

Cafe Management System

➤ Introduction

Cafe Management System is an application, which will help Cafes to optimize and control over their cafés menu. This application helps the cafes to do all functionalities more accurately and efficiently. Café Management system reduces manual work and improves efficiency and rate of work. It is specifically designed for café billing management and order taking management system. This software helps to take food orders and to keeping a proper record of the bills.

➤ Technical Specification

- 1) **Backend Language** – Core Java, Spring Boot 3, Hibernate
- 2) **Frontend Language** – Angular 17, HTML 5, CSS
- 3) **Security:** Spring Security for authentication and authorization, JWT
- 4) **ORM:** Spring Data JPA for database CRUD operations
- 5) **Architecture:** Model-View-Controller (MVC)
- 6) **Database** – MySQL
- 7) **IDE** – IntelliJ, Visual Studio
- 8) **API Platform** – Postman
- 9) **Operating System** – Windows 10

➤ Core Features

1. **Employee Management:** Admin manage the employee.
2. **Product Management:** Admin manage the product category and product.
3. **Order Management:** Admin and User manage the order.
4. **Bill Management:** On order of product the bill will be generated.

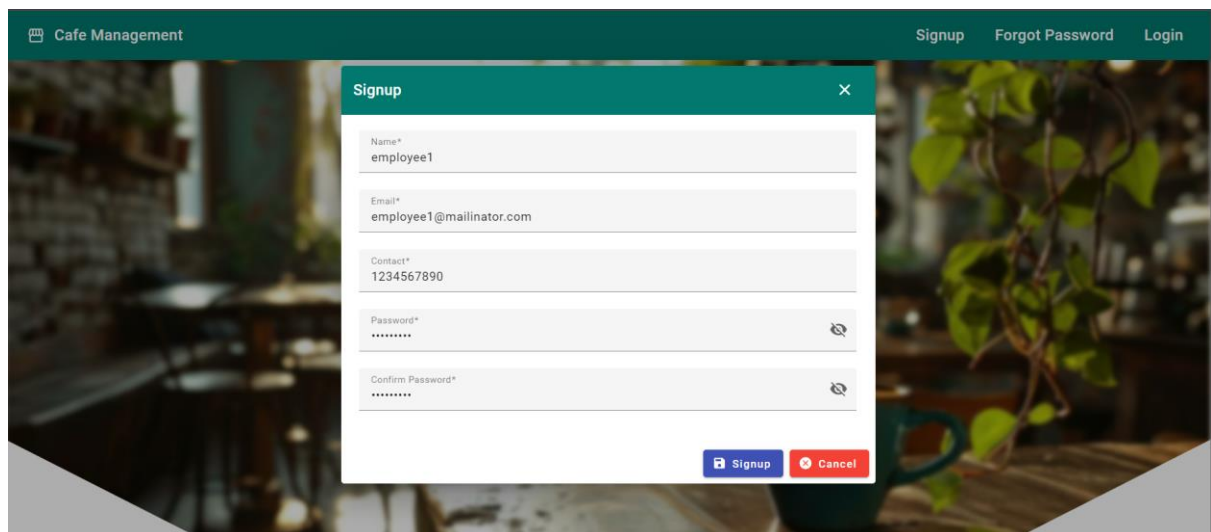
Cafe Management System

➤ Project Features

1) Main Page Feature

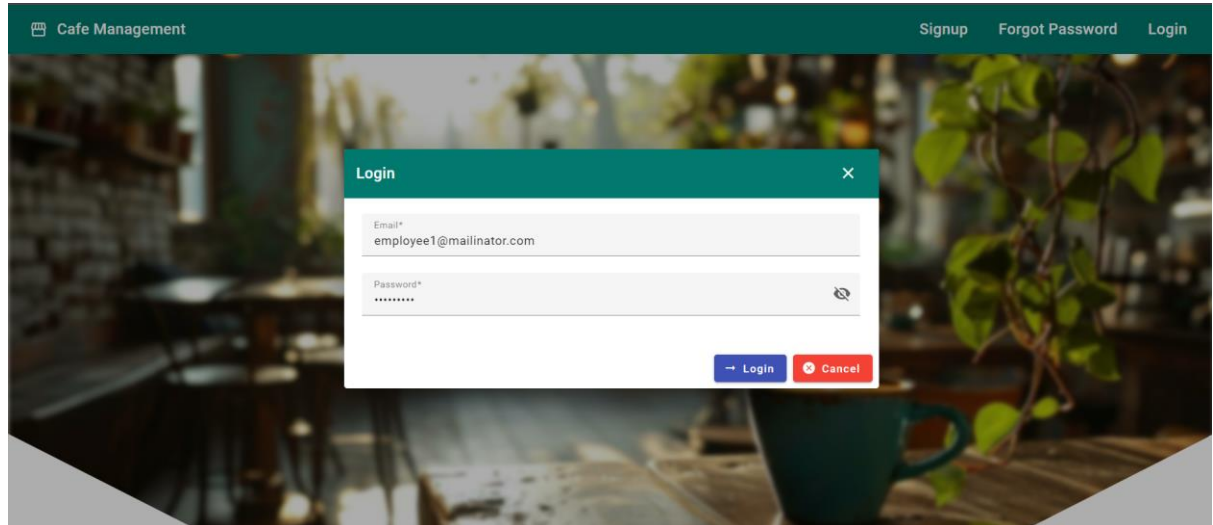


1. **Signup** – This will help to register a new employee.

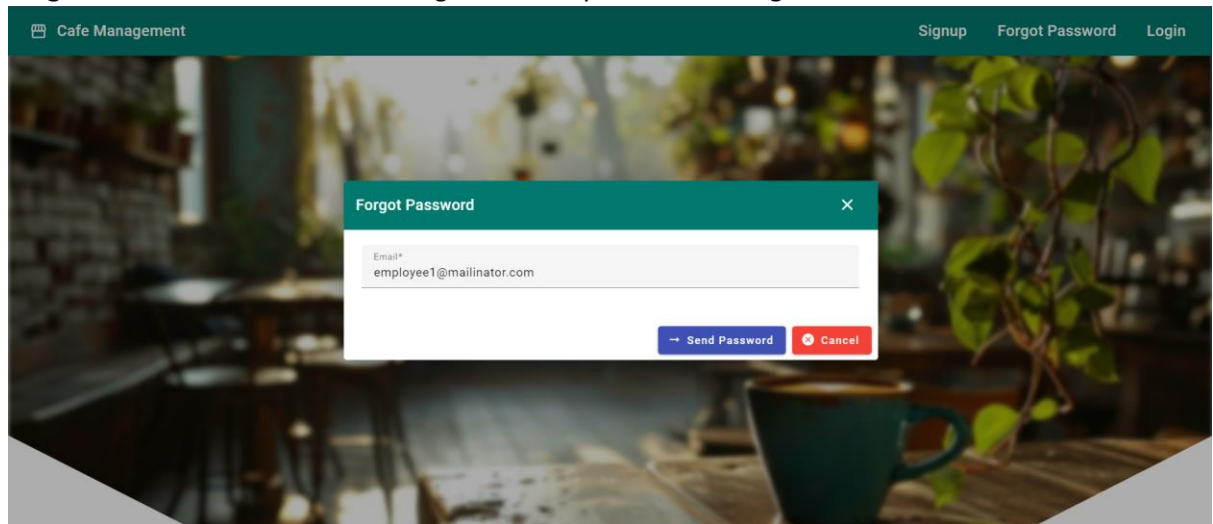
The image shows the Signup form overlay on the main page. The form is titled "Signup" and has a close button (X) in the top right corner. It contains five input fields: "Name*" with the value "employee1", "Email*" with the value "employee1@mailinator.com", "Contact*" with the value "1234567890", "Password*" with masked characters "*****", and "Confirm Password*" with masked characters "*****". There are toggle icons for password visibility. At the bottom right, there are two buttons: "Signup" (blue) and "Cancel" (red).

