

# ShopEZ: E-commerce Application

## Abstract:

ShopEZ is a comprehensive e-commerce application designed to streamline the shopping experience for users and provide robust order and inventory management for sellers. This project aims to create an accessible and efficient platform where users can explore, search, and purchase products easily. The application leverages React.js for the frontend, Node.js and Express.js for backend API management, and MongoDB for data storage, ensuring a seamless user experience from browsing to checkout.

The primary focus of ShopEZ is to offer a personalized and intuitive interface for users, along with an analytics-driven dashboard for sellers. This dashboard allows sellers to manage their product listings, monitor sales metrics, and gain insights into customer preferences. The project also integrates secure payment and checkout features, enabling users to make transactions confidently. By combining these features, ShopEZ delivers a modern e-commerce platform that enhances the buying and selling process.

## Key Features:

- **Comprehensive Product Catalog:** Users can browse a wide range of products with detailed descriptions, pricing, and user reviews.
- **Seamless Checkout Process:** The checkout is designed to be quick and user-friendly, minimizing steps for a smooth transaction experience.
- **User-Friendly Interface:** The application offers an intuitive, responsive design optimized for both desktop and mobile use.
- **Secure and Efficient Order Management:** Order history and tracking are accessible to users, while sellers can efficiently manage orders through the dashboard.
- **Seller Analytics and Dashboard Functionality:** The seller dashboard provides insights into product performance, inventory levels, and sales trends, helping sellers make data-informed decisions.

## **Introduction:**

In today's digital age, e-commerce has become a cornerstone of modern retail, enabling consumers to shop for a wide variety of products from the convenience of their devices. With the growing demand for personalized and efficient online shopping experiences, there is a need for platforms that provide not only a vast catalog of products but also intuitive navigation, secure transactions, and easy access to information. **ShopEZ** addresses these needs by offering a feature-rich, full-stack e-commerce platform designed to enhance both the buyer's and seller's journey.

## **Project Objective:**

The objective of this project is to build a scalable e-commerce application using the MERN (MongoDB, Express.js, React.js, Node.js) stack. The platform, ShopEZ, aims to provide users with a seamless shopping experience, from product discovery to checkout, while also offering a powerful backend system for sellers to manage their products and monitor sales. This project also prioritizes creating a secure and efficient order management system to build user trust and ease business operations for sellers.

## **Key Features of ShopEZ:**

1. **Effortless Product Discovery:** Users can explore various categories, apply filters, and quickly locate products that match their preferences.
2. **Personalized Recommendations:** Using a recommendation system, ShopEZ offers personalized product suggestions based on browsing and purchase history, providing a more tailored experience for each user.
3. **Seamless Checkout Process:** The application simplifies the checkout process, allowing users to easily enter shipping details, choose payment options, and confirm their orders.
4. **Order Management Dashboard for Sellers:** Sellers have access to an intuitive dashboard that allows them to add new products, update inventory, track orders, and analyze customer activity.
5. **Robust Data Analytics:** The seller dashboard provides actionable insights through analytics, helping sellers understand customer preferences and sales trends.

**Project Scope:** ShopEZ is designed with a modular approach, ensuring flexibility for future expansion and scalability. The platform can be enhanced with additional features such as customer loyalty programs, AI-driven recommendations, and multilingual support as business needs grow. The current scope includes implementing the core functionalities of product browsing, cart management, secure checkout, and order tracking, along with a dedicated backend system for seller operations.

**Target Audience:** The primary target audience for ShopEZ includes both consumers looking for a hassle-free online shopping experience and small-to-medium-sized businesses (SMBs) aiming to reach a broader customer base with minimal operational complexity. By catering to both segments, ShopEZ provides a versatile e-commerce platform that meets the needs of modern shoppers and business owners.

## **Project Requirements:**

For the successful development and deployment of ShopEZ, the following requirements are essential. They encompass both functional and non-functional requirements as well as software and hardware dependencies.

### **1. Functional Requirements:**

- **User Registration and Authentication:** Users (both buyers and sellers) must be able to register, log in, and manage their accounts securely.
- **Product Management:** Sellers can add, edit, delete, and categorize products.
- **Shopping Cart and Wishlist:** Users can add products to a shopping cart or save them in a wishlist for future consideration.
- **Search and Filtering:** The application must allow users to search for products, apply filters (such as price, brand, and ratings), and view results.
- **Checkout Process:** A secure and user-friendly checkout process that includes shipping details, payment options, and order confirmation.
- **Order Management:** Buyers can track orders, while sellers can view order history, update status, and manage returns or exchanges.
- **Notifications and Alerts:** Users should receive notifications on important activities such as order confirmation, shipping updates, and promotional offers.

