RESTAURANT MANAGEMENT SYSTEM

User Manual

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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.

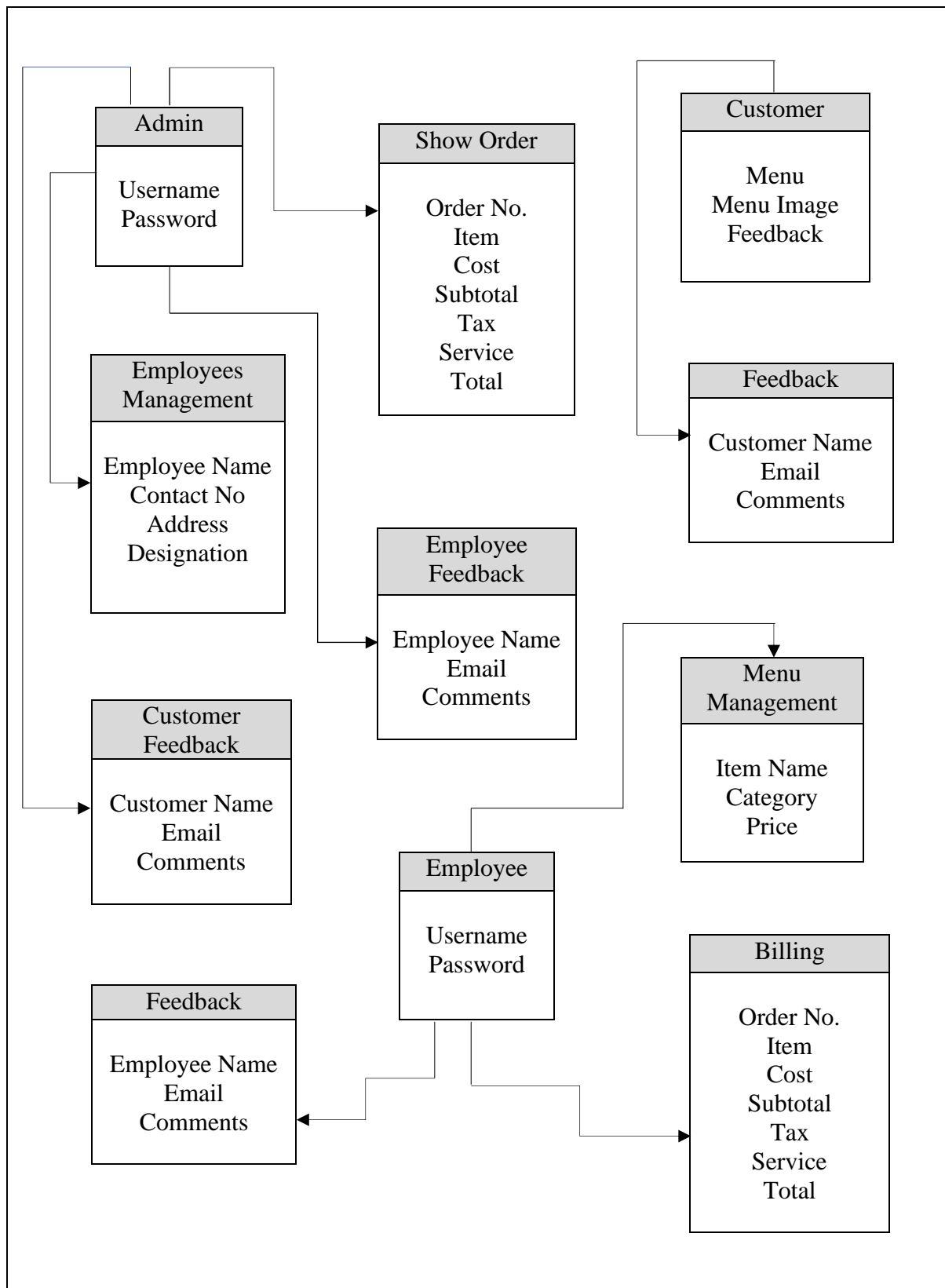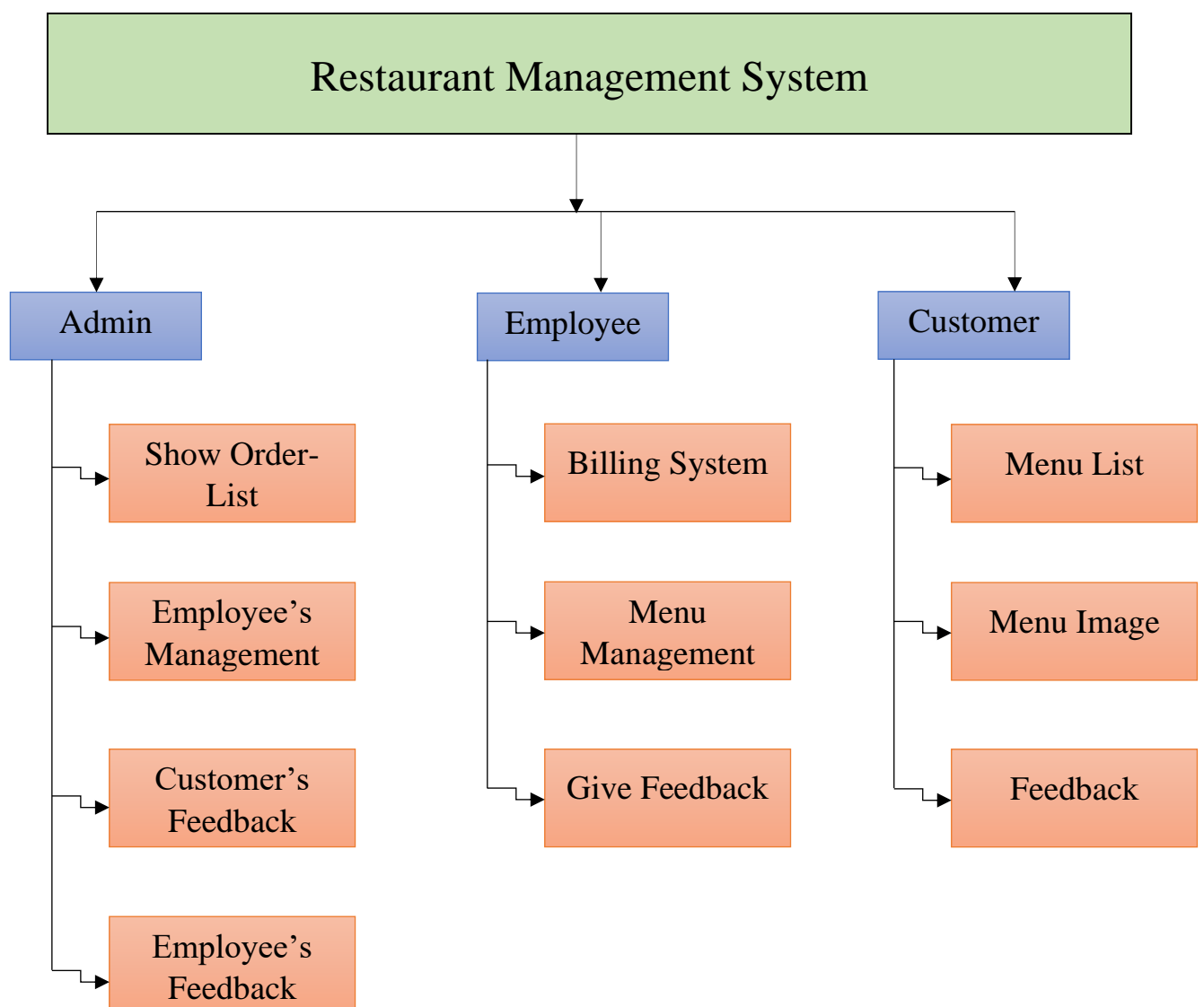➢ Keep track of customer's data

