



RESTAURANT MANAGEMENT SYSTEM

User Manual

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North Western University

Khulna – 9000, Bangladesh

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Restaurant Management System User Manual

1. Introduction:

Restaurant management system is a collective term for software that helps streamline food business operations. Restaurant management systems are a type of restaurant management software intended to assist with the tasks associated with the day-to-day management of a restaurant or similar business.

Essentially, a restaurant admin's job is to balance the various needs of the business, provide leadership, set strategic objectives, make use of restaurant management software, and ensure all departments are functioning as they should. Ultimately, it is concerned with guiding a restaurant to long-term success.

Many of the benefits associated with the use of restaurant management systems are related to automation and speeding up processes to improve the customer experience. Modern customers expect fast, frictionless service and restaurant management software play a key role in meeting these expectations.

2. Objectives:

- Reduce the order processing time.
- Determine Profits & Costs.
- Automate redundant work.
- Quick software updates allow your software to be as good as new.
- Safer and more secure data management.
- Keep track of customer's data

3. Entity Relationship Diagram:

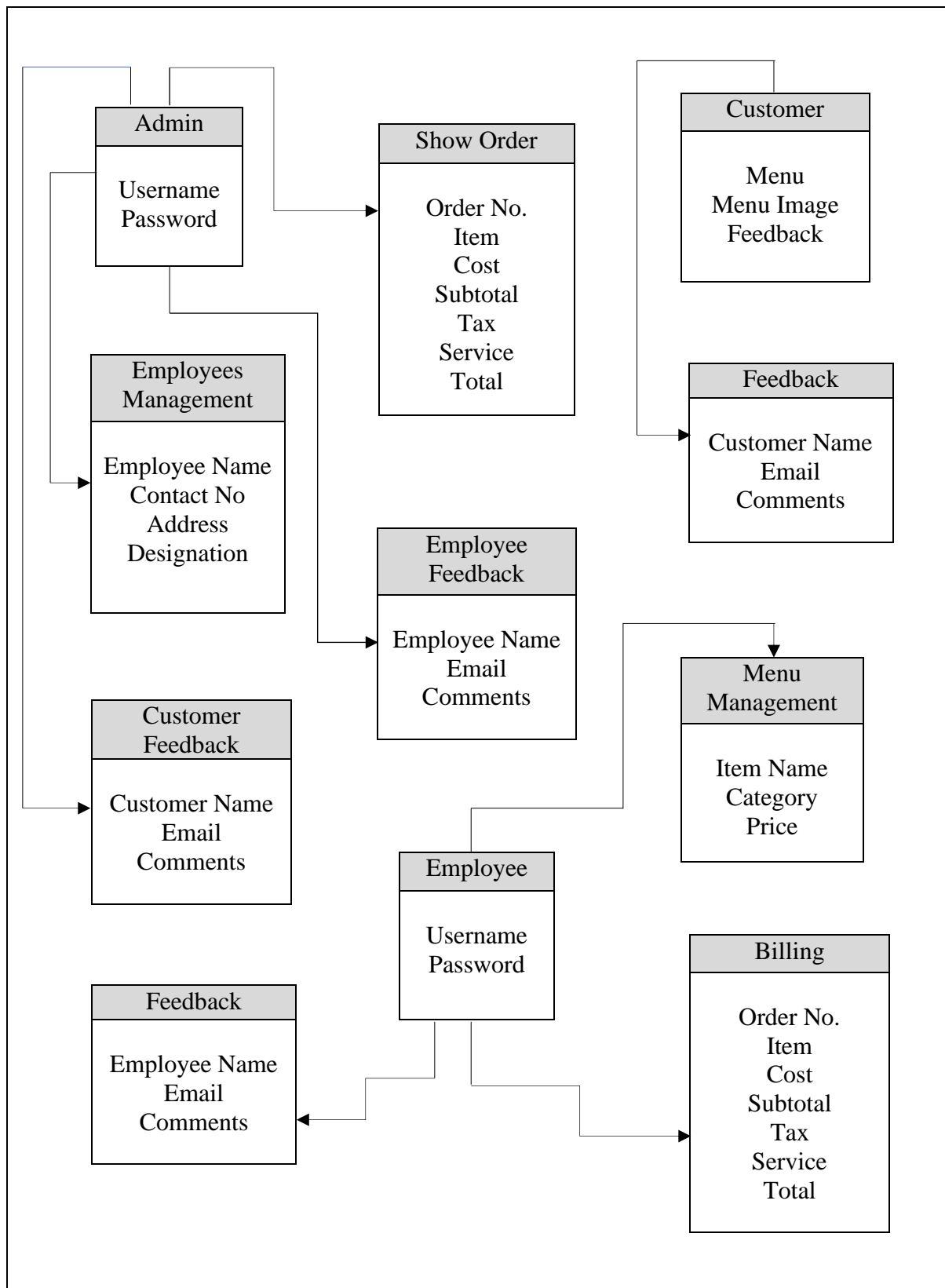
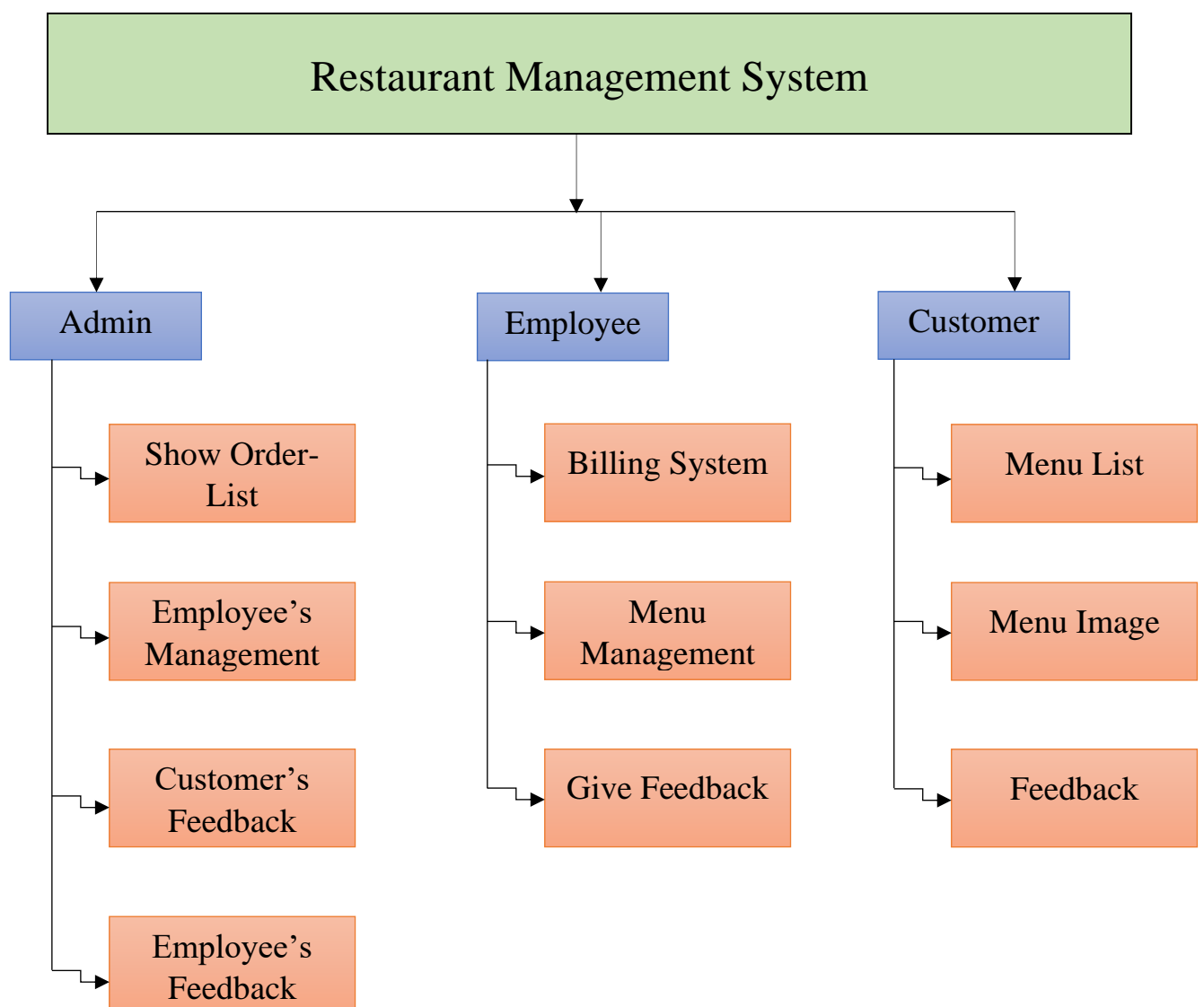