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2. **Login** – This will help to login Admin and Approved Employee.



3. **Forgot Password** – This will have to get the new password through email.



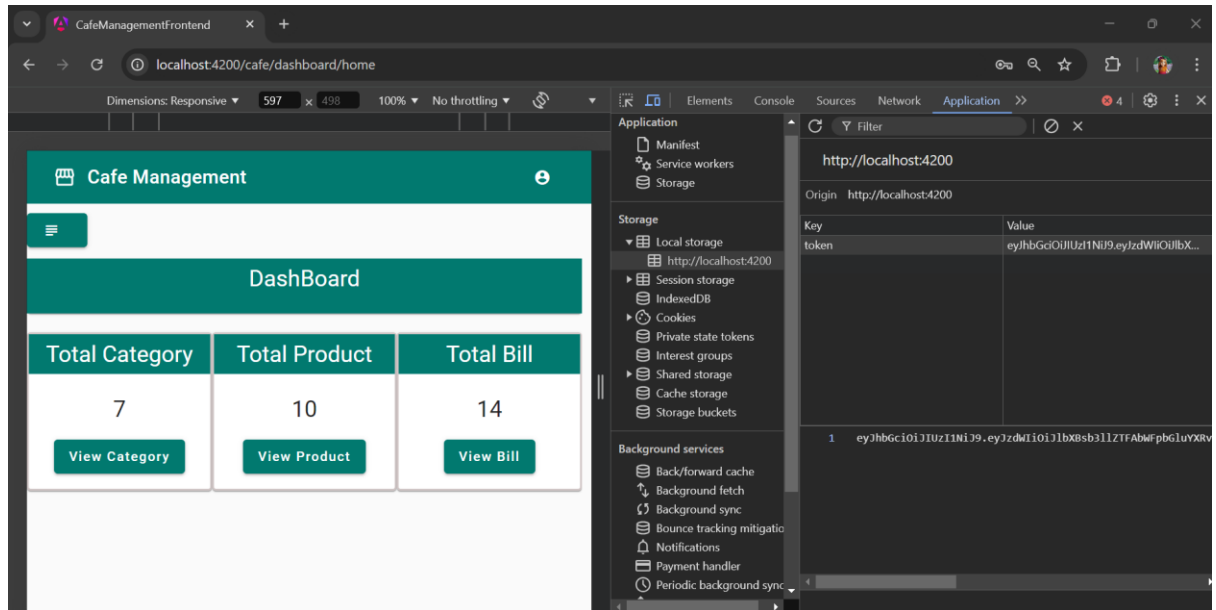
Email From Cafe Management System

*** Please find your credential below ***
Username : employee1@mailinator.com
New Password : xnzcxkcrnf
[Please click here to login](#)

Please do not reply to this mail
Have a good day

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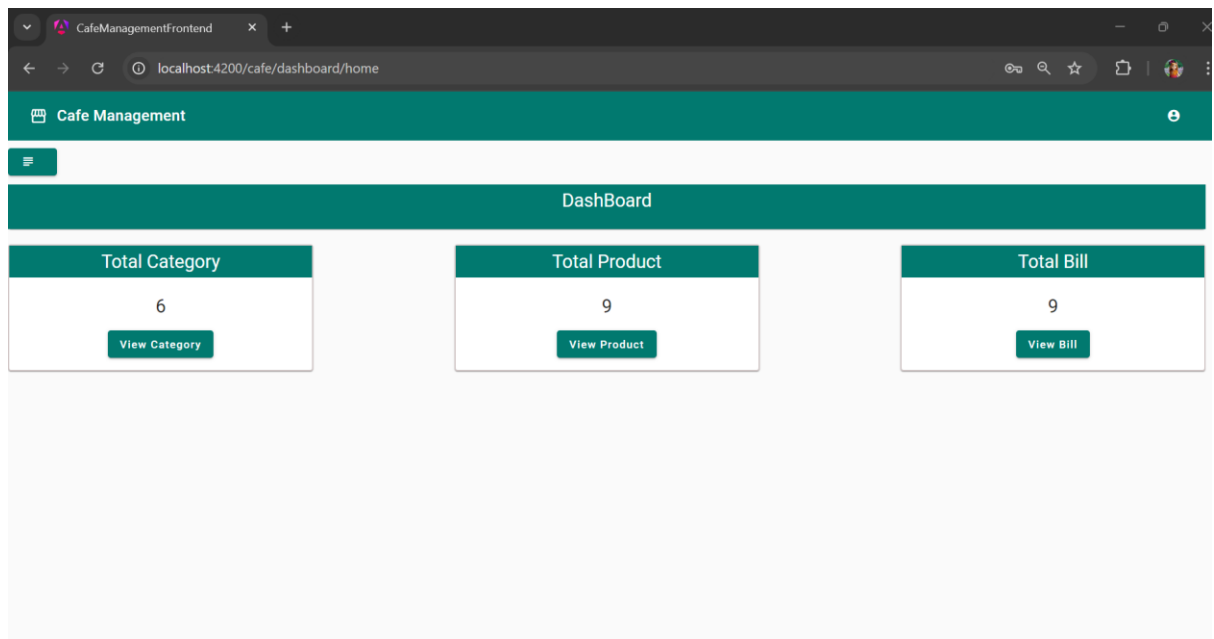
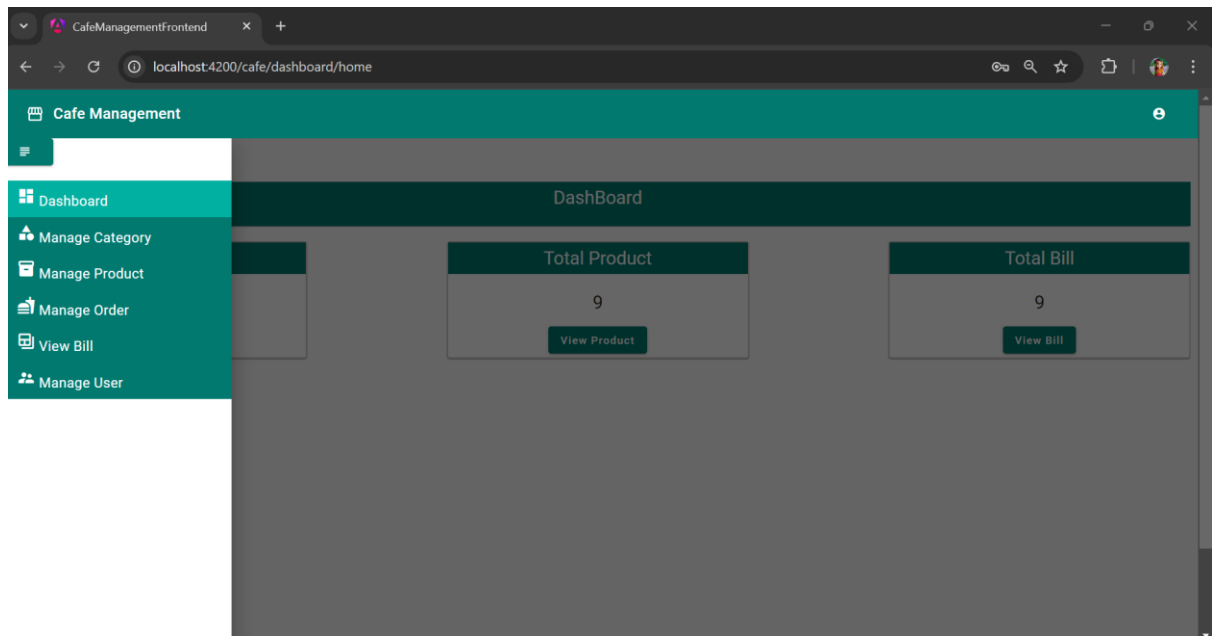
4. JWT Token