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.

```
                    Restaurant Management System

        Admin                 Employee               Customer

     Show Order-            Billing System           Menu List
        List

     Employee's                Menu                 Menu Image
     Management             Management

     Customer's            Give Feedback             Feedback
      Feedback

     Employee's
      Feedback
```

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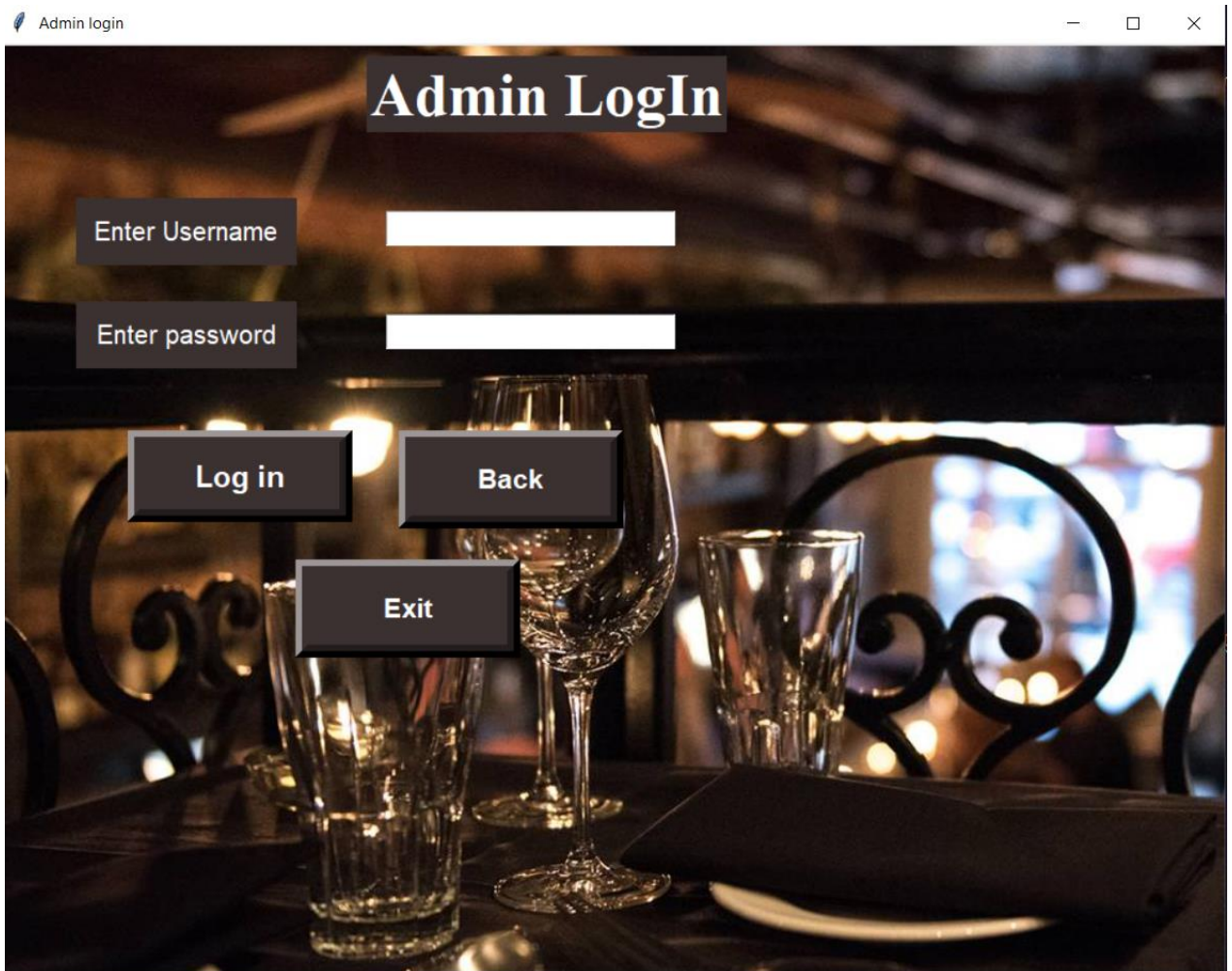
5. Description:

(A) **USER INTERFACE**

Welcome Page

a. ADMIN LOGIN PAGE

Admin start page

i. Admin panel

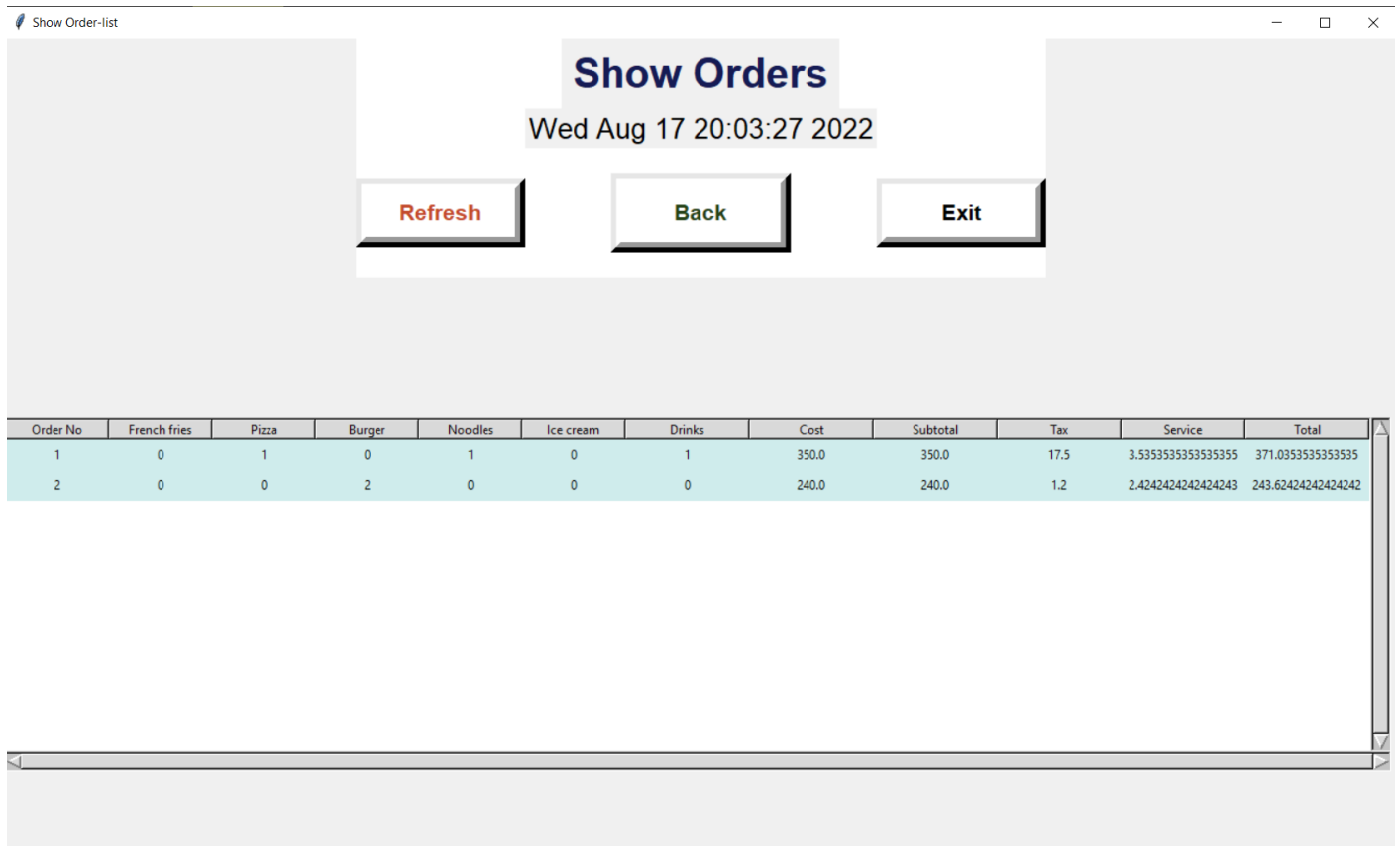After Admin login admin can see in this page.