Figure: E-R diagram of RMS

4. Site Tree:

In the Restaurant Management System, there are three characters. Admin, Employee, Customer. Each has a unique view and their own functionalities. A simple site tree can show what this character can view.



Here we can see each character has his own functions. Below all these functions are described according to their presence.

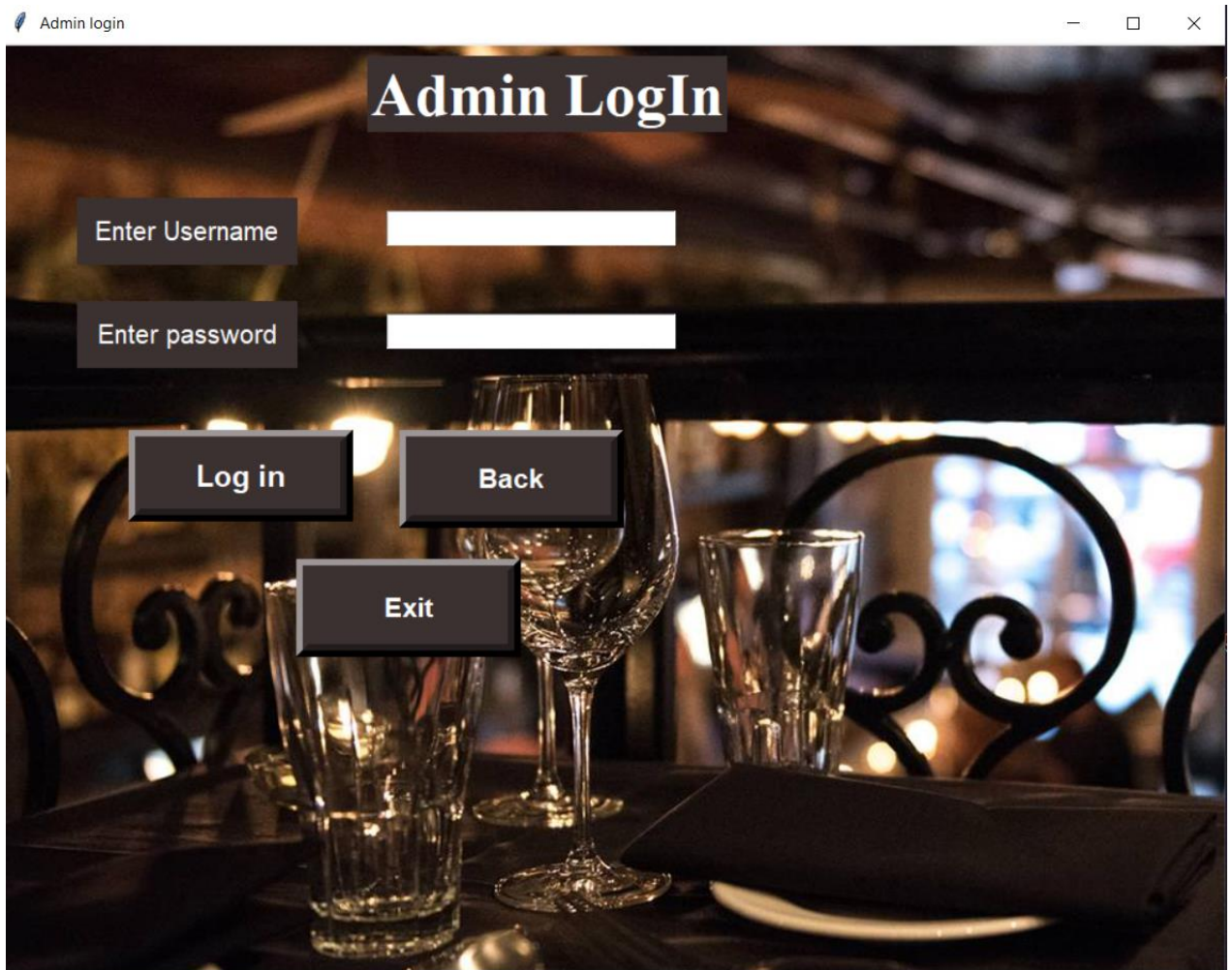
5. Description:

(A) USER INTERFACE



Welcome Page

a. ADMIN LOGIN PAGE



A screenshot of a web browser window titled "Admin login". The page features a background image of a restaurant interior with a table set with glasses and a napkin. The main heading "Admin LogIn" is centered at the top. Below it, there are two input fields: "Enter Username" and "Enter password". At the bottom, there are three buttons: "Log in", "Back", and "Exit".

Admin login

Admin LogIn

Enter Username

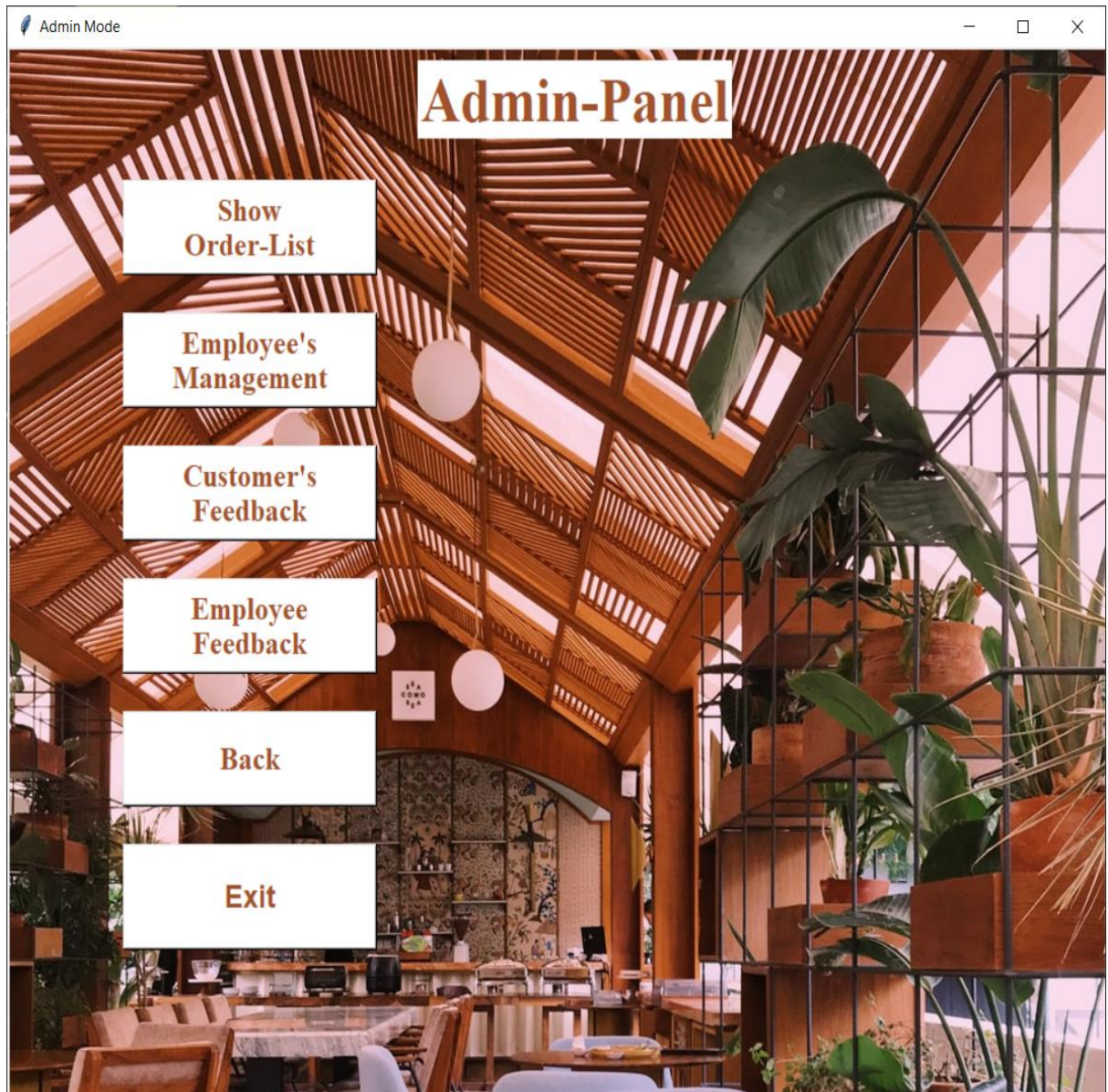
Enter password

Log in Back Exit

Admin start page

i. Admin panel

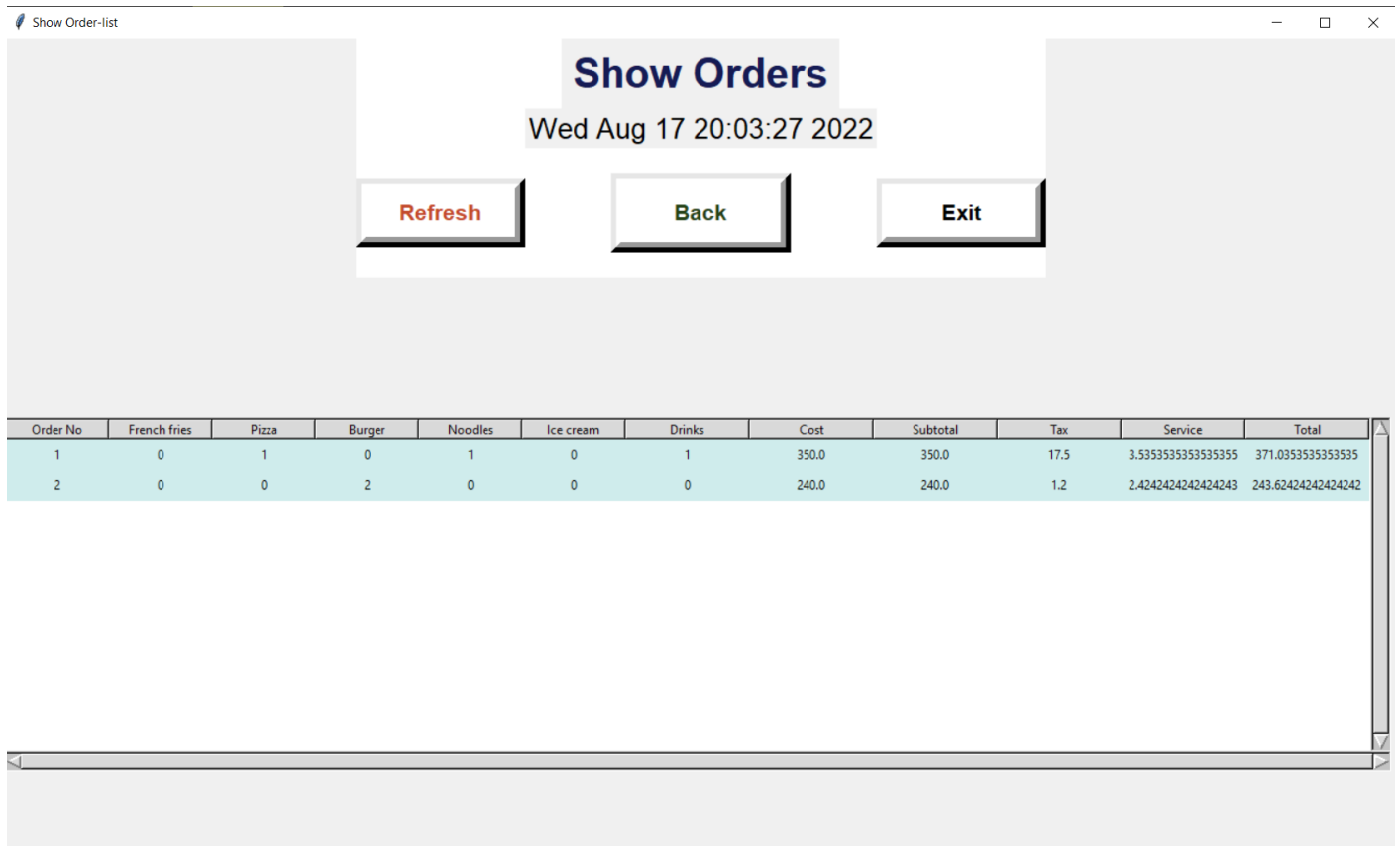
After Admin login admin can see in this page.



In this page, an admin can view the restaurant to the system. He/ She can appoint the employees to manage the works properly.

ii. Show order-list

After clicking Show Order-list button admin can see the order list, which customer order the food in the restaurant.



Order No	French fries	Pizza	Burger	Noodles	Ice cream	Drinks	Cost	Subtotal	Tax	Service	Total
