

# Pizza Shop Billing Web Application

## Title Page

**Project Name:** Pizza Shop Billing Web Application

**Date:** 07.01.2025

**Developer:** SSF.Husna

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# 1. Introduction

The **Pizza Shop Billing Web Application** is a comprehensive platform designed to streamline billing and inventory management for a pizza shop. It allows managing items (pizzas, toppings, beverages), creating invoices, and printing them professionally.

## Technologies Used:

- **Frontend:** React.js
- **Backend:** Go (Golang)
- **Database:** PostgreSQL

**Purpose of the Document:** This document explains the functionalities of the application screens with annotated screenshots and outlines the database structure.

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## 2. Item Management Screen

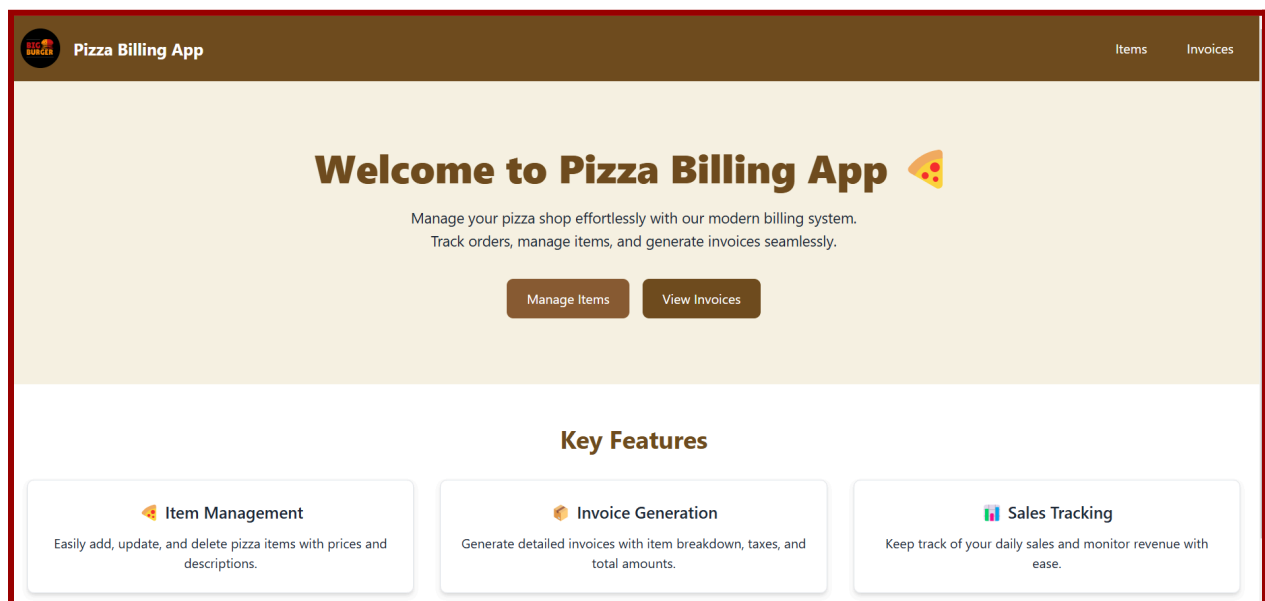
### Purpose:

This screen manages items such as pizza types, toppings, and beverages.