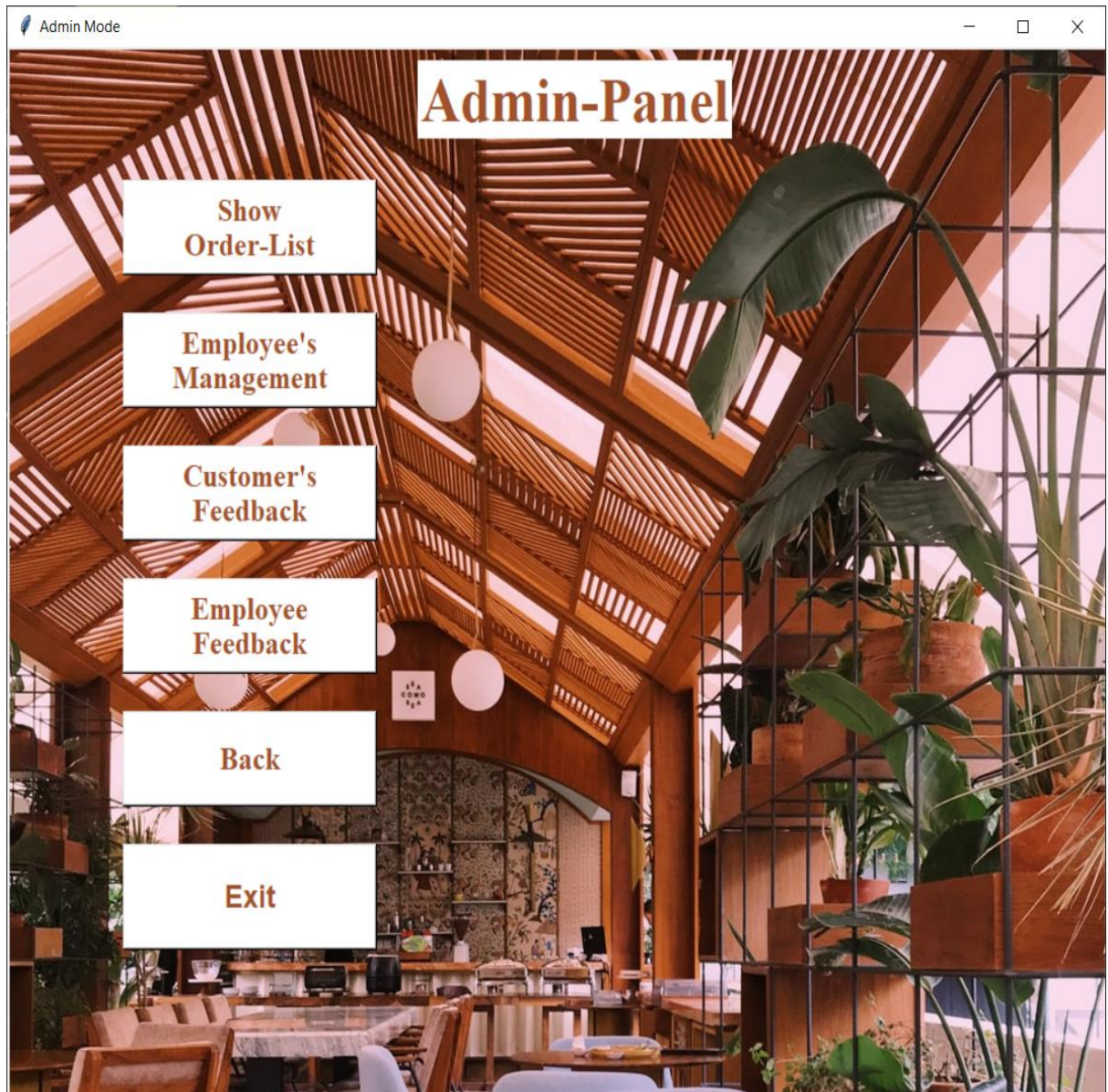
In this page, an admin can view the restaurant to the system. He/ She can appoint the employees to manage the works properly.