1	0	1	0	1	0	1	350.0	350.0	17.5	3.5353535353535355	371.0353535353535
2	0	0	2	0	0	0	240.0	240.0	1.2	2.4242424242424243	243.62424242424242

ii. Employee management

After clicking the button Employee Management admin can see this page. In this page admin can see the employees list and add, delete and update the information of employees.

Admin Mode

Employee Management

Wed Aug 17 20:12:06 2022

Employee Name

Contact Number

Address

Designation

Add **Update** **Delete Record**

Clear **Back** **Exit**

Refresh **Select**

Employee Name	Contact Number	Address	Designation
Rita	0001	Khulna	Waiter
Lima	555	Khulna	Casher
LeeMin	5544	Dhaka	Waiter
Neha	1234	Dhaka	G.M
Huma	66666	Khulna	Manager
Rifa	7777	Khulna	G.M

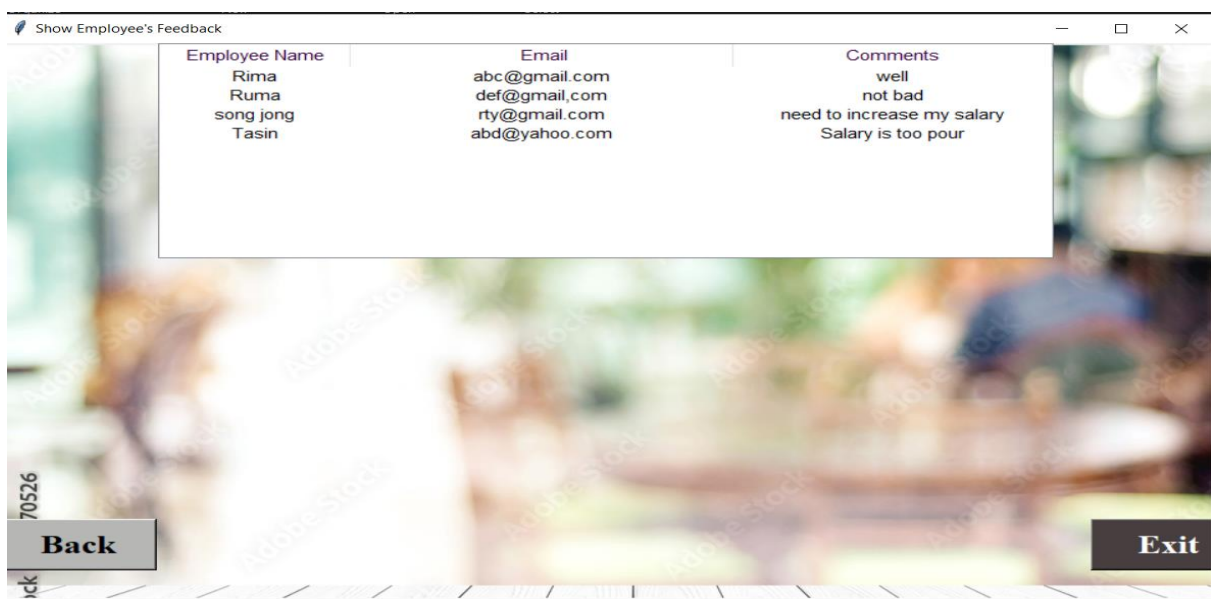
iii. Customer's feedback

After clicking Customer's feedback button admin can see this page. In this page admin can see which customer has given feedback about their restaurant.



