CSC1023 Project Part B Report

Student Number:

**Task 1**

* Proof of function (here you should explain how your code makes the new functionality working):

After adding my code, the user can now use the customer search to search using the company name, person’s name or country.

The user can enter the company’s name or similar to it to search specifically for a company. This will display a list of company’s names and a number beside, which the user can select/type in to select this record to view or log contacts with that specific company.

If the user enters something that does not return anything with a query where CompanyName is being checked, it will then run a query that checks the user’s value against the PersonName in the wcrm\_Company table. This will still return a list of company names but uses the PersonName field as a search criteria instead. The user can select the number beside each company to view or log contacts.

Finally, if the user enters a country name which returns a blank query when searching against CompanyName or PersonName it will run a query using the Country as search criteria. After running, it will display a list of company’s which country is similar or equal to the user’s entered value. The user can select which company it wishes to view or log contacts with.

This is achieved with an if statement checking if the value gained from executing that query is false. If it’s false, it updates the query variable to search the database using the respective search criteria for each requirement. i.e. it will search the database using the PersonName field. If this does not execute as expected it will use the Country field.

The code changed is following the try statement in the CustomerSearch() method and before the ResultSet statement is called. This is so the correct query is executed for the data the user enters.

* Any notes or concerns (optional – if you experienced a problem or couldn’t get it quite to work explain what you did here – if everything worked fine the above will be enough):

**Task 2**

* Proof of function (here you should explain how your code makes the new functionality working):

Using the search function, searching for the company using the term “simplified” and selecting the only one from the list, after entering V to view the logs the ContactID 5 is no longer being displayed as the field visible is equal to 0, all other contacts relating to this Company are being shown.

Achieved by changing the query used in searching from SELECT \* FROM wcrm\_Contact WHERE CompanyID=”CompanyID+” AND Visible != 0”; so that the query searches for any contacts where the visible is not 0 (i.e. the contact is set to visible).

* Any notes or concerns (optional – if you experienced a problem or couldn’t get it quite to work explain what you did here – if everything worked fine the above will be enough):

**Task 3**

* Proof of function (here you should explain how your code makes the new functionality working):

To create the ability to set the contact to visible or not visible when logging, I edited the LogContact() method. I added a prompt to the user which asks for a Y or N value. After the user enters this, it creates the actual value that will be used as part of a query to run when the user is finished logging the contact. If the user had entered a Y, for yes, it is equivalent to the value 1 in the database. Therefore the actual value to be entered in the log is set to 1. Otherwise it is 0.

* Any notes or concerns (optional – if you experienced a problem or couldn’t get it quite to work explain what you did here – if everything worked fine the above will be enough):

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