ii.   Show order-list

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

Show Orders

Wed Aug 17 20:03:27 2022

| Refresh | Back | Exit |

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

iv.   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.

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.
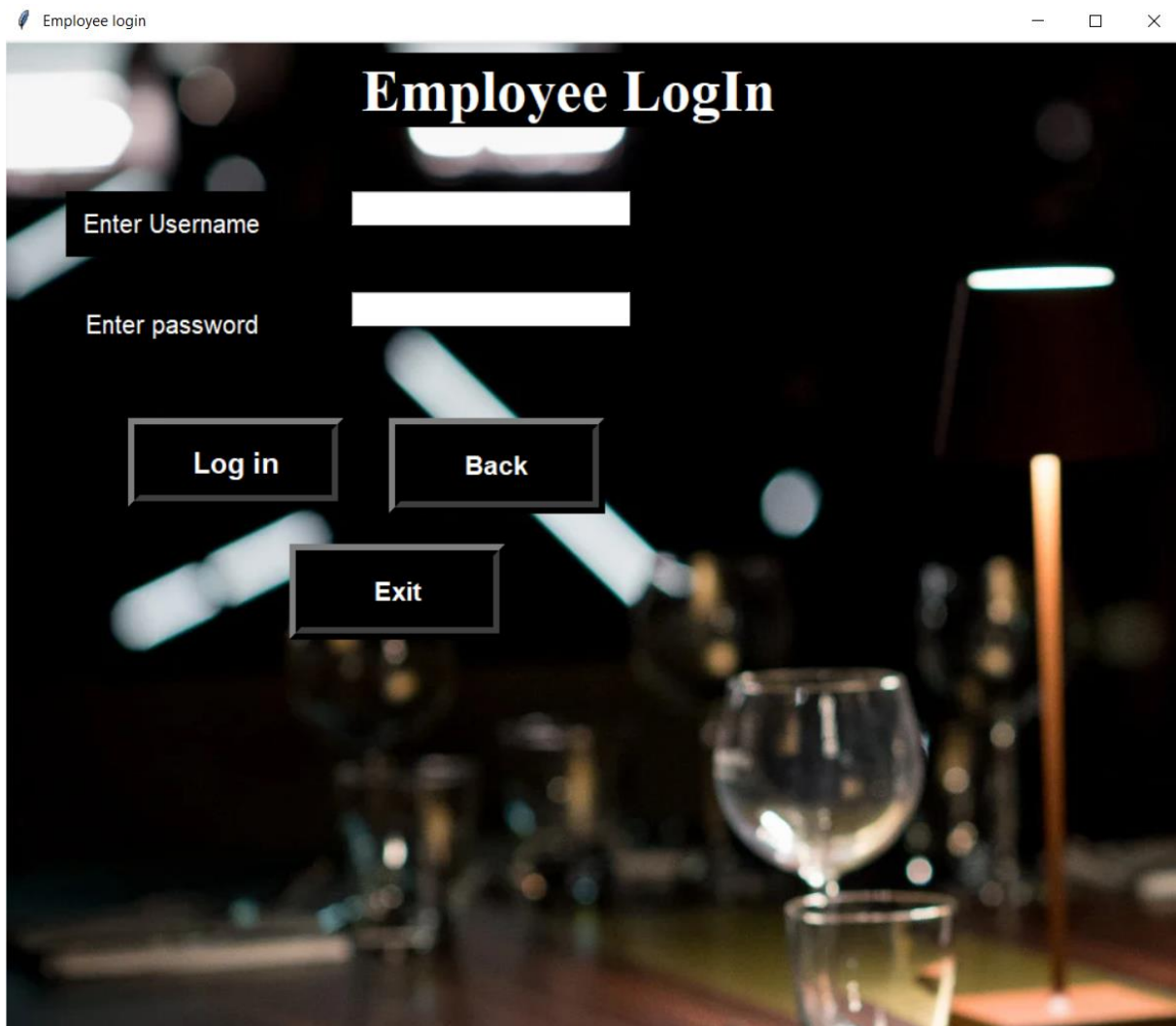
iv. Employee's feedback