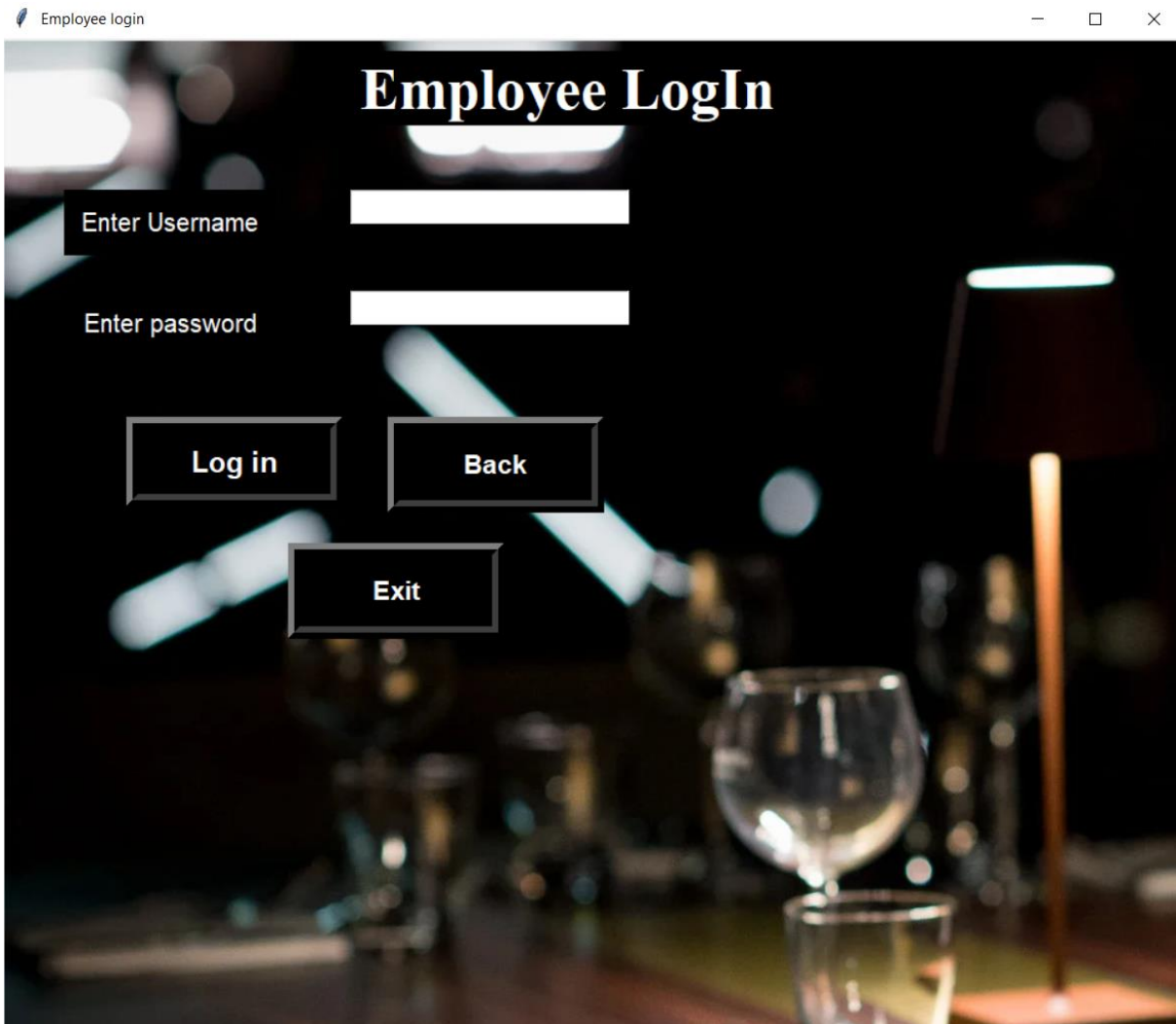
iv. Employee's feedback

In this page admin can view every employee's feedback who has given.



b. EMPLOYEE LOGIN

After clicking the button Employee login, Employees can see this page.

A screenshot of a web browser window titled "Employee login". The page has a dark background with a blurred image of a bar or restaurant interior. The title "Employee Login" is displayed in a large, white, serif font at the top center. Below the title, there are two input fields: "Enter Username" and "Enter password", both with white text and white input boxes. Below the input fields, there are three buttons: "Log in", "Back", and "Exit", all with white text and dark borders. The "Log in" button is on the left, "Back" is on the right, and "Exit" is centered below them. The browser window has standard window controls (minimize, maximize, close) in the top right corner.

Employee start page

i. Billing system

After login employee can see this page.

Employee Mode

Back

Billing System

Wed Aug 17 20:19:51 2022

Order No.

French Fries

Pizza

Burger

Noodles

Ice Cream

Drinks

Cost

Subtotal

Tax

Service

Total

Menu **Total** **Clear** **Exit**

Add **Feedback** **Delete Record**

Order No	French fries	Pizza	Burger	Noodles	Ice cream	Drinks	Cost	Subtotal	Tax	
1	0	1	0	1	0	1	350.0	350.0	17.5	3.535
2	0	0	2	0	0	0	240.0	240.0	1.2	2.424

In this page employee can bill the customer's order and set the menu list for customer's and can give feedback to the admin.

ii. Menu management

After clicking the menu button employee can see this page.