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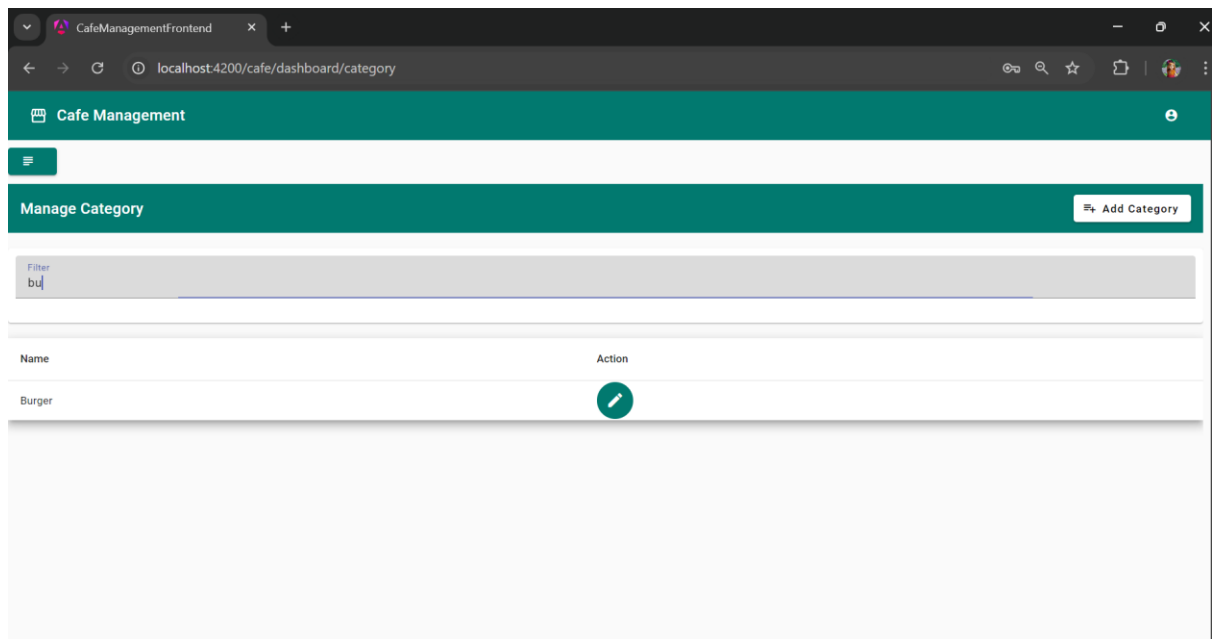
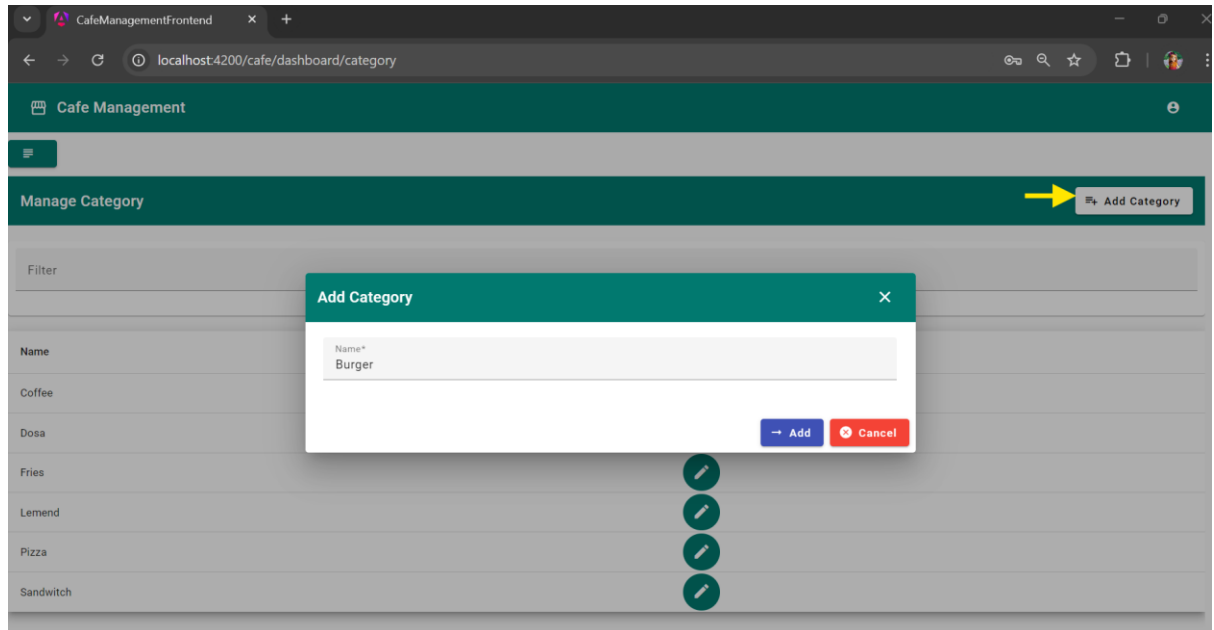
2) Admin Page Feature

1. **Dashboard** – this will show the count of total category, total product and total bills.



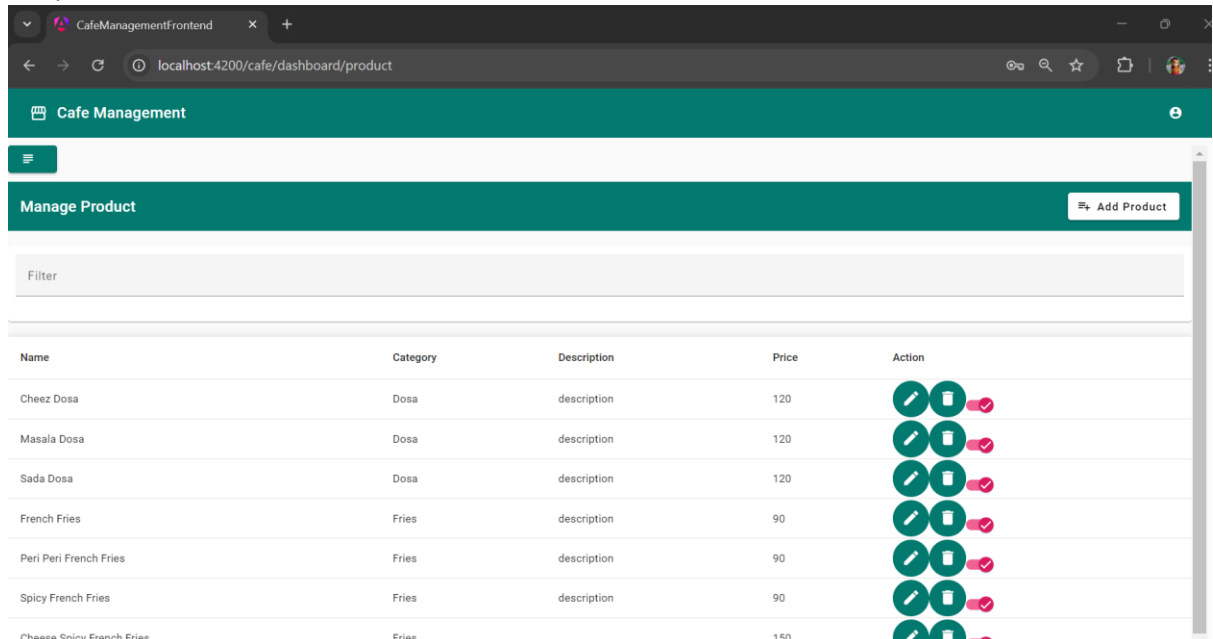
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


2. **Manage Category** – this will help to admin to create, edit and also filter the product category.