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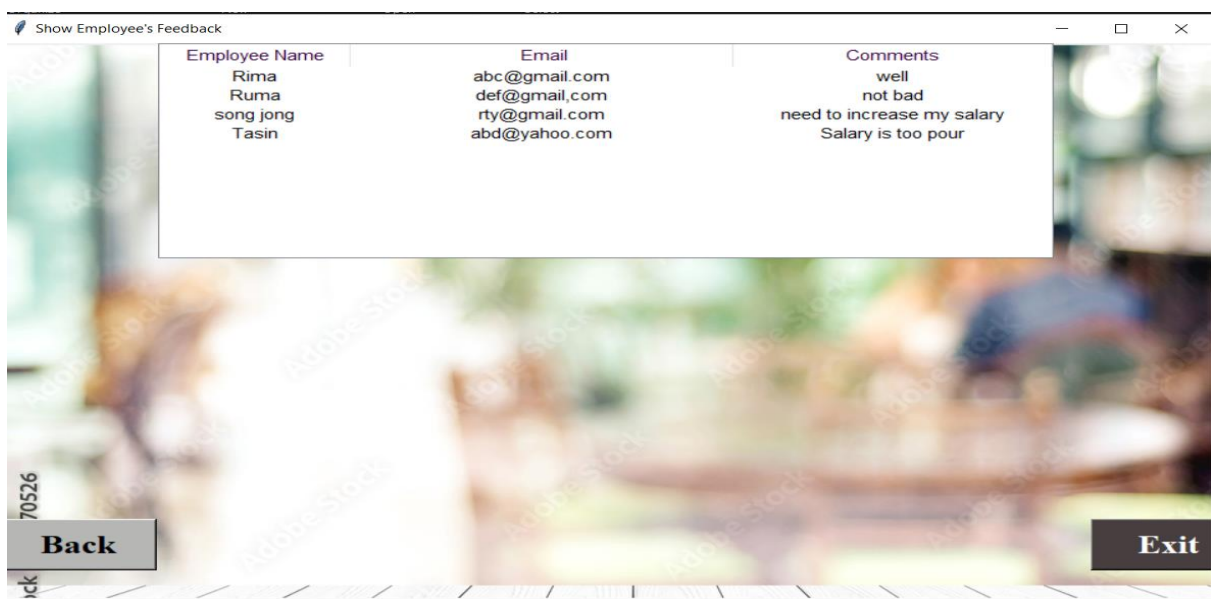
b. EMPLOYEE LOGIN

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

Employee start page

i. Billing system

After login employee can see this page.

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.

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.

In this page employees can give their opinion and objections.

