Criterion E: Evaluation

Success Criteria	Met/Not Met	Explanation
1. The program will have a login interface for the internal and external stakeholders of the company (this includes the different administrative personnel: employees, administrators, and customers respectively).	Met	A login interface was created with a combobox that allows users to choose their user type. This grants different accesses to administrators, employees and clients.
2. The program will contain an administrator's menu that will have five buttons namely: "employees accounts", "administrators accounts", "clients accounts", "view tasks", and "exit" which all individually link to different e-platforms on the company's system.	Met	Every button on the administrator menu redirects the user to the respective portal.
3. The administrator portal on the program will also contain buttons and checkbox features alike which are:- to accept, reject, assign, edit, and view sent requirements.	Met	The administrator is able to accept, reject, assign, edit, and view sent requirements through the use of SQL language: queries and prepared statements.
4. The program will also allow the administrators to add, remove, view, or edit the clientele, workforce, and other administrators' accounts.	Met	Administrators can create, delete and edit the information of any type of account.
5. The program will allow administrators to generate a random password for every account they create.	Met	Administrators can generate a random password that contains a prefix of the type of account being created.
6. The program will contain the client´s portal which allows clients to create or delete a task and also edit its information.	Met	Clients can successfully create or delete a task and edit some of its information.
7. The program will generate a unique task ID for every task	Met	When a client creates a task, a record is added to the database table Tasks and the field "TaskNum" (the primary key) increases by 1

by the auto incrementation SQLite feature.		automatically.
8. Clients will be able to assign a level of priority following a set of numbers ranging from 1-5 (from least to most urgent) using a combo box, as well as include a short description and a due date for each task.	Met	Clients are able to assign level of priority and a short comment to their tasks.
9. The program will display in the employees' interfaces a list of all the tasks being sent by clients that were assigned to them.	Met	After signing in with an employee account, by clicking on the button "view tasks", all the tasks that were assigned to the account that logged in are displayed on the JTable.
10. The employee's portal also has a combo box to update the status of the task based on the assigned client's request by selecting from: "completed" or "in progress" remarks for the task completion status. Furthermore, employees are allowed to write comments on every task.	Met	The system enables a combo box and a text field for the employee to update the status of the selected task and add or edit the comment on it.
11. The program will allow all users to filter and search for their corresponding and authorised data from the database.	Met	The flexible filtering functionality filters the data displayed on the JTable according to the filters selected. The locator filter displays data on the JTable according to the letters written in the textfield.

Improvements:

Discussions were made with the client on how the system could be further improved.

Usability and design:
- Colours: The client commented that he would like to have colours on the system. Firstly, to distinguish important buttons and features easily. Secondly, to make the program relatable to the ethos of the firm; the system would contain colours that match with the signature colours of the business. Colours would also be added into the database: the client agreed that it would be beneficial to assign colours to the tasks according to their priority as it would further improve the usability of the system.

- Images and icons: The client expressed that he would like to have icons replace some of the buttons to reduce the amount of text. The system could benefit from the use of icons, as they would be used to represent the functionality of each button. This would make the program more user-friendly.

<u>Extensibility:</u>

The client suggested that it would be beneficial for the system to change and be upgraded to be more functional by including a section of statistical analysis in the menu. The client would like administrators to evaluate the employees' progress on tasks of different priorities as well as the list of requirements sent by the clients easily. This would be done by the use of graphs, Jtables, and CSV files. Also, a new table in the database would be necessary to store all the quantifiable data in order to perform the calculations to arrange the information. Furthermore, more libraries would have to be imported into the system to display the graphs; Jasper Reports could be utilised.
Additionally, the client expressed that he would like her employees to be notified through an email when the deadline of a task is within 5 days. He mentioned that this would save time and avoid delay completion of tasks. An SMTP server would be needed and a field named "username" would have to be added into the database tables Administrators, Employees and Clients.

Word count: 334