LONDON METROPOLITAN UNIVERSITY

islington college
(इस्लिङ्टन कलेज)

Module Code & Module Title

CS6004NI Application Development

Assessment Weightage & Type

30% Individual Coursework

Year and Semester

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1. Introduction

Visual studio can also be used for developing web sites, web applications, and web services. IT uses Microsoft software development platforms such as Windows API, Windows Forms, Windows Store, Windows Presentation Foundation, and Microsoft Silverlight, Including a code editor that support IntelliSense, Visual Studio is written in C++ and C# and offers a an integrated debugger that works both as a source-level debugger and a machine level debugger.

As this coursework is about to create an application based on feeding/rating system in which the application must allow the admin user to input different criteria to give feedback and to rate the services and allow customers to input the feedback/rating point. For this, at first simple of GUI is required to show visualization of GUI, which is shown in main form called Form1. This system includes a form which carry different data of customer. It also contains different buttons key to show different functions. There are also different labels and text field to input customer detail. There is one button called load data from CSV through which we can add the rating Graph into form.

Moreover, there are descriptions of individual tasks, method descriptions, information about shot were mentioned, and also there is section of testing. As in the testing section various test cases were implement to test either the program runs properly or not.

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2. Manual to run the application (each deliverables screen shot is required:

Figure 1: Opining GUI of System

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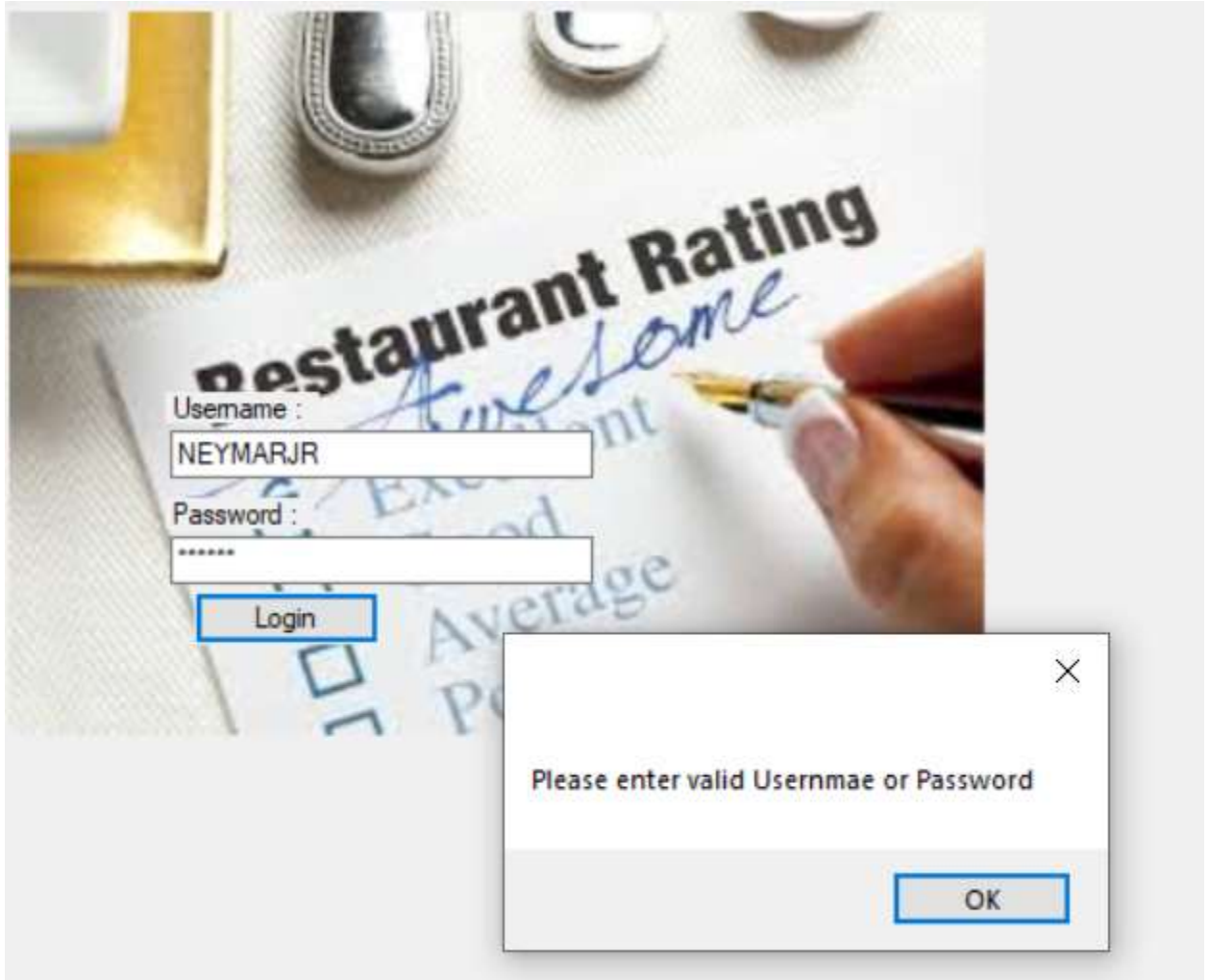
Figure 2: Screenshot of Login in System

