

E-commerce Management System Project Presentation

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Subject : Building Restful APIs using ASP .NET core

Introduction

- Need for managing products, sales, and customers efficiently
- Manual management is error-prone
- Problems: Lost sales, poor customer experience
- Solution: Automated, secure system with dashboard

Objective

- Manage mobile products, categories, stock
- JWT-based authentication
- Role-based access (Admin, Staff, Customer)
- Manage sales, invoices, checkout
- Dynamic dashboard with search, filter, pagination

Dashboard

- Shows total Products, Customers, Sales, Categories
- Alerts for low stock
- Recent transactions overview
- Role-based access views
- Real-time visualization

E-Commerce Mobile Store Dashboard

Boost your sales today 🚀

04 Oct, 2024 | 10:35 AM



Total Products

250+



Orders

120



Customers

80



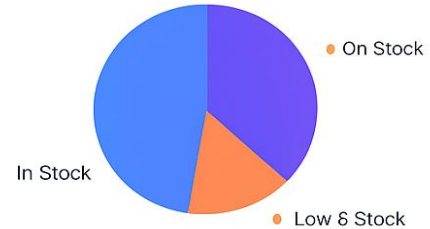
Today's Sales

₹15,000

Monthly Sales



Stock Status



Product List - Product Management

- View all products with details (ID, Name, Price, Stock, Image)
- Add Product – Insert new product into mobile store
- Edit – Modify existing product details
- Delete – Remove unwanted products
- Info – View detailed product information
- Search – Quickly find products
- Filter – Narrow down products by category or price
- Detailed info (RAM, Storage, Price)

AJAX Calls

- Live search suggestions
- Add-to-cart without page reload
- Real-time stock updates

Product Management

+ Add New Product

✓ Item added to cart successfully

ID	Model Name	Company	Price	Category	Stock	Launch Date	Actions
4	v27	vivo	₹ 35,000.00	No Category	10 in stock	Jan 04, 9999	✓ 👁 ✎ 🗑
5	v29	vivo	₹ 34,000.00	No Category	15 in stock	Jan 01, 2005	🛒 👁 ✎ 🗑

Edit Product

Model Name

v27

Company Name

vivo

Price

35000.00

Stock

10

Category

samsung

Launch Date

04-01-9999

Description

☐ Is Removed

Update Product

Cancel

+ Add New Product

Model Name *

Company Name *

\$ Price *

0

Launch Date

01-01-0001

Category

-- Select Category --

Created By

-- Select User --

Stock

0

☐ Removed/Hidden

Mark as removed to hide from listings

Description

Enter product description

Back to List

Create Product

Categories Management

Search & Filter

- Search mobiles by name, model, brand, price
- Filter by category, price range, availability
- Applied on at least two screens

Pagination

- API-driven pagination for product listing & sales history
- Option for page size selection

CRUD

- Applied full crud operations

Categories

[+ Add New Category](#)

Category Management

Show entries

Search:

Category Name	User ID	Created Date	Modified Date	Actions
nothing	13	10-09-2025 10:44:18	10-09-2025 10:44:18	Details Edit Delete
realme	17	07-09-2025 22:10:37	07-09-2025 22:10:37	Details Edit Delete
iphone	16	05-08-2025 23:44:09	13-09-2025 21:44:11	Details Edit Delete
redmi	17	01-09-2025 09:15:54	01-09-2025 09:15:54	Details Edit Delete
vivo	13	01-09-2025 09:15:23	13-09-2025 21:45:18	Details Edit Delete
samsung	1	01-08-2025 21:42:02	01-08-2025 21:42:02	Details Edit Delete
string	7	01-08-2025 16:29:19	01-08-2025 16:29:19	Details Edit Delete

Showing 1 to 7 of 7 entries

[Previous](#) [1](#) [Next](#)

Create New Category

[← Back to Categories](#)

Category Information

Category Name *

User *

Select User




✕ Cancel

 Create Category

Delete Category

[← Back to Categories](#)

Confirm Category Deletion

 **Warning!** Are you sure you want to delete this category? This action cannot be undone.

Category Name: nothing
User ID: 13
Created Date: 10-09-2025 10:44:18
Modified Date: 10-09-2025 10:44:18

