a video going through the script and the test plan to test the program	3 days	29/9/23	D
Give final program from client	Providing client with the final product to implement in their buisness to gain feedback at a later date.	1 month	29/10/23	E
Get feedback form client	Client gives feedback based on use of the application.	1 day	30/10/23	E
Evaluation of the success of the	Feedback from the client is used to evaluate the success of	5 days	4/11/23	E

program	the program			
Creating suggestions for program extensions	Based of the evaluation, suggestions should be made to implement and imprpove the functionality of the program.	1 day	6/10/23	E