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Figure 3: Screenshot of Form after Login with right Username and Password

Figure 4: Screenshot of GUI after selecting every item to give review

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Figure 5: Screenshot of excel file after adding data
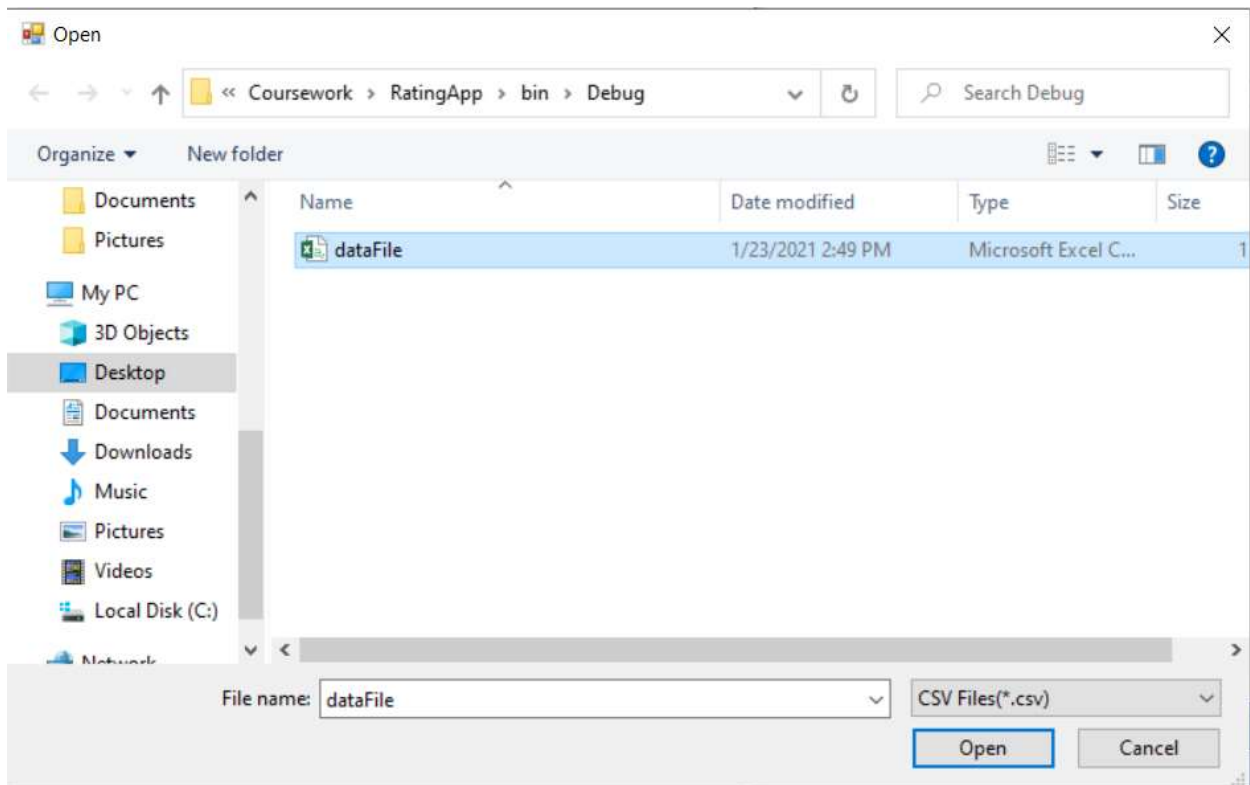
Figure 6: showing the path of CSV data where the data is stored