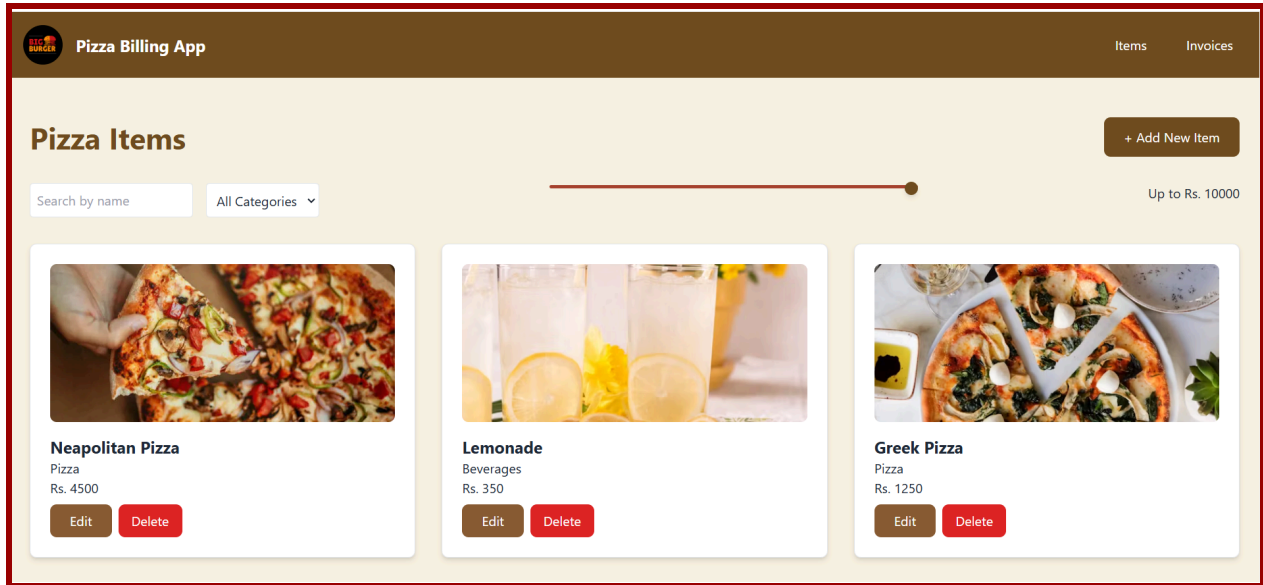
### Features:

- View all items (name, price, description, category).
- Add new items.
- Clickable item image to view each item details
- Edit existing items.
- Delete items.
- Pagination
- Search items
- Sorting items based on prices and categories

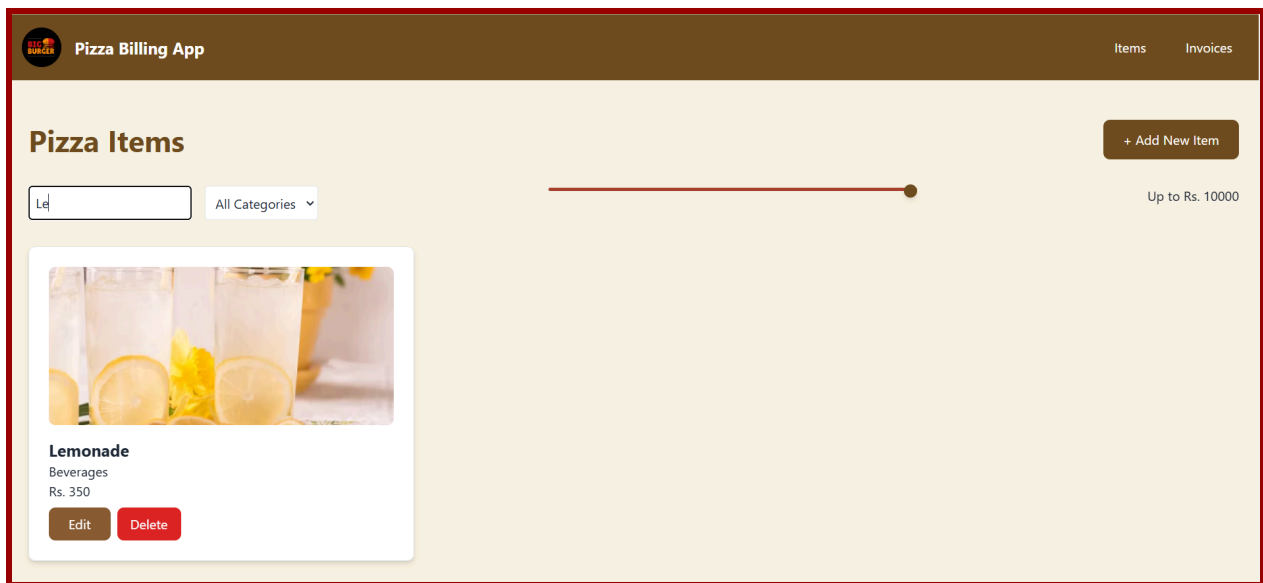
### Annotated Screenshot:



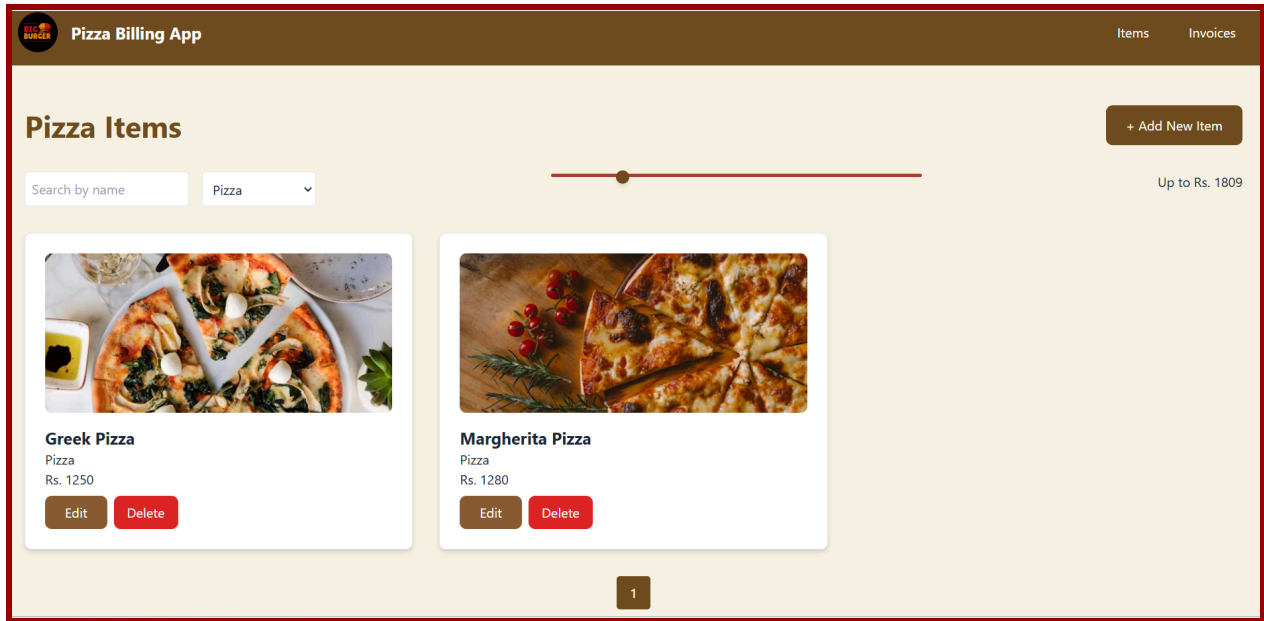
#### 1. Home page



*2. Item Landing page and Add Items Button: Displays all item details and create new items*