### **2. Non-Functional Requirements:**

- **Scalability:** The platform should support a growing user base without degradation in performance.
- **Security:** Data privacy, user authentication, and secure payment transactions must be guaranteed.
- **Usability:** The user interface should be intuitive and responsive across various devices, enhancing the overall user experience.
- **Performance:** The platform must be responsive with minimal loading times, even during high traffic.

## **Technology Stack:**

To build a scalable, secure, and high-performance e-commerce platform, the following technology stack is selected:

### **1. Frontend:**

- **React.js:** A popular JavaScript library used for building dynamic and interactive user interfaces. It allows for the creation of reusable UI components, enabling a seamless and responsive shopping experience.
- **Redux:** A state management library that helps manage application state across various components, improving performance and scalability.

### **2. Backend:**

- **Node.js:** A server-side JavaScript runtime environment that supports scalable, real-time applications.

- **Express.js:** A lightweight framework for building APIs and handling server-side logic, enabling efficient handling of HTTP requests.
3. **Database:**
- **MongoDB:** A NoSQL database suitable for managing the flexible data models common in e-commerce, such as product catalogs and user profiles. Its scalability makes it ideal for managing high volumes of data.
4. **Payment Gateway:**
- **Stripe/PayPal API:** Used for handling secure payment transactions, allowing users to complete purchases with multiple payment options.
5. **Hosting and Deployment:**
- **AWS/Heroku:** Cloud platforms that support the deployment of both frontend and backend services, ensuring scalability and reliability.
  - **GitHub:** Version control for collaborative development and managing source code.
6. **Additional Tools:**
- **Postman:** For API testing to ensure the backend is functioning correctly.
  - **Jest and Enzyme:** Testing frameworks for running unit tests on React components and ensuring application reliability.

## **System Requirements:**

- **Minimum Hardware Requirements:**
  - CPU: Quad-core processor
  - RAM: 8 GB
  - Storage: 500 GB HDD or SSD
  - Operating System: Windows, macOS, or Linux
- **Recommended Hardware Requirements:**
  - CPU: Octa-core processor
  - RAM: 16 GB or higher
  - Storage: 1 TB SSD
  - Operating System: Windows 10/11, macOS, or Linux

## **System Architecture Overview:**

The system architecture of the ShopEZ platform is based on a three-tier architecture model, which includes the **Presentation Layer**, **Business Logic Layer**, and **Data Layer**. This architecture enables separation of concerns, modularity, and scalability, facilitating a robust, maintainable, and extensible system.

### **1. Presentation Layer (Frontend):**

- This layer is responsible for user interaction and is built using **React.js** to create an interactive and responsive UI.
- **Redux** is utilized for state management, ensuring that UI components reflect the current state of the application accurately.
- The Presentation Layer communicates with the backend API to fetch and display data, manage user sessions, and handle user inputs, such as adding items to the cart or completing a purchase.