3. Test Cases (each deliverables):

3.1.   Testing No 1:
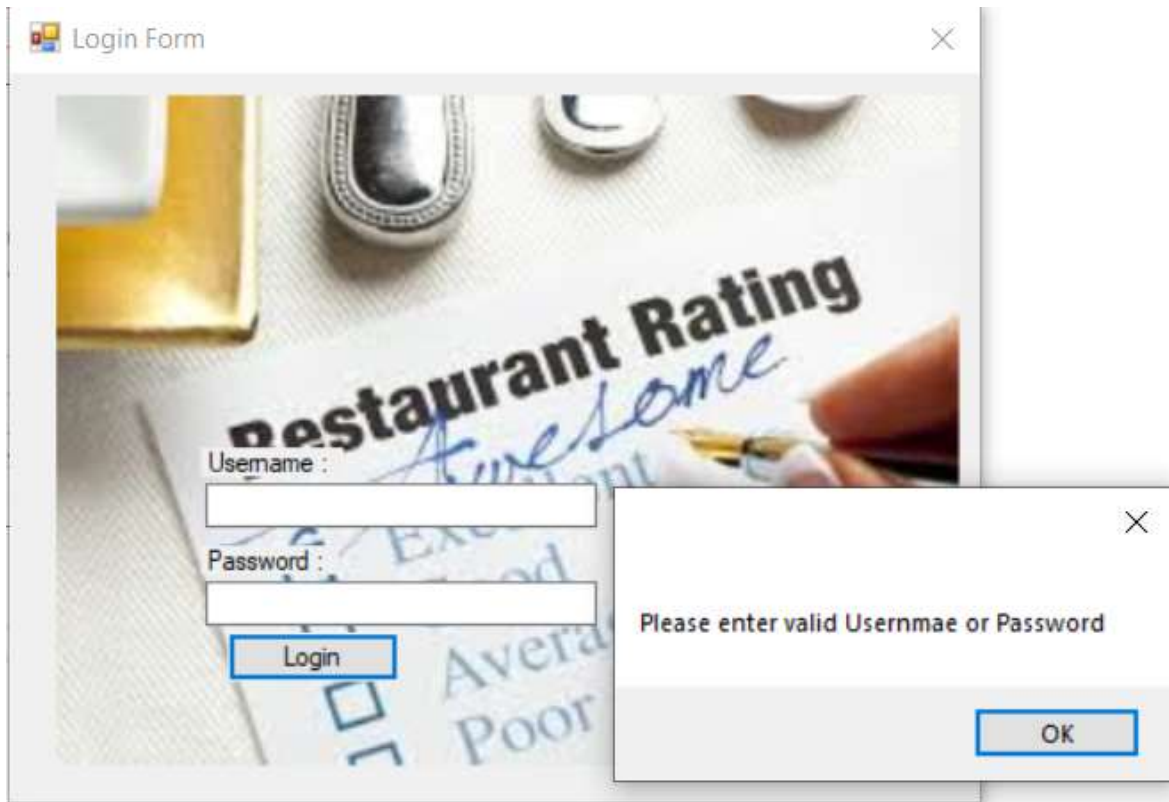
Figure 7: testing application by login without Username and Password