c. CUSTOMER MODE

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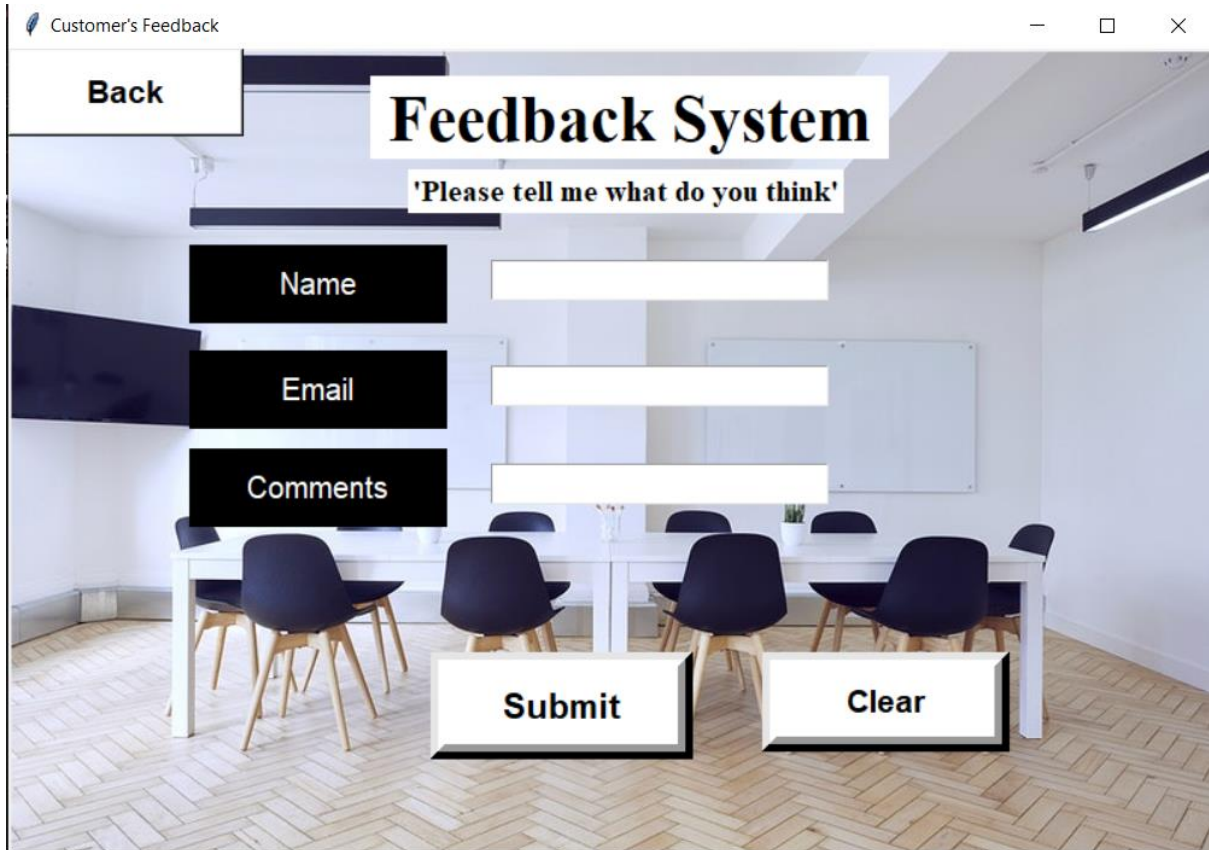
After clicking Menu button customer can see the Menu-list page.
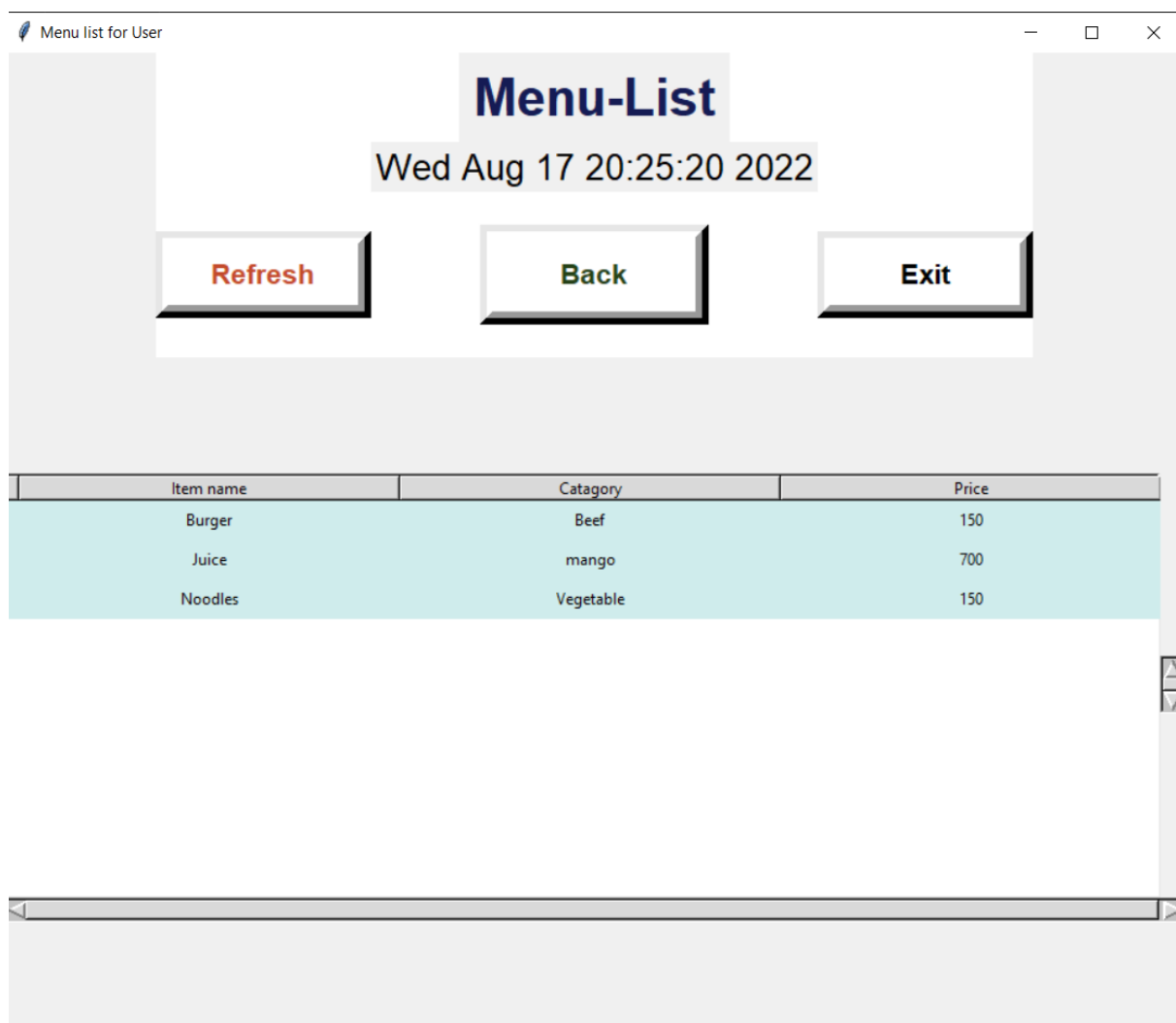
Here, customer can see all the menu which is available in this restaurant. After seeing the menu list with price, they can order the food which they want to eat in the restaurant.