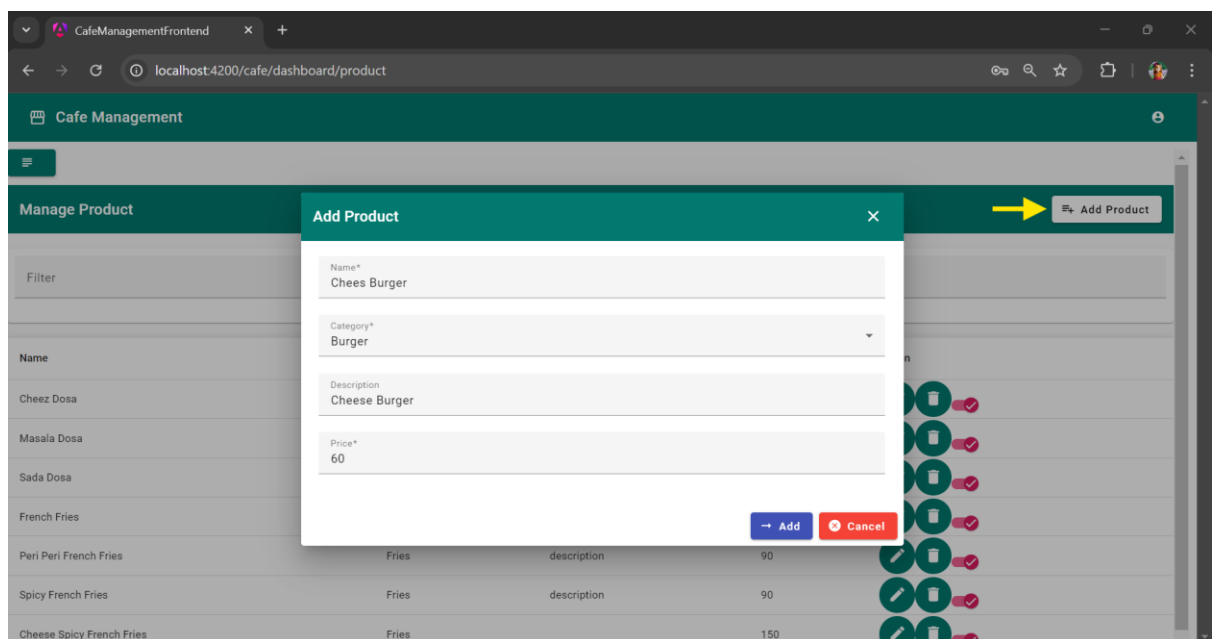


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3. **Manage Product** – this will help to admin to create, edit, delete, discontinue or continue, and filter the product.



Name	Category	Description	Price	Action
Cheez Dosa	Dosa	description	120	  
Masala Dosa	Dosa	description	120	  
Sada Dosa	Dosa	description	120	  
French Fries	Fries	description	90	  
Peri Peri French Fries	Fries	description	90	  
Spicy French Fries	Fries	description	90	  
Cheese Spicy French Fries	Fries		150	  



Add Product

Name*
Chees Burger

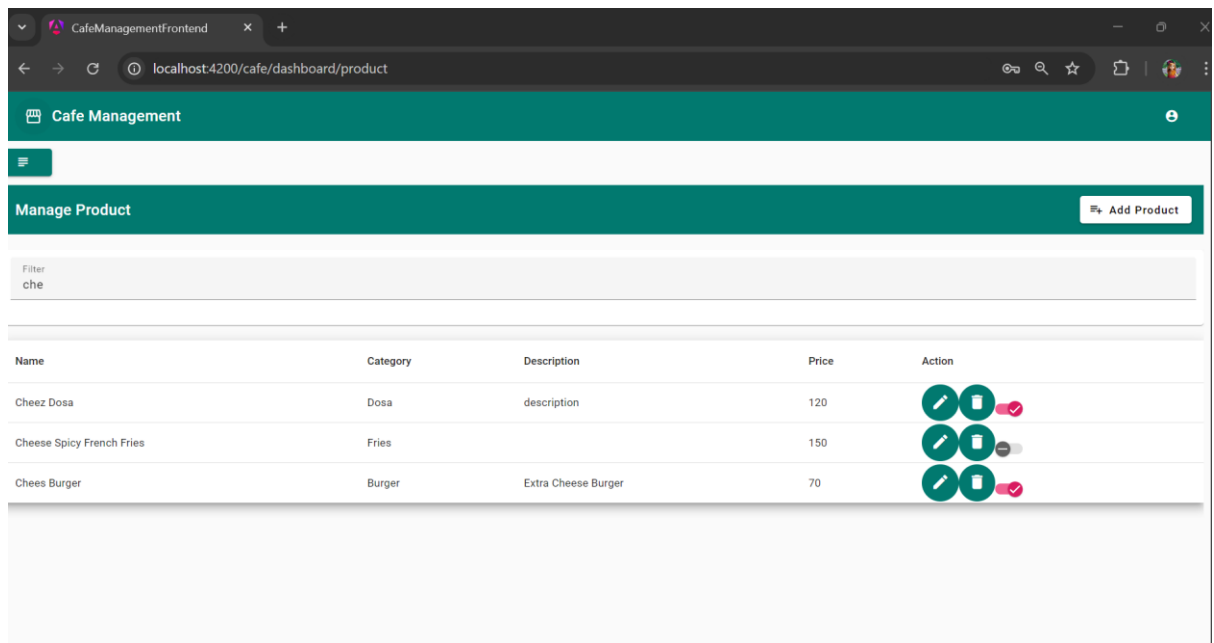
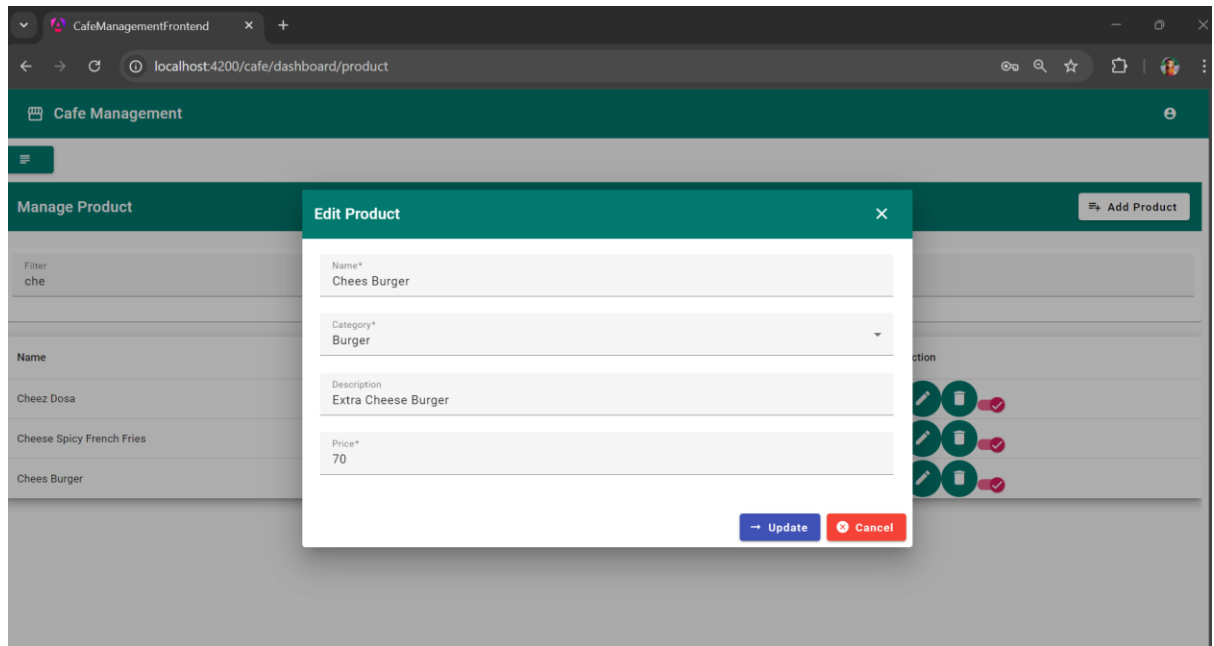
Category*
Burger