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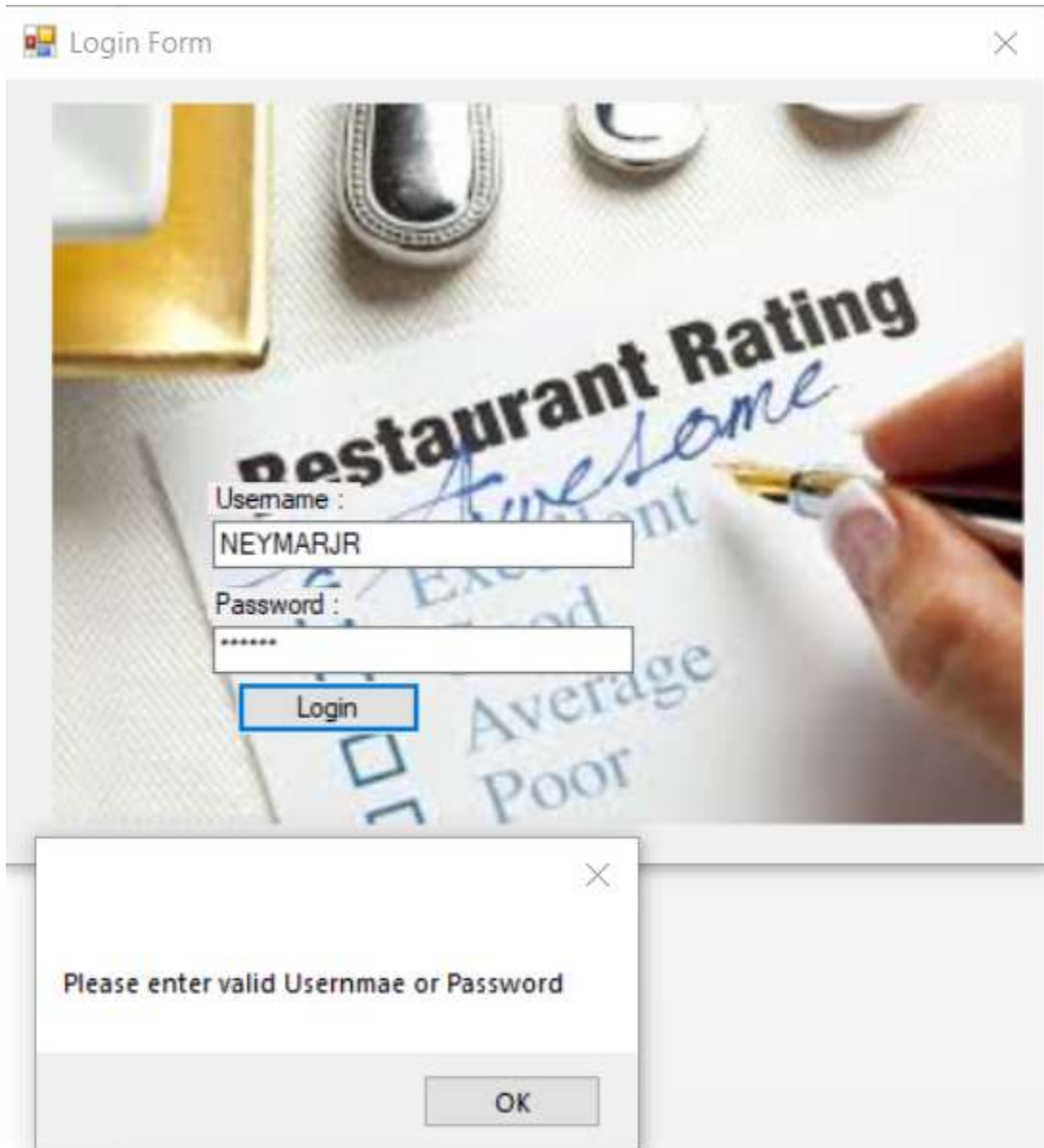
3.2.   Testing No 2:

