

Criterion E: Evaluation

Usability

All of the success criteria are met and the main functions are mentioned and tested below.

- The user will successfully be able to log in if the username and password are correct, otherwise, create an account or change their password.

I tested this function through creating a new account and inputting the correct credentials on the Log In form. I also tested it with incorrect data and the program displays an error message that the username or password are incorrect. Moreover, when the fields are empty the program asks for them to be filled. All the information is saved in SQLite databases for all the users and accessed at any time.

- The table of opportunities appears in the Browse section of the program.

The table of opportunities is correctly connected to the database and is updated whenever changes are made. When double clicking on a row a frame with more details opens. The users can add selected opportunities successfully and remove them through the Remove button in the MyOpportunities class. All the entries of the tables can be filtered through a JComboBox and a Search tab which show results compatible with the

Client feedback

My client likes the interface of the program and the fact that it has a login function. I made this so it would be usable from other users as well.

In our last interview about the functionality of the program, my client was happy with the structure of the program and the usage of different tabs. There are some functions that he would like to be added, so that is part of my future development plan for the program.

Future improvements

Although I achieved most of my intended functions, there are many other things that I would add in a future version of the program to make it more secure and efficient.

I would **improve the interface** to make it easier for the users to follow and substitute the use of tables with another more appropriate mean. However, this version is accepted by my client and is easily usable by him.

Moreover I would add **more secure means** to creating and maintaining an account by confirming the account through email and also being able to change their password, username or data, which at the moment can be made only through the admin changing the database. They could use the security question and answers to change their password which will automatically be updated in the database. Users would be able to filter and search the entries of the tables. Also, the users can log in to different profiles if they are Student or Organization and have different ways of viewing their profiles. I would

add another tab (class) called “My Account” where users can manage their personal information and change it, add a profile picture, add a resume etc. with all the data being updated in the database.

In terms of functionality I plan to add several more functions to make it more efficient. I plan to add a function that would allow the user to remove data from their saved Contacts or Opportunities. I would also make the usage of the database easier through eliminating the usage of a table for personal contacts and opportunities and using a joint table that saves the id of the users into the id's of the opportunities. If users already have saved a contact or opportunity, a warning message would appear. Finally, I would also make it possible for users to send emails to their contacts, attach files and photos and much more.

Word count: 680