Admin Mode

Menu Management

Wed Aug 17 20:20:49 2022

Item Name

Catagory

Price

Add **Update** **Delete Record**

Clear **Back** **Exit**

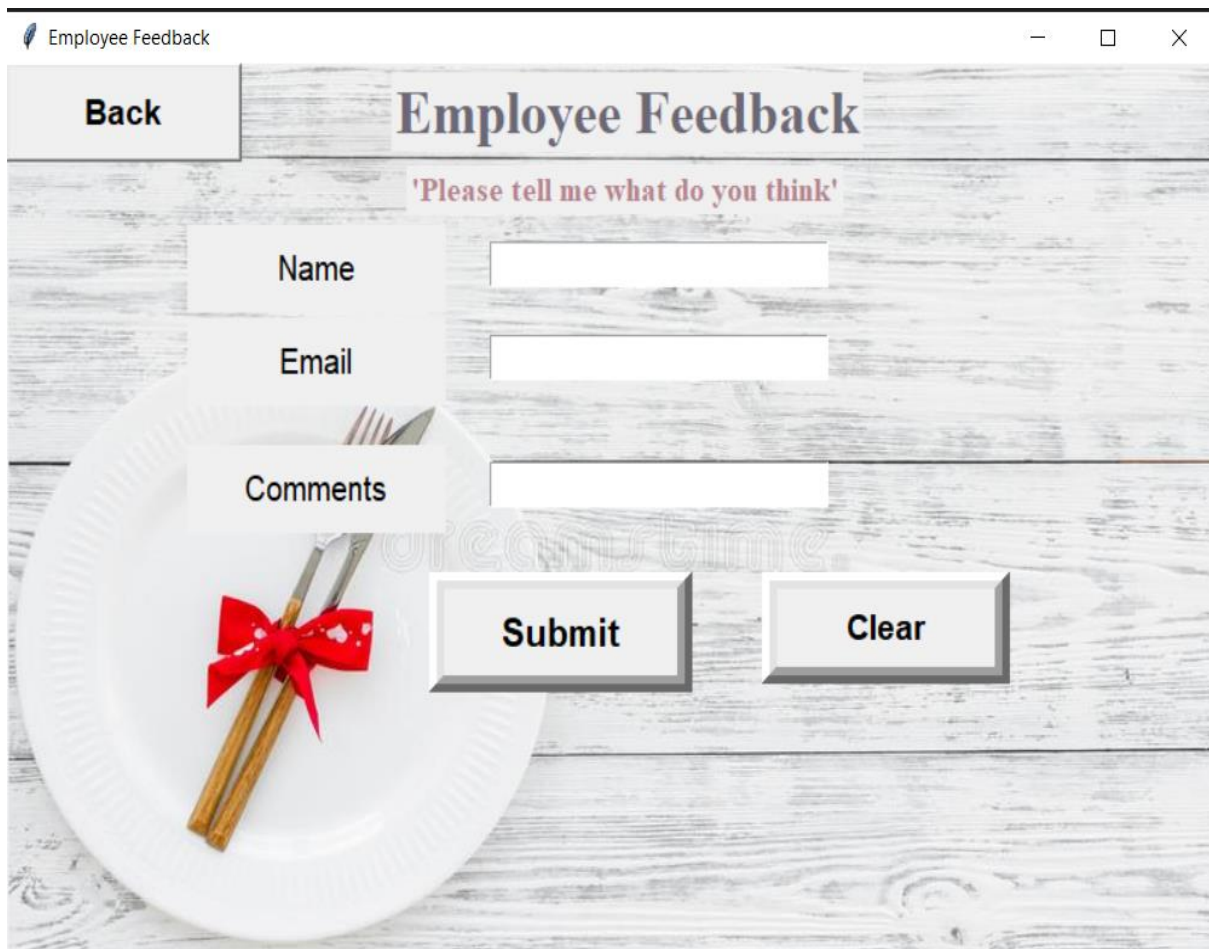
Refresh **Select**

Item name	Catagory	Price
Pizza	Chicken	120
Ice-Cream	Strawberry	80
Burger	Beef	150
French-fries	Fast food	60
Juice	mango	700
Noodles	Vegetable	150

In this page employee can add , update and delete the menu list.

iii. Feed for employee

Employee's after clicking the button Feedback in billing system page then open this page for feedback.