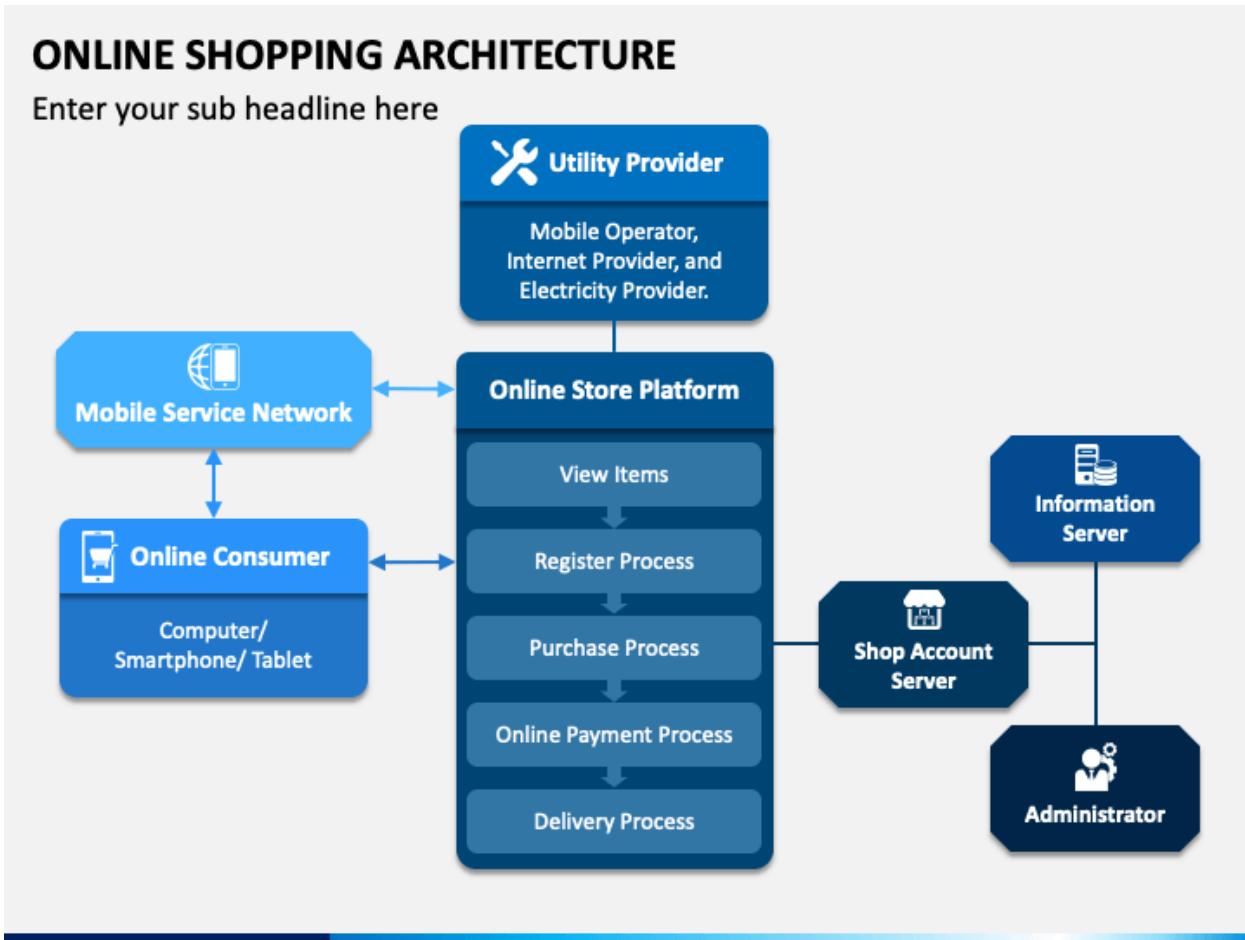
### **2. Business Logic Layer (Backend):**

- The backend is built on **Node.js** with **Express.js** as the framework to manage HTTP requests and handle business logic, such as product recommendations, user authentication, and order processing.
- RESTful APIs are exposed to manage interactions between the frontend and backend, enabling seamless data exchange.
- Middleware components within Express.js provide features such as logging, authentication, and validation for incoming requests.

### **3. Data Layer (Database):**

- **MongoDB** serves as the primary database, storing structured data for users, products, orders, and transaction histories.
- **Mongoose**, an Object Data Modeling (ODM) library, is used to define schemas and models for structured database access and data validation.
- The Data Layer handles CRUD (Create, Read, Update, Delete) operations and stores user-related information, product catalog details, and order histories.

## System Architecture Diagram:



## Detailed Design Components:

1. **User Management Module:**
  - Handles user registration, login, authentication (using JWT tokens), and profile management.
  - Passwords are securely hashed using bcrypt before being stored in the database to ensure data privacy.
2. **Product Catalog Module:**
  - Manages product listings, categorization, and filtering options for an intuitive browsing experience.
  - Product information includes details like name, price, category, description, and availability.
3. **Shopping Cart Module:**
  - Enables users to add, update, or remove items from their cart.
  - The cart is saved in the database to persist user selections across sessions.
4. **Order Processing Module:**
  - Manages the checkout process, order creation, and payment handling through a third-party API like **Stripe**.

- Ensures that once an order is placed, it is recorded, and the order status is updated throughout its lifecycle.
5. **Notification and Alert Module:**
- Sends real-time notifications for critical events like order confirmation, shipping updates, and promotional offers.
  - Implements email and SMS notification services for enhanced user experience.
6. **Search and Filtering Module:**
- Supports keyword-based searching and filtering by criteria such as price, rating, and category.
  - Enhances product discoverability and improves the overall user experience.

