Group Project Report

Course Title: *Software Development Sessional – II*

Course Code: *CSE-2204*

Supervisor: *Mohammad Raihan*

Project Tittle: SIMPLE_RESTAURANT_ORDER_IN_JAVA.

Participants:

20201018010

20201004010

Contributions:

> ### 20201018010 -> Sadia Binte Liza

• Interaction Diagrams:
1. Redesigned all of our Interactions Diagrams and made all the changes needed
to accommodate the whole structure. Redraw all the Interaction Diagrams after all the
updates were made to the Use the project and print the bills and placing order.

• System Architecture and System Design:
> - Developing the GUI from scratch.
> - Redesigned the Payment options.
> - The Numeric Numbered jbutton was fully implemented and their backend logics.

• User Interface Design and Implementation:
1. Introduced the Chef GUI interface and updated the Examples of the User
Interfaces showing the progress on implementation of our User Interfaces.
3. Revised the description of the User Interfaces and the way they interact with
each other.

• Functional Requirements Specification:

Worked on the full description for eighteen of our fully described jbutton and
modified a few of the jpanel described earlier in the design.

• Described Summary of Changes and listed all the changes under each activity.

> ### 20201018010 -> Md. Shakib Hossain

• Described Summary of Changes and listed all the changes under each activity.

• History of Work and Current Status of Implementation:
1. Described the History of Work throughout the whole lifetime of the project.
2. Compared side by side the initial goals with what was actually achieved.

• Conclusions and Future Work:
1. Describe the learning experience throughout the project and important
conclusions that were drawn from all the Team Members at the end of this
course.
2. Expressed the Future Plans of Group 13 in possible new products as well as
describing the additional features for POS project that are planned to be
implemented.

Abstract

This software is based on FSKTM Restaurant to maintain their entire business. This application is made to order food and maintaining other officials.

In this report, we designed and developed a simple restaurant order system project, which is used to make bills in a restaurant, helping the **24/7** type shops to maintain their business, making bill receipt, keeping the product images in the display so that it becomes easier for the customer to order in case for a kid or any old grandparents of us. FreeHand (move the mouse using your hand to place the **jbutton** and specify the size and alignment in **jpanel**). Several tools such as **Undo** and **Redo** process, set **layout**< **absolute layout** for **jpanel**, set the border for **jpanel** to <**SoftBevelBorder**> set the layout, action perform for the **jbutton,** set Background Color & set Foreground Color through default package and display the images as **jbutton< icons** {process: **jbutton**< **left mouse click**< **properties< icons}.**

The purpose of this project is providing the restaurants, roadside food stall an easier graphical user interface to maintain their business. This powerful point of sale project also helps the seller to make the payment process including taxes and changes after purchase the products. This project implemented using the components from Java's **AWT** and **swing library** in the Java programming language (Eclipse IDE 12.1). As the final result of our project is enabling you to use FreeHand to select the product < food, groceries etc.> with a click. We can add food items as much we want. We can also add, delete, update labor information. This software also helps to edit the order, like any miscount can be removed easily. Now at the age of modern technologies putting a full stop to witting bill on paper and using calculator to sum the total then counting the taxes and calculating the changes of the currency again with the calculator. There is no place of making mistakes with counting in mind or any miss count and error causing with the calculator, in this modern era of digitalization our project is to removing all the counting error and wasting time and paper by writing down it on paper.

This software is also very helpful to maintain a restaurant business. Using this application for ordering and maintaining stuff, food items. Moreover, there are lots of shortcuts that will be more helpful for the restaurant. This software is very handful and easy to use.

IDE: Eclipse

Language: Java

Highlights

*Installation and the maintenance of the device will be free of cost.

* This machine is compatible for all kind of edits.

* Wide range of terminals.

* Transparency in dealing.

* No hidden charges.

