

Report

Customer Billing System

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INTRODUCTION TO THE PROJECT

- Customer billing system is a project which aims in developing a computerized system to create a bill ordered meals and drinks of a restaurant. This application is being developed to maintain the billing of restaurant in the best way possible and it reduces the human efforts.
- Java is a high-level, class-based, object-oriented programming language that is designed to have as few implementation dependencies as possible.
- So, Java was chosen to design and build up this project.

OBJECTIVE OF THE PROJECT

- The main objective of this project is to create bill of customer what the customer ordered for take. It is a quick process to make bill of customer unerringly. Its an user comfort system and it reduce human efforts . Nowadays, people are using different technologies in their work. So, this application is applicable for restaurant's employees and it minimizes the employee's work.

Tools

- Language Used : Core Java
- Concept Used : Swing
- IDE Used : Netbeans IDE 8.2

METHODOLOGY OF THE PROJECT

- Firstly quantity of each ordered meals and drinks should be given. After giving this clicking 'Total' button total cost of item and total bill with tax will show.
- Clicking 'Receipt' button the receipt of the bill will show on text area;
- User can reset all the data anytime by clicking 'Reset' button and exit anytime by clicking 'Exit' button.
- To implement this project, I used language core JAVA and concept JAVA Swing. I used some classes like JFrame, JTextArea, JTextField, JPanel, JLabel etc, of JAVA Swing package.

Screenshots(Continued...)

Customer Billing System

Meals	
Filet-O-Fish	2
Chicken Burger	4
Chicken Legend	1
Chicken Meal	5
Cheese Burger	3

Drinks	
Milk Shake	2
Vanilla Cone	6
Classic Vanilla	3
Vanilla Shake	8
Chocolate Shake	7

Cost Calculations	
Cost of Meal	TK. 3865.00
Cost of Drinks	TK. 3360.00
Total Cost of Items	TK. 7225.00

Tax and Totals	
Tax	TK 722.50
SubTotal	TK 7225.00
Total	TK 7947.50

Receipt

Customer Billing System:
reference 4703

Meals: TK. 3865.00
Drinks: TK. 3360.00
Total Cost of Items: TK. 7225.00

Tax: TK 722.50
SubTotal: TK 7225.00
Total: TK 7947.50

Date: 25-Apr-2022 Time: 23:00:15

Thank You

Total Receipt Reset Exit

Screenshots(Continued...)

The screenshot displays a 'Customer Billing System' interface. It features a menu with two columns: 'Meals' and 'Drinks'. The 'Meals' column lists items like Filet-O-Fish, Chicken Burger, Chicken Legend, Chicken Meal, and Cheese Burger with their respective quantities. The 'Drinks' column lists items like Milk Shake, Vanilla Cone, Classic Vanilla, Vanilla Shake, and Chocolate Shake with their respective quantities. Below the menu, there are two summary boxes: one for 'Cost of Meal' and 'Cost of Drinks' totaling 'Total Cost of Items', and another for 'Tax' and 'SubTotal' totaling 'Total'. At the bottom, there are four buttons: 'Total', 'Receipt', 'Reset', and 'Exit'. On the right side, there is a receipt area showing the 'Customer Billing System' details, including a reference number, itemized costs for meals and drinks, tax, subtotal, and total, along with the date and time.

Customer Billing System	
reference	4886
Meals:	TK. 1360.00
Drinks:	TK. 2090.00
Total Cost of Items:	TK. 3450.00
Tax:	TK 345.00
SubTotal:	TK 3450.00
Total:	TK 3795.00
Date: 25-Apr-2022	Time: 23:02:33
Thank You	

Screenshots(Continued...)

Customer Billing System

Meals	
Filet-O-Fish	7
Chicken Burger	1
Chicken Legend	7
Chicken Meal	4
Cheese Burger	6

Drinks	
Milk Shake	1
Vanilla Cone	3
Classic Vanilla	5
Vanilla Shake	0
Chocolate Shake	0

Costs	
Cost of Meal	TK. 6815.00
Cost of Drinks	TK. 1190.00
Total Cost of Items	TK. 8005.00

Tax and Totals	
Tax	TK 800.50
SubTotal	TK 8005.00
Total	TK 8805.50

Receipt

Customer Billing System:
reference 1933

Meals: TK. 6815.00
Drinks: TK. 1190.00
Total Cost of Items: TK. 8005.00

Tax: TK 800.50
SubTotal: TK 8005.00
Total: TK 8805.50

Date: 25-Apr-2022 Time: 23:04:11

Thank You

Total Receipt Reset Exit

Screenshots(Continued...)

The screenshot displays a 'Customer Billing System' interface. It features a main title bar, a menu section with 'Meals' and 'Drinks' categories, a summary section with 'Cost of Meal', 'Cost of Drinks', and 'Total Cost of Items', a tax section with 'Tax', 'SubTotal', and 'Total', and a receipt section. A confirmation dialog box is overlaid on the interface, asking 'Confirm if you want to exit' with 'Yes' and 'No' buttons.

Customer Billing System

Meals	
Filet-O-Fish	4
Chicken Burger	4
Chicken Legend	1
Chicken Meal	2
Cheese Burger	1

Drinks	
Milk Shake	3
Vanilla Cone	4
Classic Vanilla	7
Vanilla Shake	1
Chocolate Shake	5

Cost of Meal	
Cost of Meal	TK. 3315.00
Cost of Drinks	TK. 3040.00
Total Cost of Items	TK. 6355.00

Tax	
Tax	TK 635.50
SubTotal	TK 6355.00
Total	TK 6990.50

Customer Billing System:
reference 4148

Meals: TK. 3315.00
Drinks: TK. 3040.00
Total Cost of Items: TK. 6355.00

Tax: TK 635.50
SubTotal: TK 6355.00
Total: TK 6990.50

022 Time: 23:05:32
Thank You

Customer Billing System
Confirm if you want to exit
Yes No

Total Receipt Reset Exit

Screenshots

Customer Billing System

Meals	
Filet-O-Fish	4
Chicken Burger	4
Chicken Legend	1
Chicken Meal	2
Cheese Burger	1

Drinks	
Milk Shake	3
Vanilla Cone	4
Classic Vanilla	7
Vanilla Shake	1
Chocolate Shake	5

Cost Calculations	
Cost of Meal	TK. 3315.00
Cost of Drinks	TK. 3040.00
Total Cost of Items	TK. 6355.00

Tax and Totals	
Tax	TK 635.50
SubTotal	TK 6355.00
Total	TK 6990.50

Customer Billing System:
reference 4148
=====

Meals: TK. 3315.00
Drinks: TK. 3040.00
Total Cost of Items: TK. 6355.00
=====

Tax: TK 635.50
SubTotal: TK 6355.00
Total: TK 6990.50
=====

Date: 25-Apr-2022 Time: 23:05:32

Thank You

Buttons: Total, Receipt, Reset, Exit

CONCLUSION

- The project entitled “Customer Billing System” is developed using Java Swing to computerize the process of subtotal of the prices of all ordered meals and drinks. This management system is available in the restaurant that can calculate total bill of customer and give receipt to the customer. I hope, this project will be helpful in real life.

FUTURE PLAN

- Updating the project with storing data of customers.
- Make the application more fast.
- Analysis data of the ordered food and work with data analysis.