ii. Feedback

Clicking the Feedback button customer can see this page.

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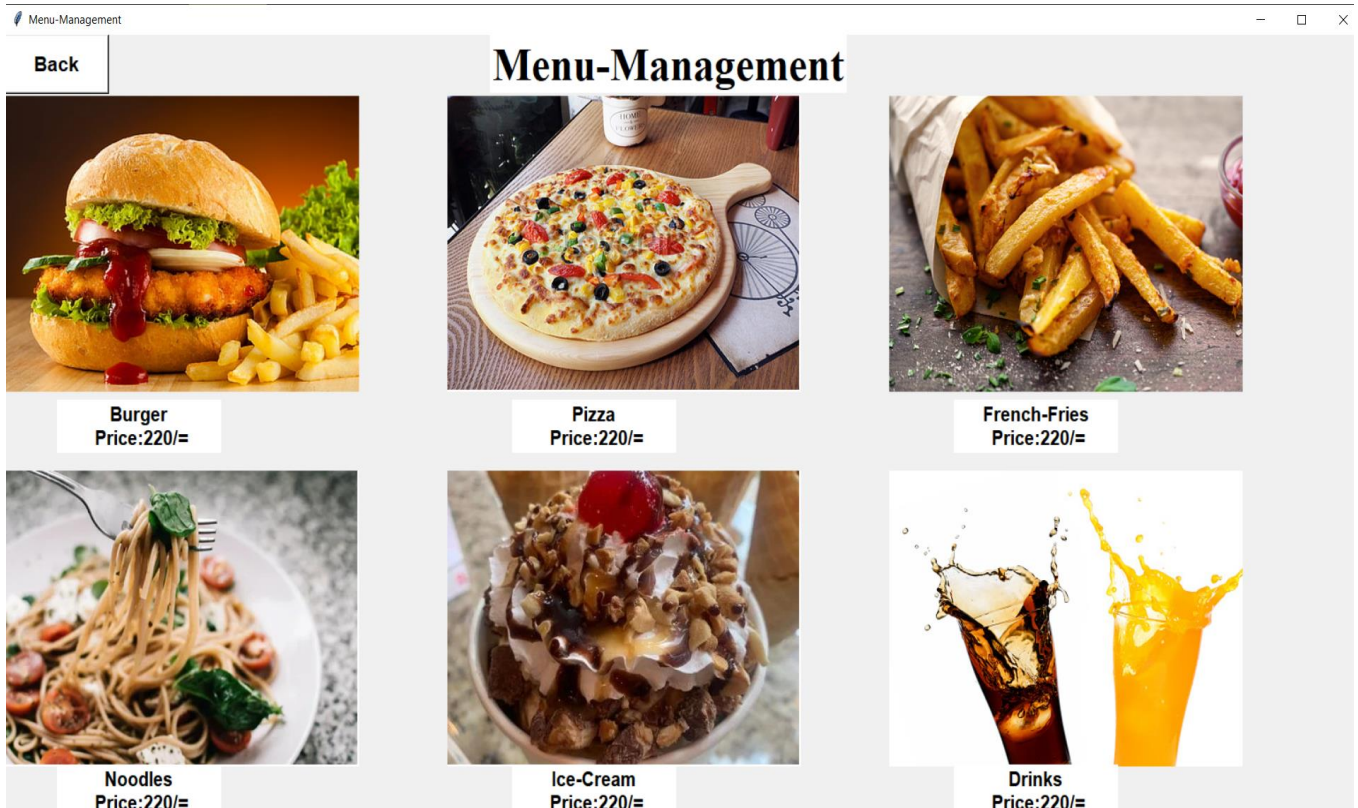
In this page customer can see all the menu item images. In this page customer can gain ideas for latest food item.

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-PIL0.1.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.

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