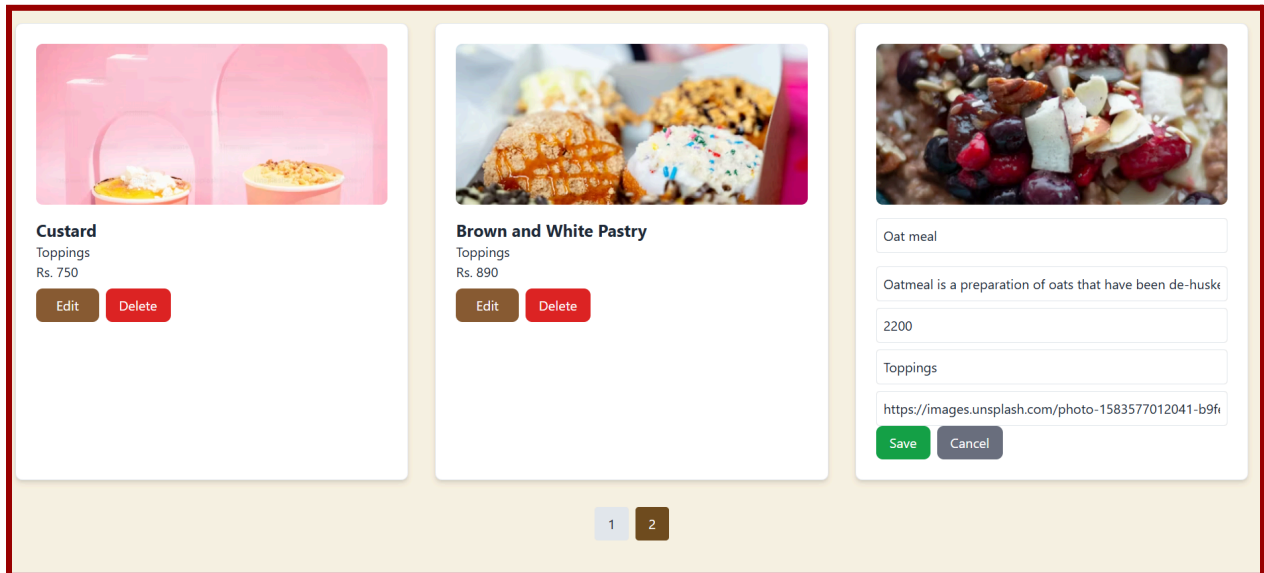
*3. Search Field: Search for each item by its name.*



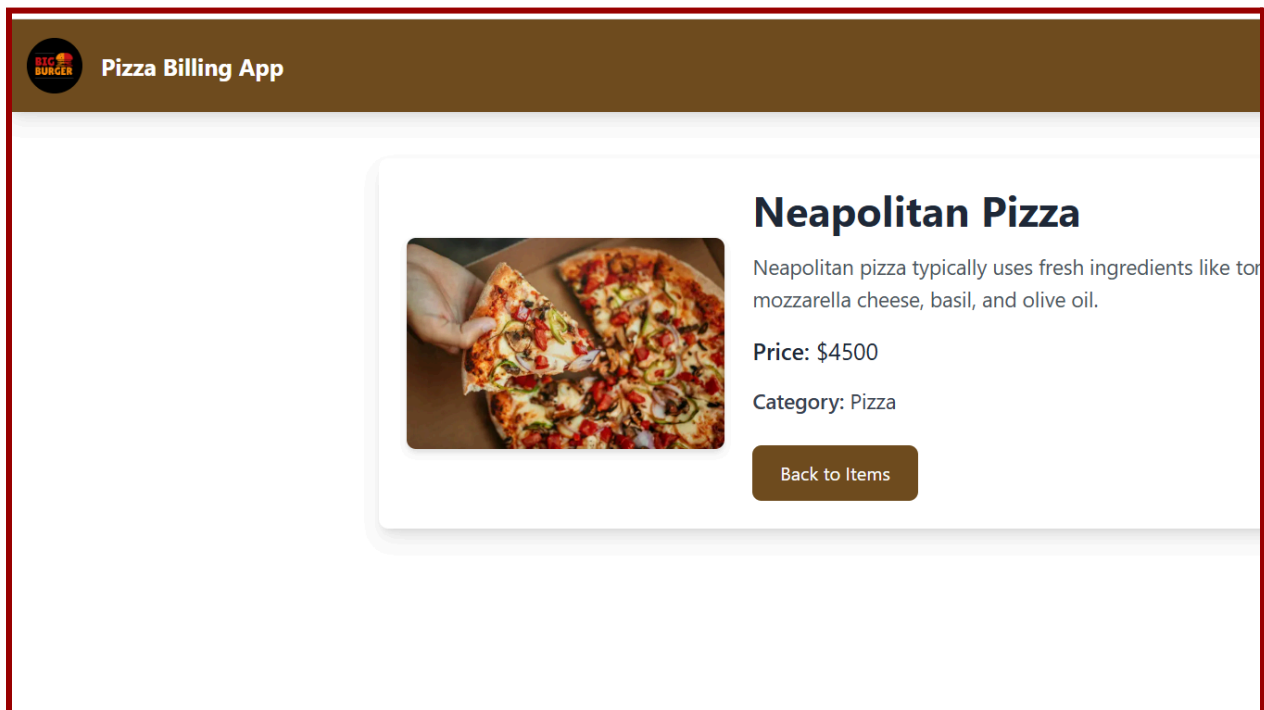
4. **Price Range and Category:** Sort items based on price range and categories.