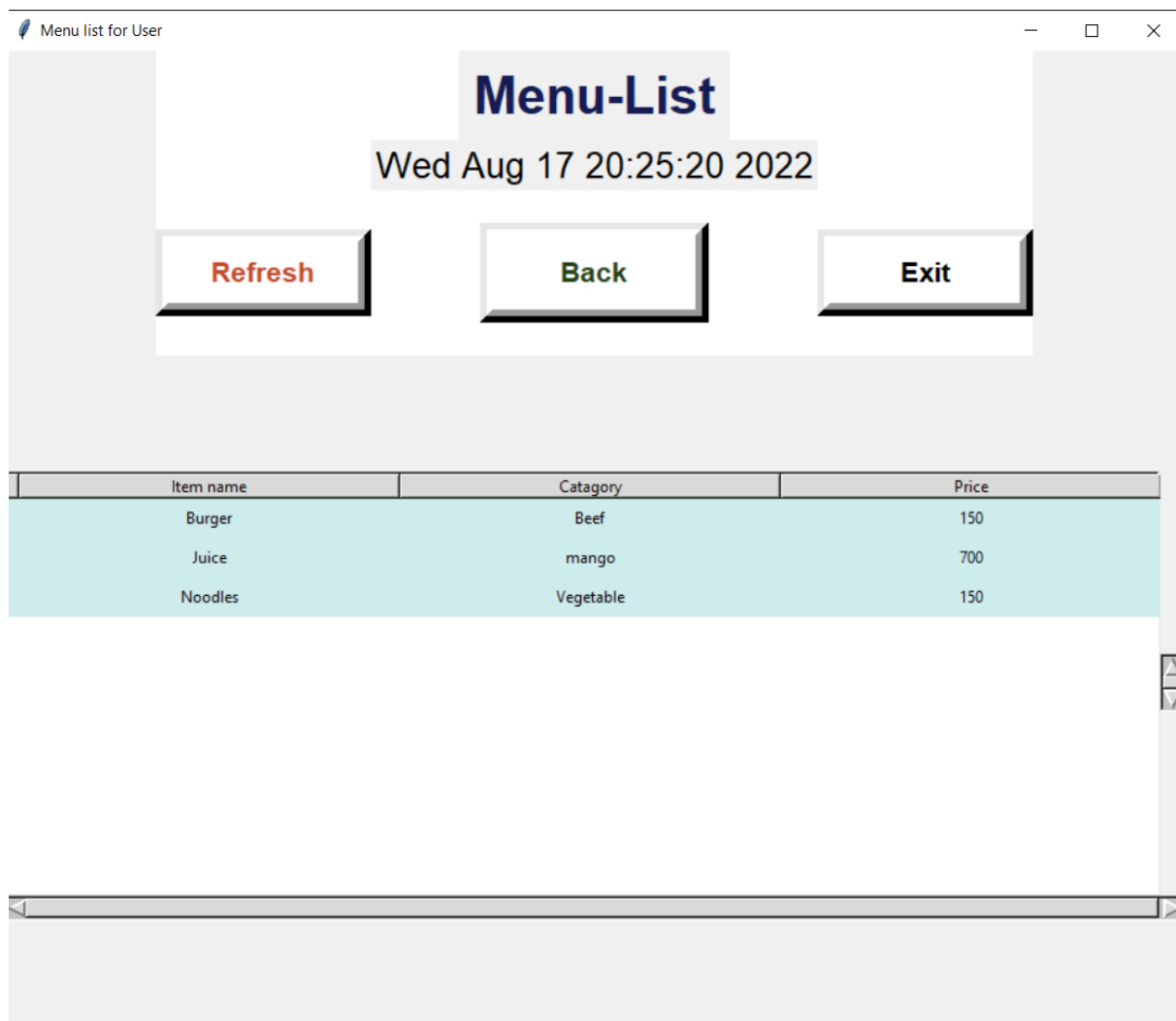
The image shows a web browser window titled "Employee Feedback". The browser's address bar shows "Employee Feedback" and standard window controls (minimize, maximize, close). The page has a light gray wooden background. In the top left corner, there is a "Back" button. The main heading "Employee Feedback" is centered at the top in a large, dark blue font. Below the heading, a red banner contains the text "'Please tell me what do you think'". The form consists of three input fields: "Name", "Email", and "Comments", each with a corresponding label to its left. Below the "Comments" field, there are two buttons: "Submit" and "Clear". On the left side of the form, there is a decorative image of a white plate with a red bow and two cinnamon sticks.

In this page employees can give their opinion and objections.

c. CUSTOMER MODE

i. Menu

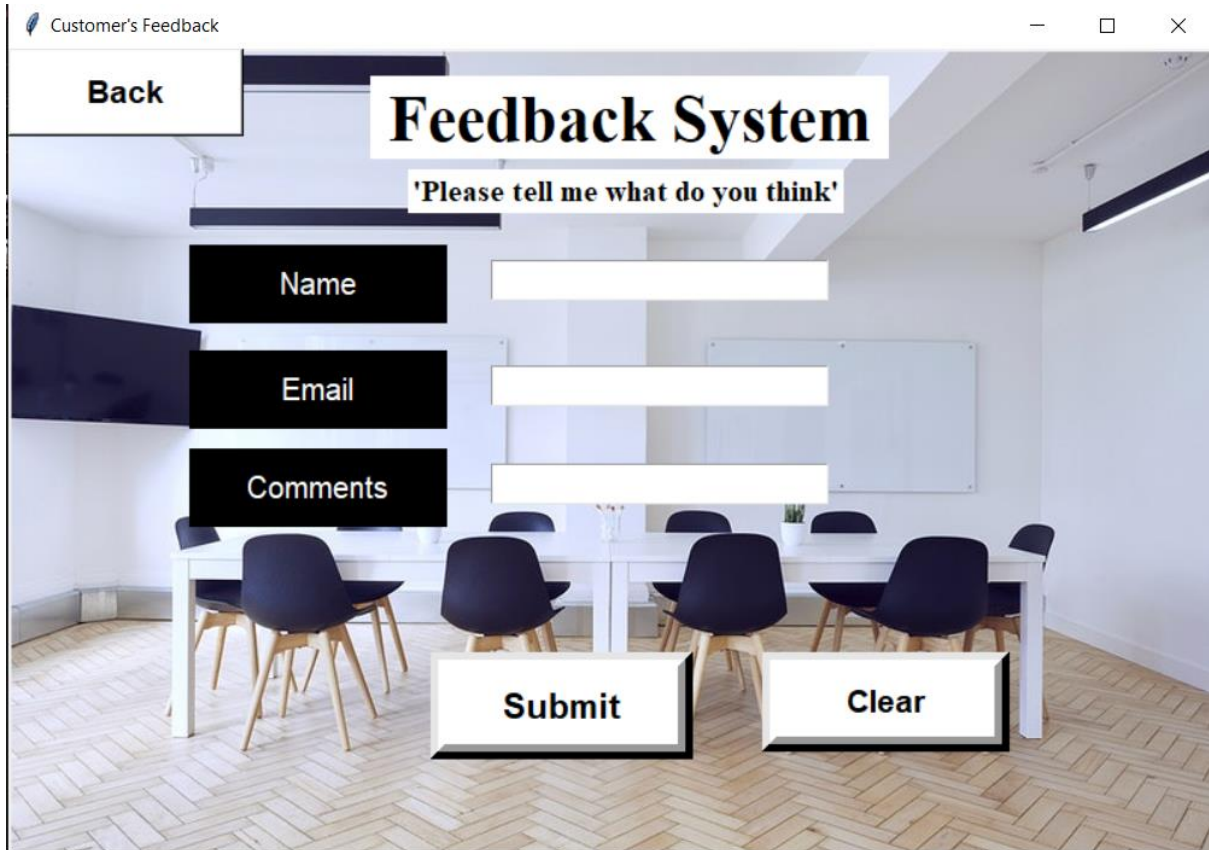
After clicking Menu button customer can see the Menu-list page.



Here, customer can see all the menu which is available in this restaurant. After seeing the menu list with price, they can order the food which they want to eat in the restaurant.

ii. Feedback

Clicking the Feedback button customer can see this page.