Description
Cheese Burger

Price*
60

[Add](#) [Cancel](#)

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4. **Manage Order** – this will help to admin to take the order and generate the bill in pdf.

The first screenshot shows the 'Manage Order' form with the following details:

- Customer Details:** Name: customer, Email: customer@mailinator.com, Contact Number: 1233243215, Payment Method: Cash.
- Select Product:** Category: Burger, Product: Chees Burger, Price: 70, Quantity: 1, Total: 70.
- Total Amount:** 0.

The second screenshot shows the 'Manage Order' form with the following details:

- Customer Details:** Name: customer, Email: customer@gmail.com, Contact Number: 1233243251, Payment Method: Cash.
- Select Product:** Category: Dosa, Product: Cheez Dosa, Price: 120, Quantity: 2, Total: 240.
- Total Amount:** 310.
- Order List:**

Name	Category	Price	Quantity	Total	Action
Chees Burger	Burger	70	1	70	
Cheez Dosa	Dosa	120	2	240	

The third screenshot shows the generated PDF bill with the following details:

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Name : customer
Email : customer@gmail.com
Contact Number : 1233243251
Payment Method : cash











































Name	Category	Quantity	Price	Sub Total
Chees Burger	Burger	1.0	70.0	70.0
Cheez Dosa	Dosa	2	120.0	240.0











































Total : 310.0

Thank you for visiting. Please visit again!!

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5. **View Bill** – this will help to show all the generate bill. Admin can view the bill delete the bill, download the bill and filter the bill by name.

Name	Email	ContactNumber	Payment Method	Total	Action
customer	customer@gmail.com	123243251	cash	310	  
customer	customer@gmail.com	123123123	cash	140	  
customer	customer@gmail.com	1231231231	cash	260	  
customer	customer@gmail.com	1231123112	cash	90	  
customer	customer@gmail.com	1231231231	cash	120	  
Hena	hena@gmail.com	926273646	cash	150	  
Saraswati Prajapati	abc99@gmail.com	1231231231	cash	70	  
Rahul	rahul@gmail.com	1234512345	cash	150	  
test1	test1@gmail.com	1234512345	cash	70	  
Rahul	rahul@gmail.com	1234512345	cash	70	  
Rahul	rahul@gmail.com	1234512345	cash	70	  
Rahul	rahul@gmail.com	1234512345	cash	70	  
Raj Srivastav	raj@gmail.com	1277567899	Cash	700	  
Priya Srivastav	priya@gmail.com	1234567899	Cash	700	  

Name	Email	ContactNumber	Payment Method	Total	Action
customer	customer@gmail.com	123243251	cash	310	  
customer	customer@gmail.com	123123123	cash	140	  
customer	customer@gmail.com	1231231231	cash	260	  
customer	customer@gmail.com	1231123112	cash	90	  
customer	customer@gmail.com	1231231231	cash	120	  
Hena	hena@gmail.com	926273646	cash	150	  
Saraswati Prajapati	abc99@gmail.com	1231231231	cash	70	  
Rahul	rahul@gmail.com	1234512345	cash	150	  
test1	test1@gmail.com	1234512345	cash	70	  
Rahul	rahul@gmail.com	1234512345	cash	70	  
Rahul	rahul@gmail.com	1234512345	cash	70	  
Rahul	rahul@gmail.com	1234512345	cash	70	  
Raj Srivastav	raj@gmail.com	1277567899	Cash	700	  
Priya Srivastav	priya@gmail.com	1234567899	Cash	700	  
















View Bill

Name: customer Email: customer@gmail.com

Contact Number: 1231243251 Payment Method: cash

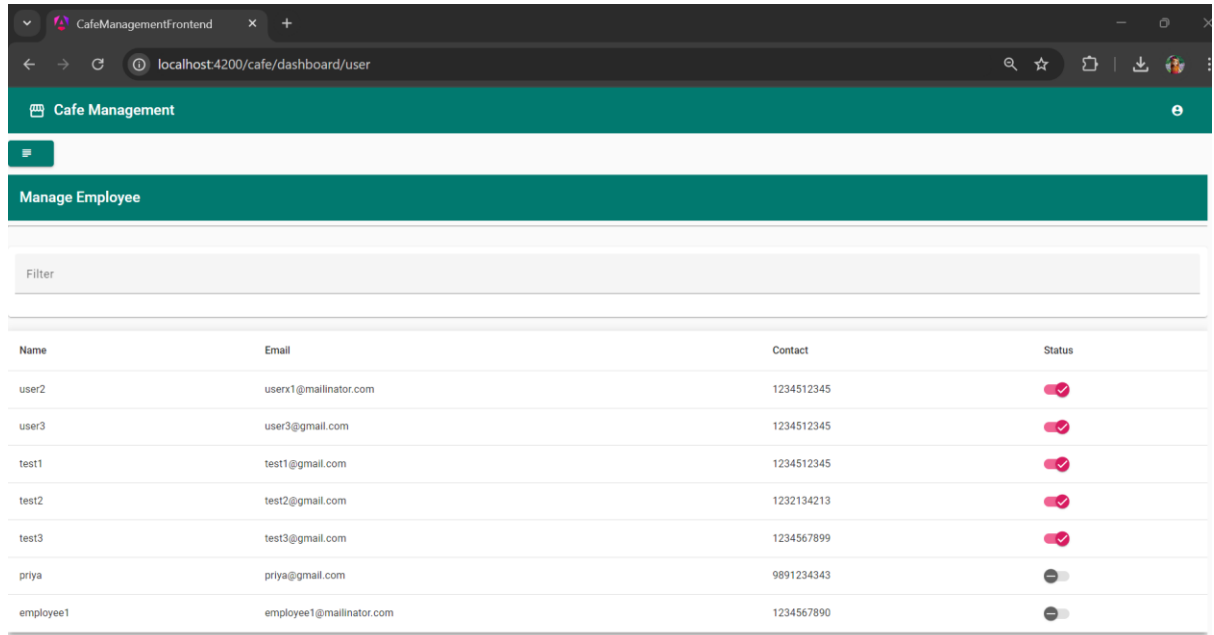
Total Amount: 310

Name	Category	Price	Quantity	Total
Cheese Burger	Burger	70	1	70
Cheese Dosa	Dosa	120	2	240

Name	Email	ContactNumber	Payment Method	Total	Action
customer	customer@gmail.com	123243251	cash	310	  
customer	customer@gmail.com	123123123	cash	140	  
customer	customer@gmail.com	1231231231	cash	260	  
customer	customer@gmail.com	1231123112	cash	90	  
customer	customer@gmail.com	1231231231	cash	120	  