The screenshot shows the 'Create New Item' form. The form is titled 'Create New Item' and contains several input fields: 'Item Name', 'Description', 'Price', 'Category', and 'Image URL'. Each field has a corresponding input box. At the bottom of the form, there is a 'Create Item' button.

5. **Form Fields:** Input fields for name, price, category, description, and image URL



**6. Action Buttons and pagination:** Edit/Delete individual items and implement pagination, displaying 6 items per page.



**7. Item Details:** View item details by clicking on the item image.

### 3. Invoice Management Screen

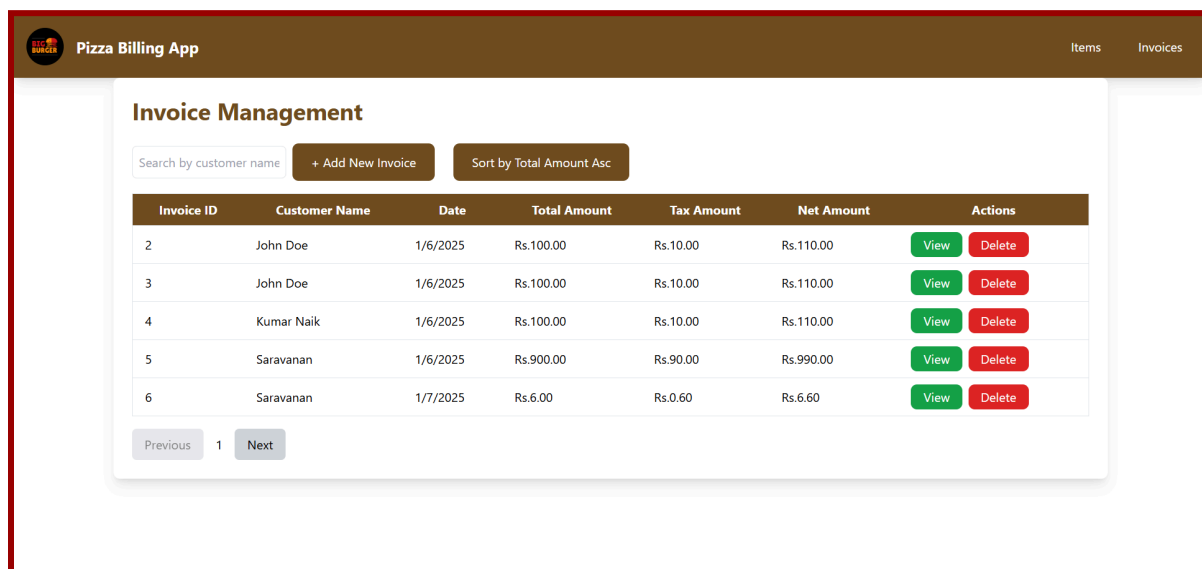
#### Purpose:

This screen allows managing customer invoices efficiently.


#### Features:

- View invoices with customer details, total amount, and tax.
- Invoice Details
- Create new invoices by selecting items
- Add items to invoice
- Remove Items from invoice
- Delete invoices.

#### Annotated Screenshot:



1. **Invoice Table** : Display all invoices with details, add an invoice, and sort the amount in ascending and descending order.


**Pizza Billing App**
Items
Invoices

### Invoice Details


#### Invoice #9

**Customer Name:** John Doe  
**Date:** 1/7/2025  
**Total Amount:** Rs.12793.00  
**Tax Amount:** Rs.1279.30  
**Net Amount:** Rs.14072.30

#### Items

Item Name	Quantity	Price	Amount
Cheese Pizza	2	Rs.1800.00	Rs.3600.00
Custard	4	Rs.550.00	Rs.2200.00
Lemonade	7	Rs.999.00	Rs.6993.00

2. *Invoice Details* : Display an invoice with its details.