Unique Selling Points

- Zero Cost for machine
- Free maintenance
- Free installation
- No recuring expenditure
- No annual maintenance charges
- Free of cost training will be provided for merchant
- No requirement of minimum business volume
- No hidden charges
- 0% merchant discount rate for petrol pumps.
- Mapped with current or cash credit account
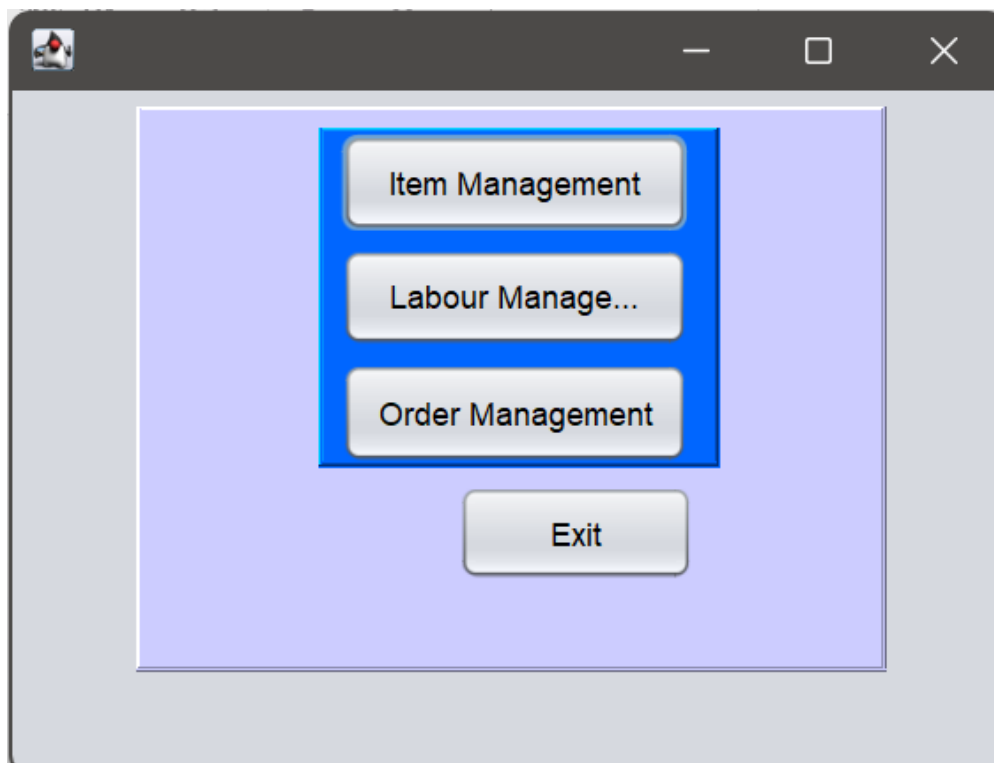
Introduction

This software has a very tight security. At the very first we have to put authorized username and password in the login registration form.
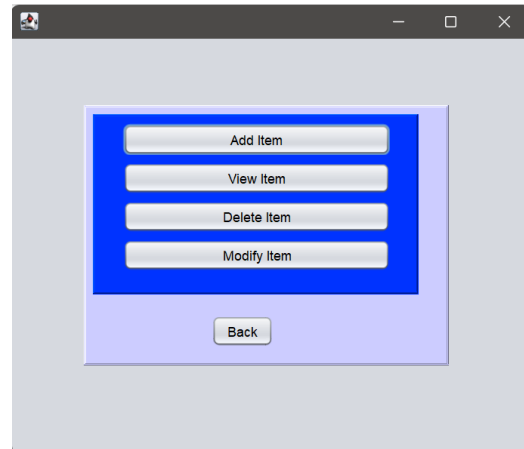

After that er will be taken to the very first interface the software shows its actual interface. Here we've to make choices each time to use this for the restaurant.

Item management and Labour management both has 4 different individual work methods. As we can see here.

Item Management

Add Item

View Item

Delete Item

Modify Item

Back

Add Labour

View Labour

Delete Labour

Update Labour

Back

Labour Management

As we can see the management methods, we have used over here is very creative. We can add, delete, update or view any food items information and as well as labours information. We can also contain the price and quantity of the food items. In labour management option we can add labour's ID and salary. It will help to maintain the stuff those who work in the restaurant.

Final section is the order management its very easy to manage the orders. Not only managing the orders we can also show the sum of total. We can also add or delete from the cart before we proceed the order. And also, after placing a single order we can place as much order as we want.