✕ Cancel

 Delete Category

Cart Management

- Displays all products added by the user into the cart
- Columns include: **Product (name, company, price)**, **User**, **Quantity**, **Added Date**, and **Actions**
- Details → View product info
- Edit → Update quantity or details
- Remove → Delete product from cart
- Supports **search, filter, and pagination** for managing cart entries
- Provides real-time updates when products are added or removed

Shopping Cart

[+ Add to Cart](#)

Cart Items

Show entries

Search:

Product	User	Quantity	Added Date	Actions
v27 vivo ₹ 35,000.00	keval	1	13-09-2025 21:22:24	Details Edit Remove
v29 vivo ₹ 34,000.00	keval	1	01-09-2025 09:27:39	Details Edit Remove
v29 vivo ₹ 34,000.00	keval	1	01-09-2025 09:16:49	Details Edit Remove

Showing 1 to 3 of 3 entries

[Previous](#) [1](#) [Next](#)

Cart Summary

Total Items: 3

Total Quantity: 3

[Proceed to Checkout](#)

Delete Cart Item

[← Back to Cart](#)

Confirm Cart Item Deletion

Cart ID: 12
Product ID: 5
User ID: 13
Quantity: 1
Total: 34000.00
Added Date: 01-09-2025 09:27:39

[× Cancel](#)[Delete Item](#)

Edit Cart Item

[← Back to Cart](#)

Edit Cart Item

Product *

v27



User *

keval



Quantity *

1

Total

35000.00

Total will be calculated automatically

[× Cancel](#)[Update Cart Item](#)

Billing & Checkout

- Collects **customer details** (Name, Email, Phone, Address).
- Displays **order summary** with product images, model, quantity, price, and subtotal.
- Calculates **subtotal, tax/GST, discounts, and grand total** automatically.
- Provides **multiple payment options**: UPI, Wallet, Card, COD.
- Includes a **green checkout button** for final order confirmation.

Customer Information

Name

Email

Phone

1234 Eim Street, Springfield, IL 62704

Checkout

Order Summary

Product		Model	Quan	Price	Subtotal
	v29	v29	2	₹ 34,000	₹ 63,000.0
	v27	v27	1	₹ 35,000	₹ 35,000.0

Subtotal	₹ 103,000.00
Tax / GST 10%	₹ 10,300.00
Discount	- ₹ 5,000.00

Grand Total

₹ 108,800.00

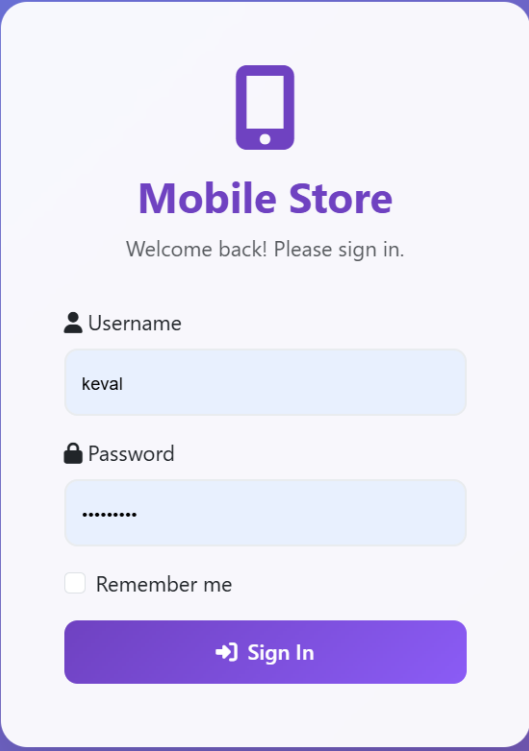
UPI

Wallet


Card

COD

Authentication (JWT) & Role-Based Access Control




The image shows a mobile application login screen for 'Mobile Store'. It features a purple header with a smartphone icon and the app name. Below the header, there is a welcome message and a sign-in form. The form includes fields for 'Username' (containing 'keval') and 'Password' (masked with dots). There is a 'Remember me' checkbox and a purple 'Sign In' button with a right-pointing arrow icon.




Mobile Store

Welcome back! Please sign in.


 Username

keval

 Password

.....

☐ Remember me

 Sign In

- Secure API calls using JSON Web Tokens
- Login/Signup with token authentication
- Role-based token claims
- Admin: Manage products, users, sales
- Staff: Limited management access
- Customer: Browse, add to cart, place orders



THANK YOU