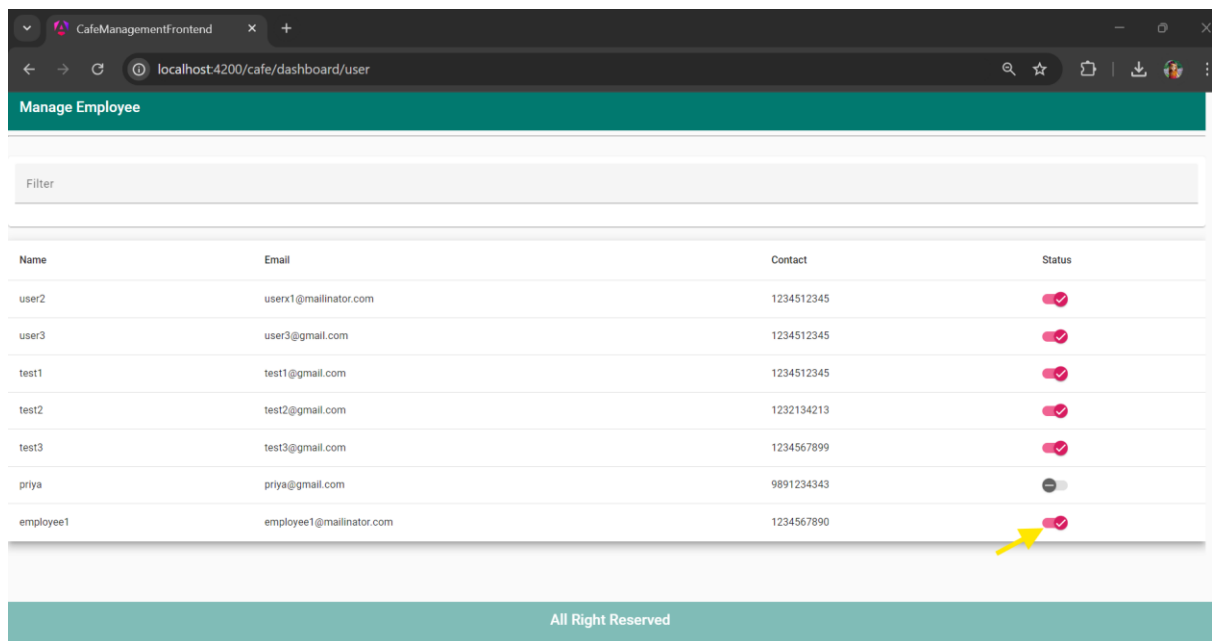
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6. **Manage Employee** – this will help to admin to manage the registered employee. Here admin activate or deactivate the employee and filter the employee by name.



The screenshot shows a web browser window with the URL `localhost:4200/cafe/dashboard/user`. The page title is "Cafe Management". Below the header, there is a "Manage Employee" section. A filter input field is present. The main content is a table with the following data:

Name	Email	Contact	Status
user2	userx1@mailinator.com	1234512345	<input checked="" type="checkbox"/>
user3	user3@gmail.com	1234512345	<input checked="" type="checkbox"/>
test1	test1@gmail.com	1234512345	<input checked="" type="checkbox"/>
test2	test2@gmail.com	1232134213	<input checked="" type="checkbox"/>
test3	test3@gmail.com	1234567899	<input checked="" type="checkbox"/>
priya	priya@gmail.com	9891234343	<input type="checkbox"/>
employee1	employee1@mailinator.com	1234567890	<input type="checkbox"/>



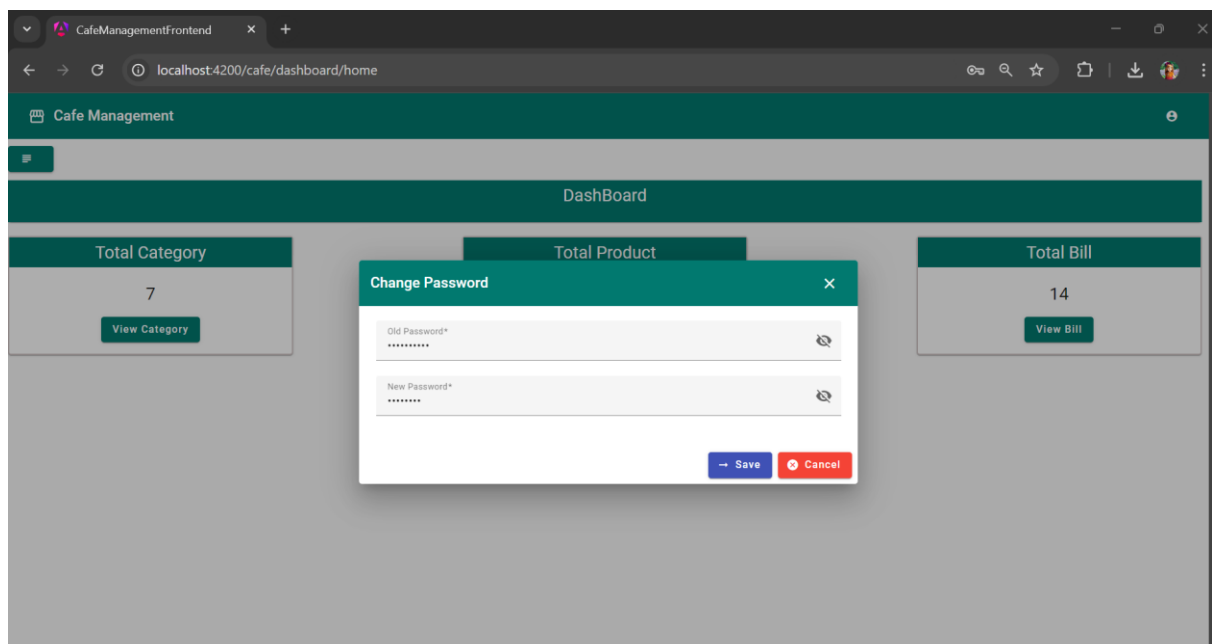
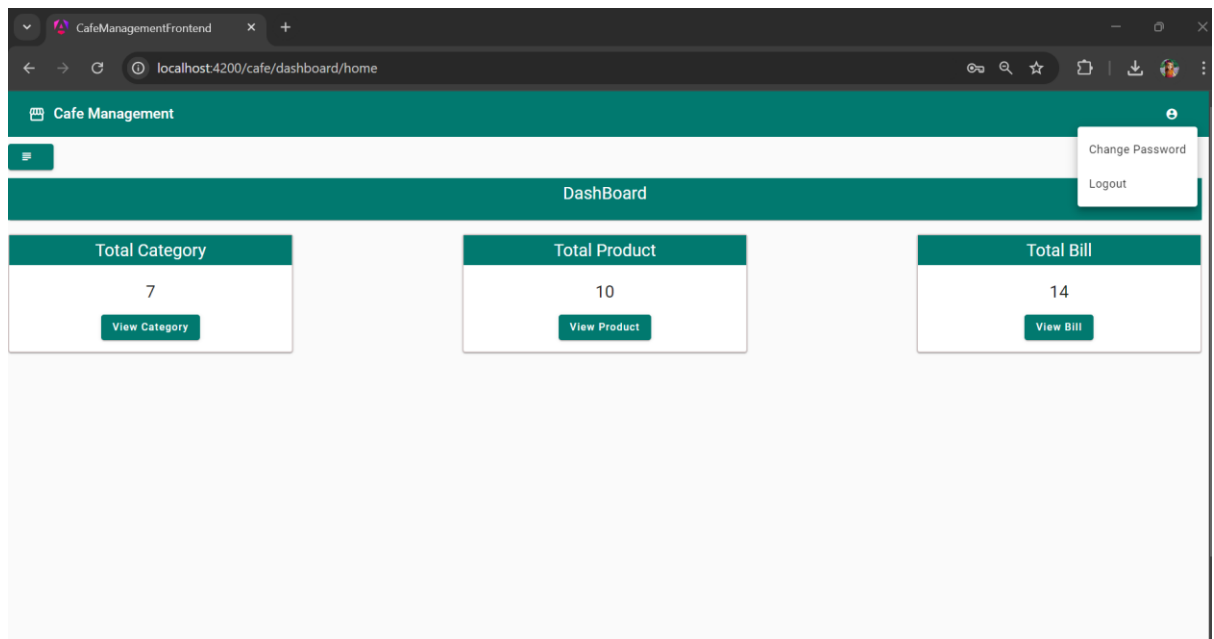
This screenshot is identical to the one above, but with a yellow arrow pointing to the status toggle switch for the employee named "employee1". The footer of the page reads "All Right Reserved".