Order management system is the very first generation of evolution to keep the business details up to date. Here are some captures from the factory.
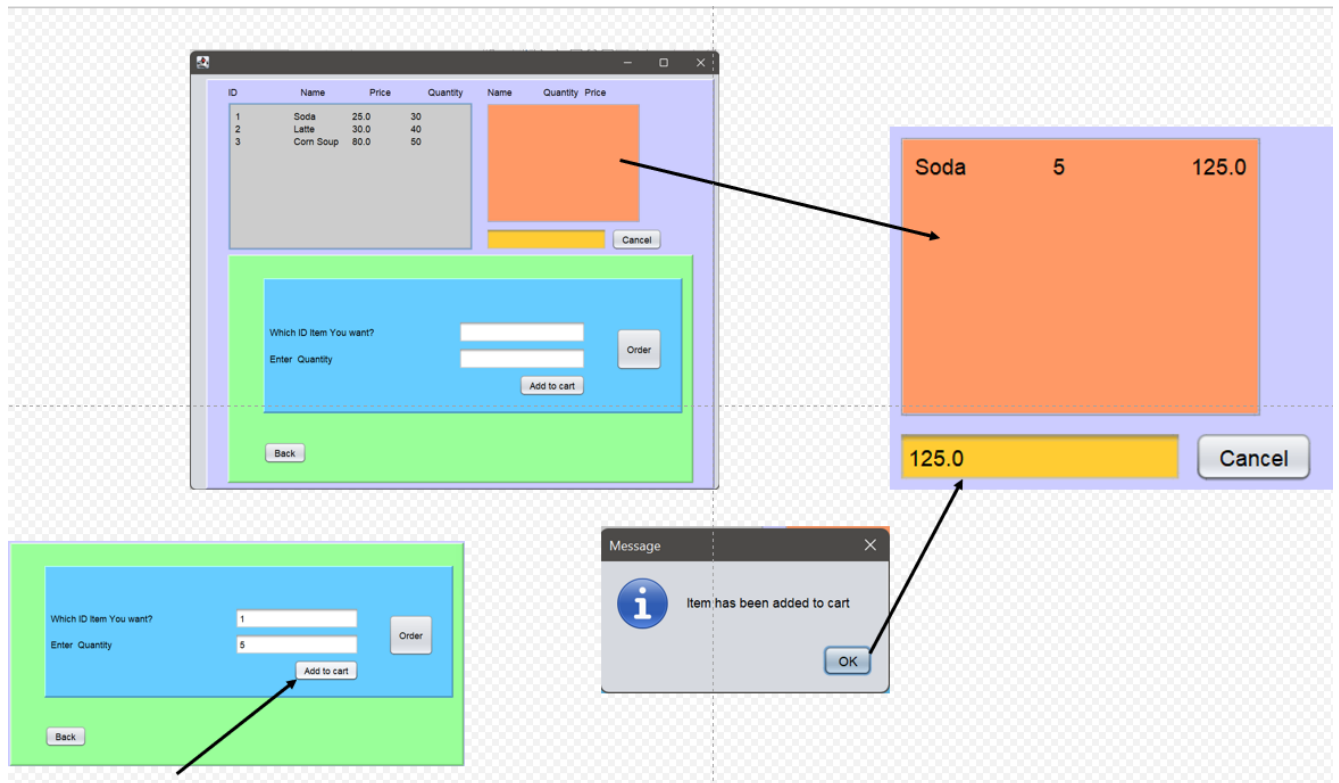
Limitations

It is said that "Nothing is perfect" and if the quite is true, I am sure that there would be few shortcomings in this project also. Sincere efforts have been made to eliminate discrepancies as far as possible but few would have reminded due to limitations of the study. These are:

- The primary data is collected through web on group members suggestions.
- The research was carried out in a short period.
- The research is very limited to our researcher team.

CONCLUSION

This positive note concludes the report. This may prove to be useful to the users who thinks about the simple restaurant order system is good for achieving new heights. Simple restaurant order system is a very user friendly and its highly enabled to meet any future changes as per to client's demand.