# Item 1 GUI:

Inside the futher\_documentation folder there are screen shots showing the final implementation of the new Administrator Graphical User Interface that I constructed.

# Item 2 New Fetching Methods:

Given the restructure of the administrator application new methods had to be built to better suit the new programmatic topology of the program, below are two examples of new methods;

1 – Get Users methods

sda = new MySqlDataAdapter();

MySqlCommand cmd = new MySqlCommand(@"SELECT user\_id, first\_name, last\_name, username, dob, role, email FROM users ;", connection);

sda.SelectCommand = cmd;

sda.SelectCommand.CommandTimeout = 0;

dt = new DataTable();

sda.Fill(dt);

return dt;

2 –Get Instruments method

sda = new MySqlDataAdapter();

MySqlCommand cmd = new MySqlCommand(@"SELECT \* FROM instruments ;", connection);

sda.SelectCommand = cmd;

sda.SelectCommand.CommandTimeout = 0;

dt = new DataTable();

sda.Fill(dt);

return dt;

# Item 3 business Letter:

In the futher\_documentation folder there is a copy of the business letter to which I contributed. The contribution I made is highlighted in green.

# Item 4 Edit Methods:

The final functionality of the administrator application was to be implemented in this sprint, this is the admins power to edit information in the database given the new design this method was made remarkably more simple and easy to implement. The following is the methods that grant this functionality;

scb = new MySqlCommandBuilder(sda);

sda.Update(dt);

# Item 5 Clean-up of Old Admin Terminal:

The deletion of the old and outdated methods used for the old administrator terminal application had to be cleaned from the code in a manner ensuring no negative effect was felt anywhere else in the code. Changes were made to DatabaseConnector.cs in this process.