**Pizza Billing App**
Items
Invoices


### Create Invoice

Customer Name: Sahan

Item	Quantity	Price	Total	Action
<input type="text" value="Cheese Pizza"/>	<input type="text" value="2"/>	<input type="text" value="2780"/>	Rs. 5560.00	<a href="#">Remove</a>
<input type="text" value="Avacado pro"/>	<input type="text" value="1"/>	<input type="text" value="390"/>	Rs. 390.00	<a href="#">Remove</a>

3. *Invoice Creation* :Display an invoice with its details, search by customer name, and add or remove items




**Pizza Billing App**

localhost:3001 says  
 Invoice created successfully


Items
 Invoices

### Create Invoice

Customer Name: Sahan

Item	Quantity	Price	Total	Action
<input type="text" value="Cheese Pizza"/>	<input type="text" value="2"/>	<input type="text" value="2780"/>	Rs. 5560.00	<a href="#">Remove</a>
<input type="text" value="Avacado pro"/>	<input type="text" value="1"/>	<input type="text" value="390"/>	Rs. 390.00	<a href="#">Remove</a>

4. **Save and View Invoice** :Save the invoice to the database, and when viewing the invoice, open it with the net amount.


**Pizza Billing App**

Items
 Invoices

### Invoice

Thank you for your business!

**Customer Name:** Sahan  
**Date:** 1/7/2025

Item Name	Quantity	Price	Amount
Cheese Pizza	2	Rs.2780.00	Rs.6545.00
Avacado pro	1	Rs.390.00	Rs.6545.00

**Total Amount:** Rs.5950.00  
**Tax Amount:** Rs.595.00  
**Net Amount:** Rs.6545.00

If you have any questions about this invoice, please contact us at [info@example.com](mailto:info@example.com).

5. **View Invoice** : Display the invoice with the customer name, net amount, and item details

## **4. Invoice Printing**

### **Purpose:**

Allows printing invoices in a professional format.

### **Features:**

- Print-ready invoice with clear formatting.
- Displays customer details, items, tax, and total amount.
- Print button available after generating the invoice.

## Annotated Screenshot:

The screenshot displays the 'Pizza Billing App' interface. On the left, a dark header bar contains the app's logo and name. The main content area shows an 'Invoice' for 'Sahan' dated '1/7/2025'. It includes a table of items: 'Cheese Pizza' (2 units, Rs.2780.00 each, totaling Rs.6545.00) and 'Avacado pro' (1 unit, Rs.390.00, totaling Rs.6545.00). The total amount is Rs.5950.00, with a tax of Rs.595.00, resulting in a net amount of Rs.6545.00. A 'Print' button is visible at the bottom right. On the right side, a 'Print' settings panel is open, showing options for destination (Microsoft Print to PDF), pages (All), layout (Portrait), and color (Color). A 'More settings' dropdown is also present.

**Invoice**  
Thank you for your business!

**Customer Name:** Sahan  
**Date:** 1/7/2025

Item Name	Quantity	Price	Amount
Cheese Pizza	2	Rs.2780.00	Rs.6545.00
Avacado pro	1	Rs.390.00	Rs.6545.00

**Total Amount:** Rs.5950.00  
**Tax Amount:** Rs.595.00  
**Net Amount:** Rs.6545.00

If you have any questions about this invoice, please contact us at [info@example.com](mailto:info@example.com).

**Print** **Cancel**

1. **Customer Details, Items List, Tax & Total:** Display the customer name, the list of purchased items, and the final calculations of amounts, including tax and total

## 6. Conclusion

The **Pizza Shop Billing Web Application** efficiently handles item management, invoice generation, and invoice printing.

### Key Features:

- Item Management
- Invoice Management
- Invoice Printing

**Technologies Used:** React, Go, PostgreSQL

This application enhances operational efficiency and simplifies daily billing processes for pizza shops.

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*End of Document*