Name	Email	Contact	Status
user2	userx1@mailinator.com	1234512345	<input checked="" type="checkbox"/>
user3	user3@gmail.com	1234512345	<input checked="" type="checkbox"/>
test1	test1@gmail.com	1234512345	<input checked="" type="checkbox"/>
test2	test2@gmail.com	1232134213	<input checked="" type="checkbox"/>
test3	test3@gmail.com	1234567899	<input checked="" type="checkbox"/>
priya	priya@gmail.com	9891234343	<input type="checkbox"/>
employee1	employee1@mailinator.com	1234567890	<input checked="" type="checkbox"/>

All Right Reserved

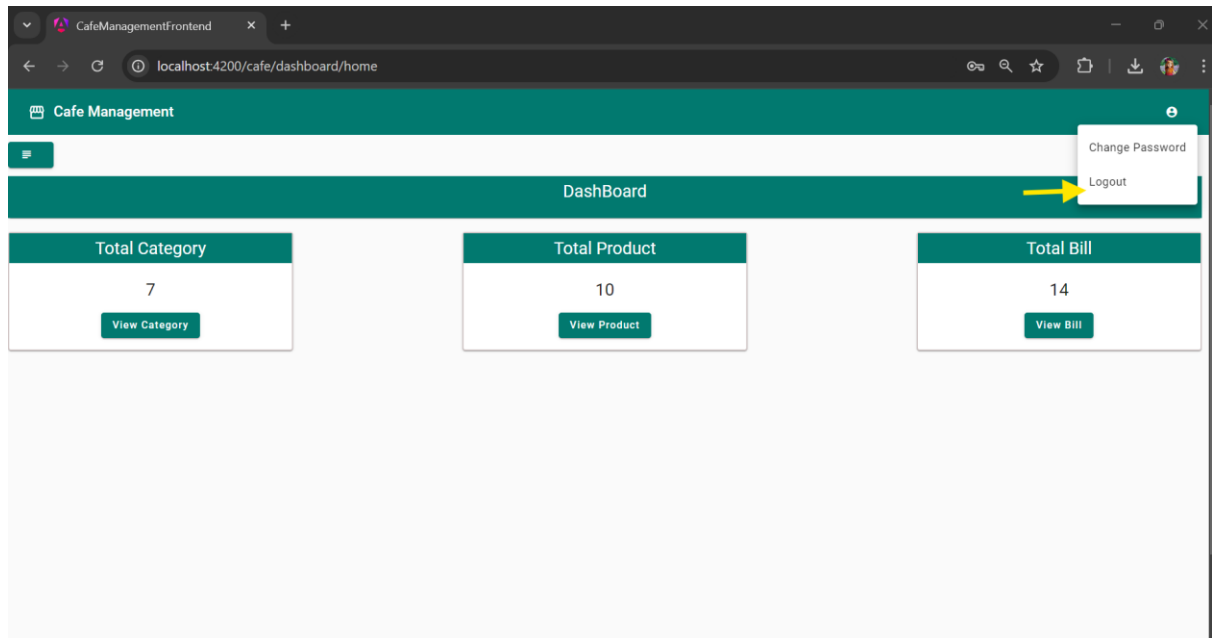
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7. **Change Password** – this will help the admin to change the password.



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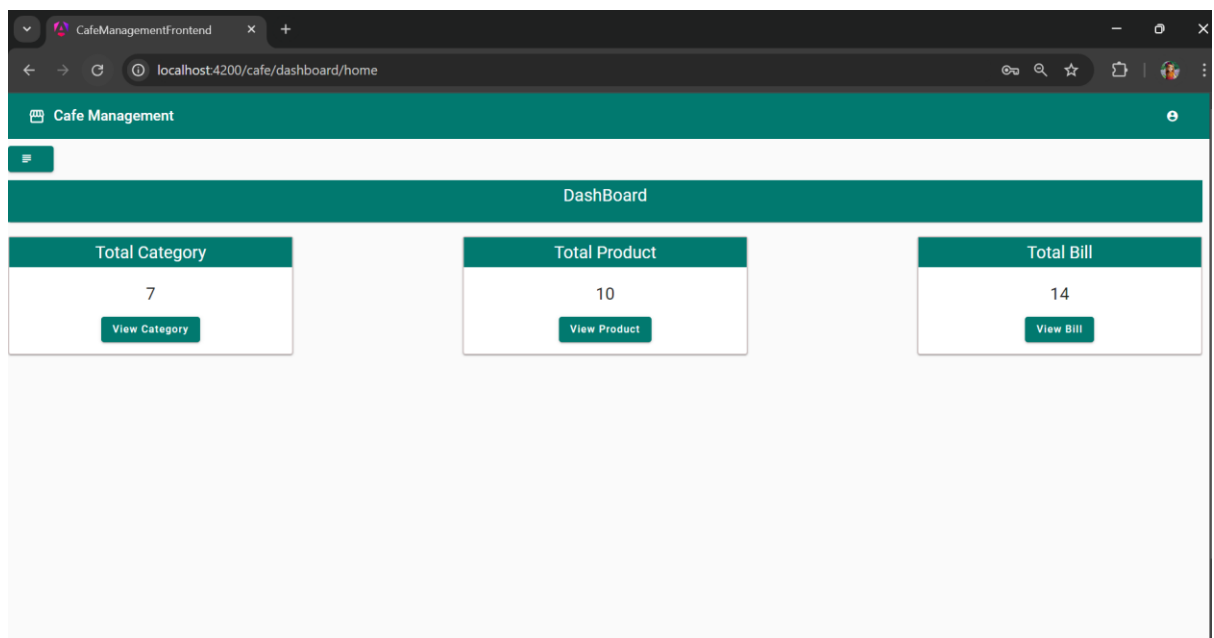
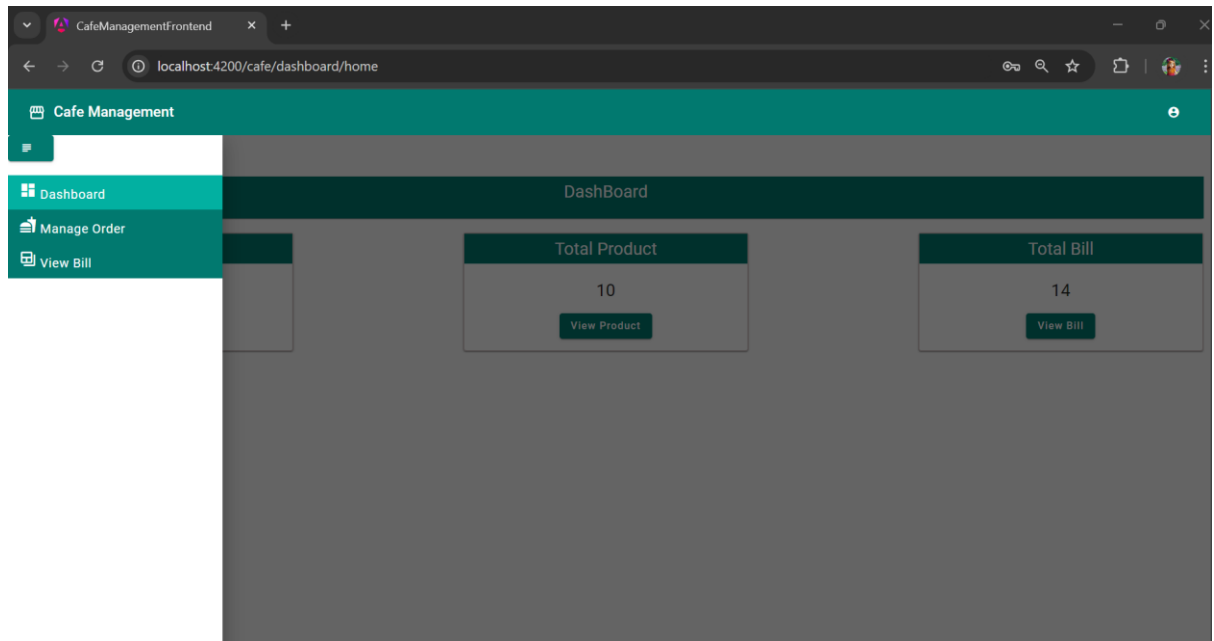
8. **Logout** – this will help the admin to logout.