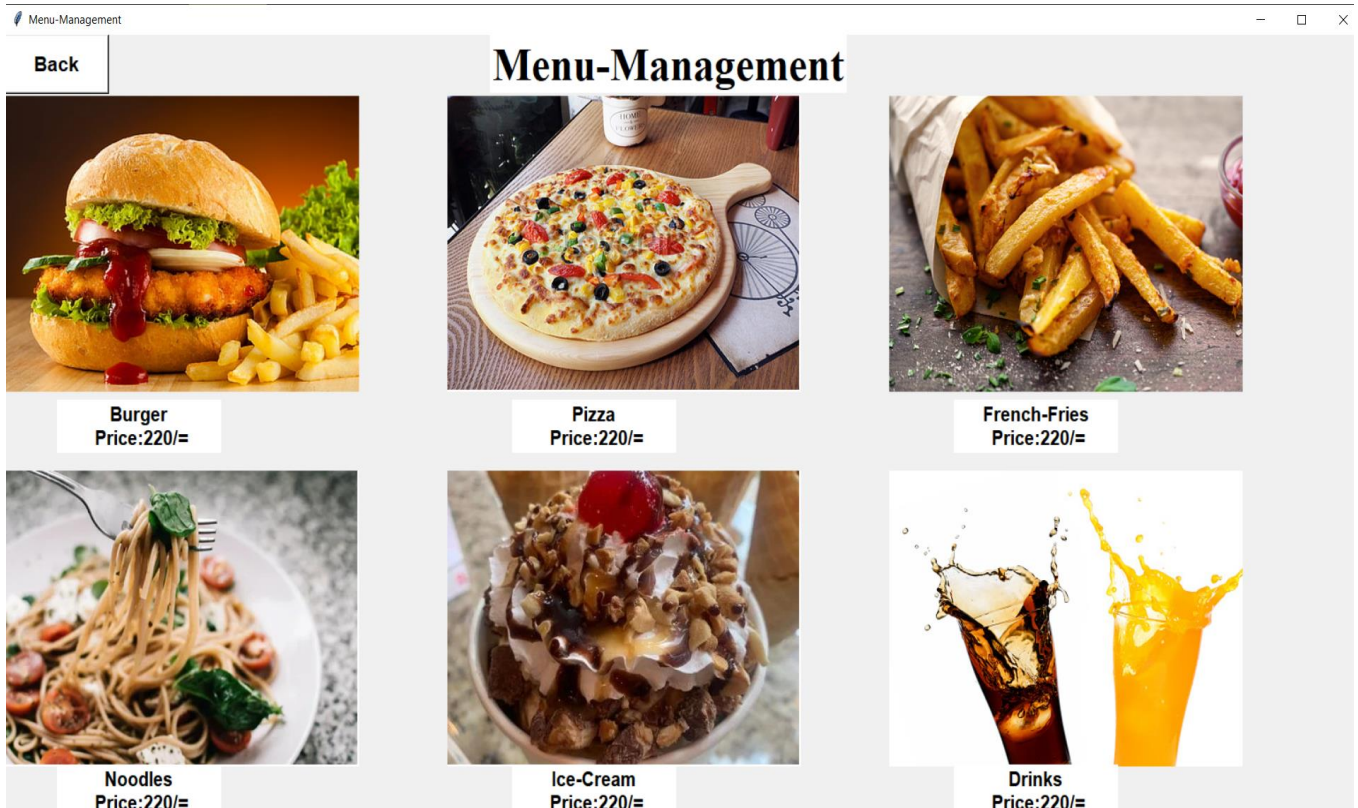


The screenshot shows a web browser window titled "Customer's Feedback". The form is overlaid on a background image of a modern dining room with white tables, black chairs, and a whiteboard. The form includes a "Back" button in the top left corner. The main heading is "Feedback System" in a large, bold, serif font. Below the heading is a prompt: "'Please tell me what do you think'". The form consists of three input fields, each preceded by a black label box: "Name", "Email", and "Comments". At the bottom of the form are two buttons: "Submit" and "Clear".

In this page customers can give their valuable opinion about foods, employees behavior, environment, suggestions and so on. All of these feedbacks can be seen by the restaurant admin.

iii. Menu image























After clicking Menu image button customer can see this page.



In this page customer can see all the menu item images. In this page customer can gain ideas for latest food item.

6. Dependencies:

- a. Python 3.10.6-amd64: The Restaurant Management System (RMS) is built on Python 3.10.6-amd64. So, Python 3.10.6-amd64 is needed to run this system properly.
- b. Pycharm-community-2022.1.3: The Restaurant Management System (RMS) is built on Pycharm-community-2022.1.3. So Pycharm-community-2022.1.3 is needed to run this system properly. Here some package must need. Package Name and Details is given below

	Django	4.1	4.1
	Pillow	9.2.0	9.2.0
	Pillow-PIL	0.1.dev0	
	PillowImage	1.1.11	1.1.11
	PyBundle	1.0.6	1.0.6
	SQLAlchemy	1.4.40	1.4.40
	asgiref	3.5.2	3.5.2
	greenlet	1.1.2	1.1.2
	image	1.5.33	1.5.33
	mysql	0.0.3	
	mysql-connector	2.2.9	2.2.9
	mysql-connector-python	8.0.30	8.0.30
	mysql-connector-python-dd	2.0.2	2.0.2
	mysqlclient	2.1.1	2.1.1
	numpy	1.23.2	1.23.2
	pip	22.2.1	22.2.2
	protobuf	3.20.1	4.21.5
	reportlab	3.6.11	3.6.11
	setuptools	63.2.0	65.0.1
	six	1.16.0	1.16.0
	sqlparse	0.4.2	0.4.2
	tzdata	2022.1	2022.2

- c. Admin Panel: Python IDE built in “Admin Panel” is needed to run RMS properly.
- d. Employee Mode: Python IDE built in “Employee Mode” is needed to run RMS properly.
- e. Customer Mode: Python IDE built in “Customer Mode” is needed to run RMS properly.

Special Thanks to:

Md. Shymon Islam

Lecturer

Department of CSE

North Western University

Developed by:

Armin Jahan Neha

Student Id: 20201137010

Najnine Afroz Estina

Student Id: 20201144010

Rifa Tamanna

Student Id: 20201145010

Department of CSE

North Western University