Figure 8: testing application by login with wrong Username and Password
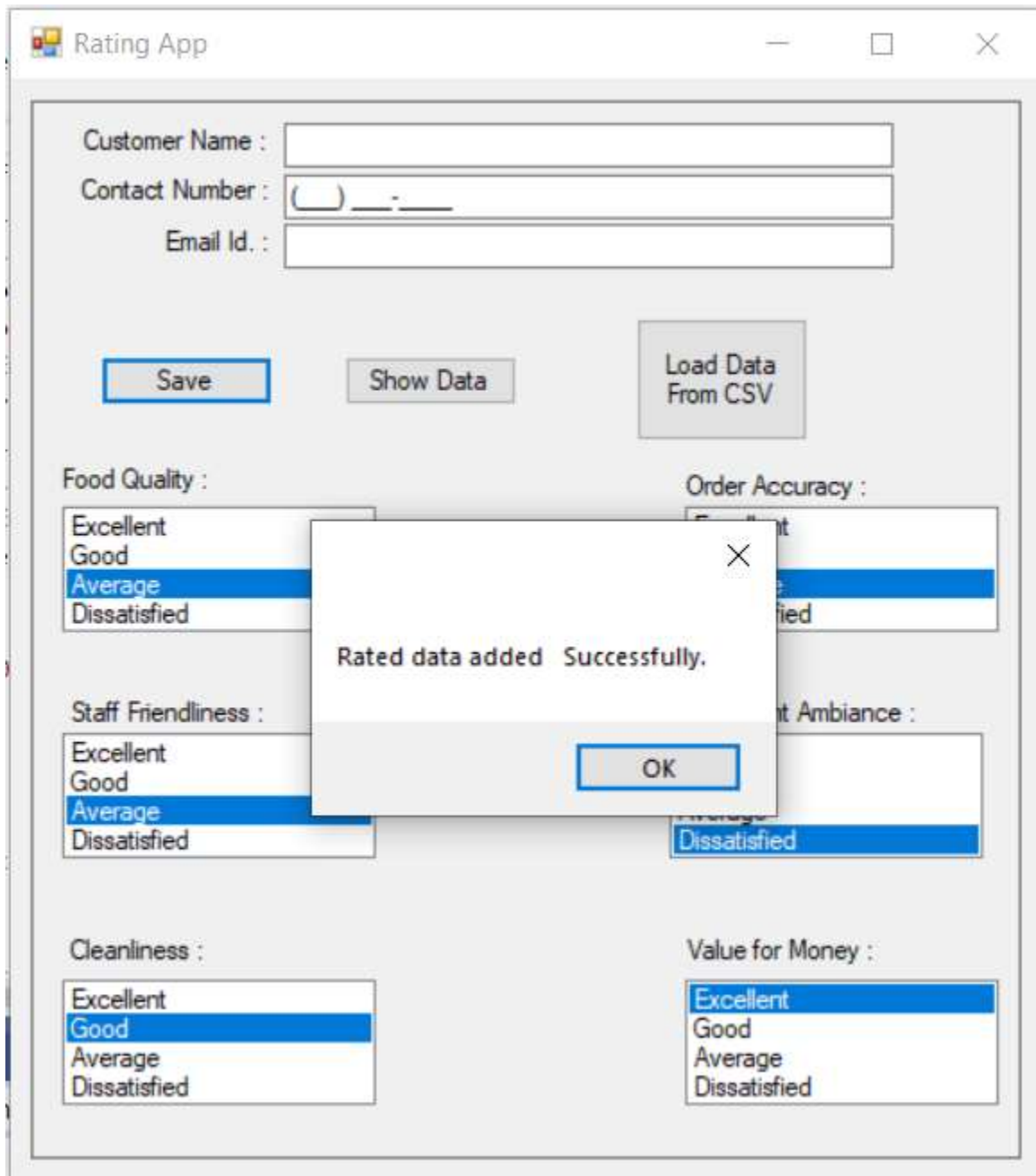
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3.3.   Testing No 3:

Figure 9: testing application by login without selecting reviews

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3.4. Testing No 4:

Figure 10: testing application by login without giving all the reviews

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4. Software Architecture Diagram:

An architectural diagram is a diagram of the system used to summarize the overall outline of the software system and the relationships, constraints and boundaries between the components. It is an important tool as it provides an overall view of the physical deployment of the software system and its development roadmap (Alibaba Clouder , 2021). The architectural diagram of whole system is:
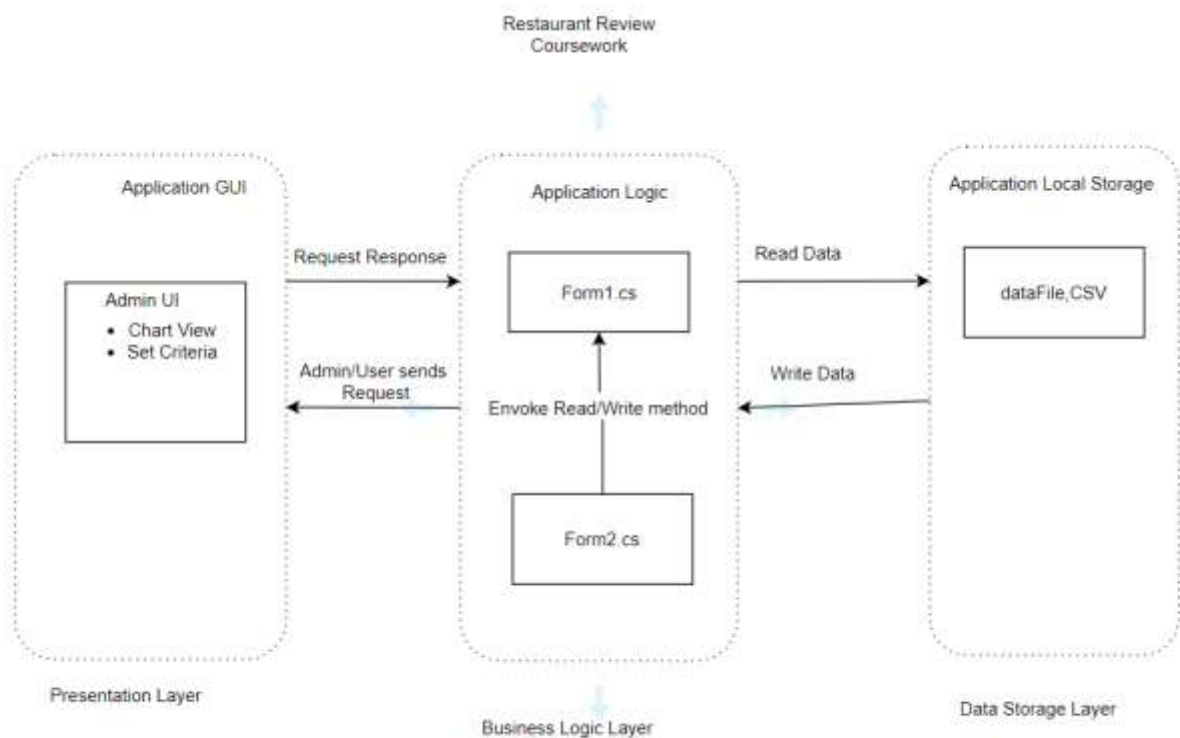
Figure 11: Software architectural diagram of whole System

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5. Description of methods and classes:

button1_Click(): This method is used to save the information of customer.

Form1_Load(): This method is used to indicate the creating and locating file in which we are creating main form called Form1.

btnShow_Click():This method is used to show the all information of Customer after saving the data.

button2_Click(): This method is used to rating file data loaded after saving.

Form2_Load(): This method id used to Grid and view the stored data.

Main(): This method is main method of program through which we can execute.

btnExit_Click(): This method is used to exit the hole program.

btnLogin_Click(): This method is used to give strong security to application.

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6. Flow chart:

A flowchart is a picture of the separate steps of a process in sequential order. It is a generic tool that can be adapted for a wide variety of purposes, and can be used to describe various processes, such as a manufacturing process, an administrative or service process, or a project plan. It's a common process analysis tool and one of the seven basic quality tools.

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Elements that may be included in a flowchart are a sequence of actions, materials or services entering or leaving the process (inputs and outputs), decisions that must be made, people who become involved, time involved at each step, and/or process measurements (Anon., n.d.).