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3) Employee Page Feature

1. **Dashboard** – this will show the count of total category, total product and total bills.



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2. **Manage Order** – this will help to employee to take the order and generate the bill in pdf.

The first screenshot shows the 'Manage Order' form with the following details:

- Customer Details:** Name: customer, Email: customer@mailinator.com, Contact Number: 1233243215, Payment Method: Cash.
- Select Product:** Category: Burger, Product: Chees Burger, Price: 70, Quantity: 1, Total: 70.
- Buttons:** Add, Submit & Get Bill (highlighted with a yellow arrow).
- Total Amount:** 0.

The second screenshot shows the same form after adding the product:

- Select Product:** Category: Dosa, Product: Cheez Dosa, Price: 120, Quantity: 2, Total: 240.
- Total Amount:** 310.
- Order List:** A table showing the items added to the order.

Name	Category	Price	Quantity	Total	Action
Chees Burger	Burger	70	1	70	
Cheez Dosa	Dosa	120	2	240	

The third screenshot shows the generated PDF bill:

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Name : customer
Email : customer@gmail.com
Contact Number : 1233243251
Payment Method : cash

Name	Category	Quantity	Price	Sub Total
Chees Burger	Burger	1.0	70.0	70.0
Cheez Dosa	Dosa	2	120.0	240.0

Total : 310.0

Thank you for visiting. Please visit again!!

Cafe Management System

3. **View Bill** – this will help to show all the generate bill by the employee. Employee can view the bill delete the bill, download the bill and filter the bill by name.

The screenshots illustrate the 'View Bills' functionality in the Cafe Management System. The first screenshot shows a list of bills with columns: Name, Email, ContactNumber, Payment Method, Total, and Action. The second screenshot shows a 'View Bill' modal dialog box overlaid on the list, displaying details for a specific bill (Name: customer, Contact Number: 1235243231, Total Amount: 110) and a table of items (Chees Burger, Dosa). The third screenshot shows the 'View Bills' page with a filter bar at the top and a list of bills.

Name	Email	ContactNumber	Payment Method	Total	Action
customer	customer@gmail.com	1235243231	cash	310	
customer	customer@gmail.com	123123123	cash	140	
customer	customer@gmail.com	1231231231	cash	260	
customer	customer@gmail.com	1231123112	cash	90	
customer	customer@gmail.com	1231231231	cash	120	
Hena	hena@gmail.com	9282733646	cash	150	
Saraswati Prajapati	abc99@gmail.com	1231231231	cash	70	
Rahul	rahul@gmail.com	1234512345	cash	150	
test1	test1@gmail.com	1234512345	cash	70	
Rahul	rahul@gmail.com	1234512345	cash	70	
Rahul	rahul@gmail.com	1234512345	cash	70	
Rahul	rahul@gmail.com	1234512345	cash	70	
Raj Srivastav	raj@gmail.com	1277967899	Cash	700	
Priya Srivastav	priya@gmail.com	1234367899	Cash	700	

View Bill

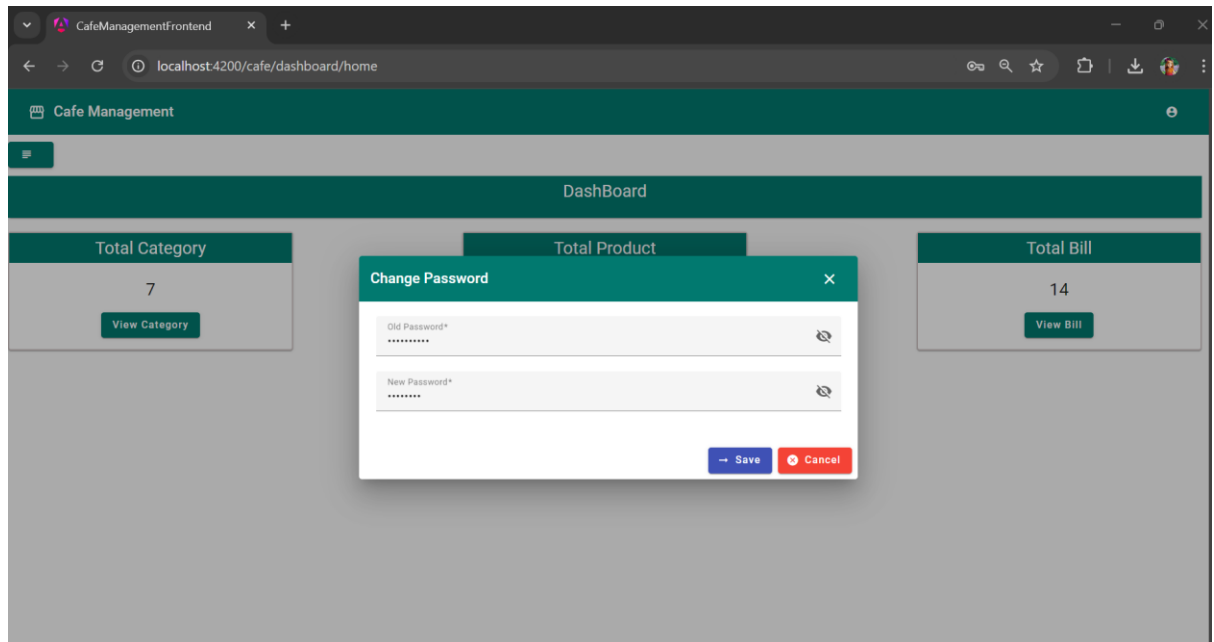
Name: customer
Contact Number: 1235243231
Total Amount: 110

Name	Category	Price	Quantity	Total
Chees Burger	Burger	70	1	70
Chees Dosa	Dosa	120	2	240

Name	Email	ContactNumber	Payment Method	Total	Action
customer	customer@gmail.com	1235243231	cash	310	
customer	customer@gmail.com	123123123	cash	140	
customer	customer@gmail.com	1231231231	cash	260	
customer	customer@gmail.com	1231123112	cash	90	
customer	customer@gmail.com	1231231231	cash	120	

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4. **Change Password** – this will help the employee to change the password.



5. **Logout** – this will help the employee to logout.