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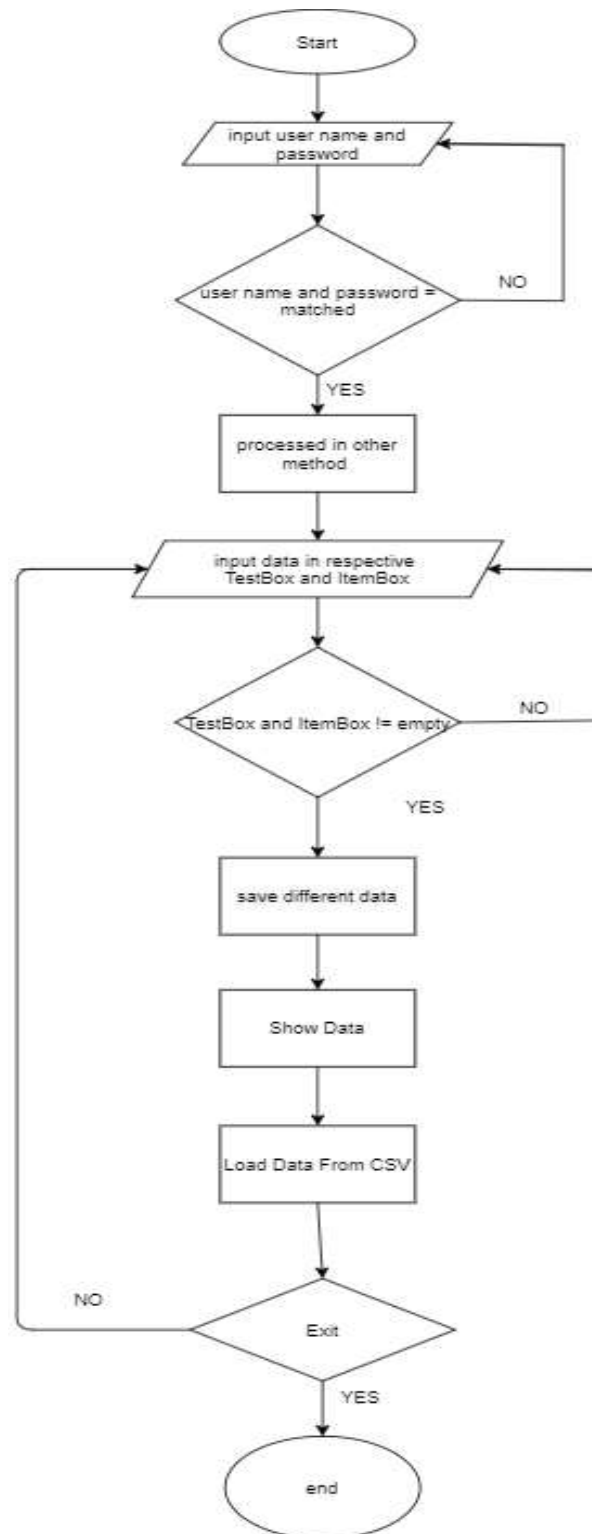
Figure 12: Flow Chart of whole System

7. Algorithms:

The precise and executable sequence of instructions to solve particular problem is termed as algorithm. It contains limited number of steps for involving repetition of operation. We list steps to steps to know how the system works, the steps are:

Step 1: Start program by entering user name and password

Step 2: If this user name and password match, open new GUI form called Form1, else error message occurs.

Step 3: Enter in TextBox ID and select all item from respective ListBox

Step 4: if any TextBox or ListBox aren't empty, saved the item and values, else give error message.

Step 5: obtain the save data from show Data botton and Data from CSV.

Step 6: program end sussesfully.

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8. Conclusion:

As this is individual coursework and we are facing this lockdown crisis, from the date this coursework given, we discussed at a topic a day. As this coursework is about to create a C# based feedback/rating system by using Visual Studio 2019 project. It includes different list of data and features, labelBox for giving reviews toward different menus, text fields for all input data and the form of this coursework includes at different categories and different items. In the beginning of assignment, we create one Login GUI form, in which we enter Username and Password to system. After login we entered into reviewing form, in which we give ours name, address, and phone number and we also select many labelBox item to take part in reviewing restaurant's fooding Quality, Staff Friendliness, towards their Cleanliness, their order Accuracy, Restaurant Ambiance and value for Money. We can also store ours data and can be seen the reviewer data. By doing this coursework, we become capable to handle various errors and exceptions. For this information system we implemented a system validation with appropriate dialog boxes. Various test cases were built for the inputs, execution. Also we become more familiar to array list which we used on this project. At last we attach wireframe to show our practise more. At first we have no idea about our coursework and we fell very hard to complete, but, but by taking help from teachers and friends and doing many research in books, internet and reading lecture and workshop slides I was able to create our scenario into many steps, which helps me to complete my coursework. As group coursework is harder and difficult than individual coursework. After all a lots of challenges and difficulties were faced and many effort were needed to complete this coursework.

9. References:

9.1. Bibliography:

Alibaba Clouder , 2021. [Online]
Available at: https://www.alibabacloud.com/blog/how-to-create-an-effective-technical-architectural-diagram_596100
[Accessed 10 04 2020].
Anon., n.d. [Online]
Available at: https://asq.org/quality-resources/flowchart
[Accessed 23 01 2020].

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