### Data Flow:

- When a user interacts with the frontend (e.g., adding a product to the cart), the **Presentation Layer** makes a request to the backend.
- The **Business Logic Layer** processes this request, updates the **Data Layer** (MongoDB), and responds back to the frontend.
- In case of sensitive operations (e.g., checkout), the backend communicates with a third-party API (e.g., **Stripe**) to handle payment securely.

### Security Considerations:

1. **User Authentication and Authorization:** Uses JSON Web Tokens (JWT) to secure user sessions and prevent unauthorized access.
2. **Data Encryption:** Sensitive data (e.g., passwords, payment information) is encrypted before storage and during transmission.
3. **Input Validation and Sanitization:** Ensures data integrity by validating inputs to prevent common vulnerabilities like SQL injection and Cross-Site Scripting (XSS).

### Database Schema Overview:

The ShopEZ platform uses **MongoDB** as its database, designed with collections for users, products, orders, and carts. This NoSQL database structure enables flexible and scalable data storage, supporting the e-commerce functionality efficiently.

### Database Collections and Key Fields:

1. **Users Collection:**
  - **userId:** Unique identifier for each user.
  - **username:** User's display name.
  - **email:** User's contact email.
  - **password:** Securely hashed user password.
  - **createdAt:** Date of account creation.
  - **address:** Stores user shipping addresses for order fulfillment.

## 2. Products Collection:

- **productId:** Unique identifier for each product.
- **name:** Name of the product.
- **category:** Product category (e.g., electronics, clothing).
- **price:** Cost of the product.
- **description:** Product details.
- **stock:** Quantity available in inventory.
- **createdAt:** Date the product was added to the platform.

## 3. Orders Collection:

- **orderId:** Unique identifier for each order.
- **userId:** Reference to the user who placed the order.
- **productIds:** List of products in the order.
- **totalAmount:** Total cost of the order.
- **status:** Current status (e.g., pending, shipped).
- **createdAt:** Date the order was placed.

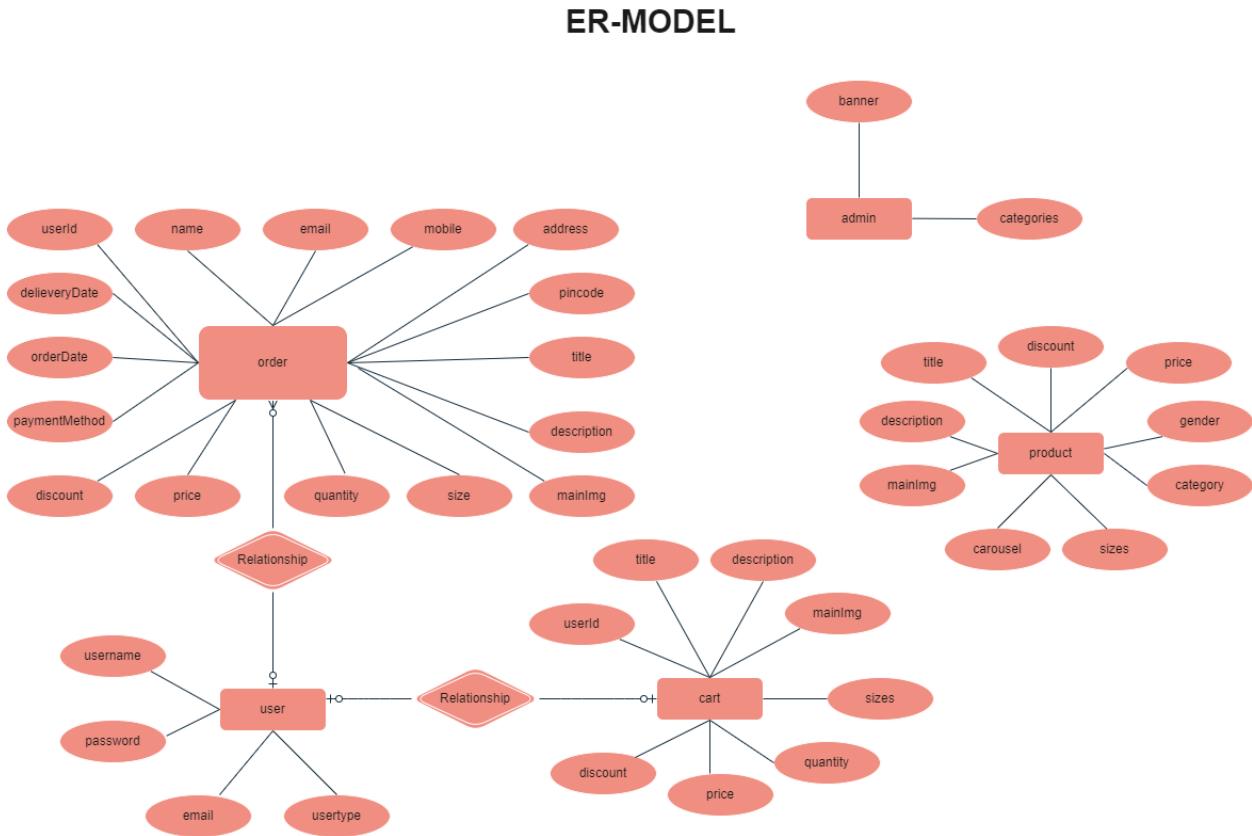
## 4. Cart Collection:

- **cartId:** Unique identifier for the cart.
- **userId:** Reference to the user owning the cart.
- **items:** List of products with quantities.
- **updatedAt:** Last modified date.

## Data Relationships:

- **User-Order Relationship:** Each user can have multiple orders, established by referencing **userId** in the Orders collection.
- **Cart-User Relationship:** Each user has a single cart, facilitating an efficient shopping experience by persisting items between sessions.

## Schema Diagram:



## Core Features of ShopEZ:

- Comprehensive Product Catalog:**
  - ShopEZ features a robust catalog showcasing various products, allowing users to browse through multiple categories.
  - Users can view detailed product descriptions, pricing, reviews, and discounts to make informed purchasing decisions.
  - Feature Implementation:** The product catalog is dynamically fetched from the database and displayed on the frontend using React components for a smooth browsing experience.
- Effortless Product Discovery:**
  - Users can easily search for products based on categories, keywords, and other filters like price range, rating, and availability.
  - Feature Implementation:** A search and filtering system is implemented using MongoDB's aggregation framework and indexes, optimizing query performance for quick product discovery.
- Personalized Recommendations:**
  - ShopEZ provides personalized product recommendations based on users' past searches and preferences.

- **Feature Implementation:** A recommendation algorithm is applied that leverages user behavior data and product popularity trends to suggest items that may interest the user.
4. **Secure and Seamless Checkout Process:**
- The checkout process in ShopEZ is designed to be secure and efficient, guiding users through order confirmation, shipping, and payment details in just a few clicks.
  - **Feature Implementation:** The backend handles payment processing using secure payment gateway integration, with SSL encryption to safeguard user data.
5. **Order Management for Sellers:**
- Sellers have access to a dedicated dashboard where they can track orders, update stock, and view performance analytics.
  - **Feature Implementation:** A separate set of APIs and database permissions are implemented to provide sellers with tailored access, allowing them to manage their inventory and view sales insights.
6. **Insightful Analytics for Business Growth:**
- Sellers can access various analytical reports to monitor trends, customer engagement, and sales metrics.
  - **Feature Implementation:** MongoDB's aggregation pipeline generates reports on sales data, which is presented on the frontend using data visualization libraries for readability.

### **Additional Functionalities:**

1. **User Registration and Authentication:**
  - **Functionality:** Users register and log in to access their personalized profiles, orders, and cart.
  - **Implementation:** Authentication is managed via JSON Web Tokens (JWT) for secure, sessionless authentication across the application.
2. **Admin Dashboard:**
  - **Functionality:** Admins can oversee user accounts, products, orders, and platform statistics, ensuring smooth platform operation.
  - **Implementation:** Admin functionalities are separated from the user and seller functionalities, with access restricted through role-based permissions.
3. **Notifications and Order Updates:**
  - **Functionality:** Users receive notifications for order status updates, such as order confirmed, shipped, and delivered.
  - **Implementation:** Real-time notifications are powered by WebSocket or Firebase for immediate updates, enhancing the user experience.
4. **Product Reviews and Ratings:**
  - **Functionality:** Users can leave reviews and rate products they've purchased, adding social proof and enhancing the shopping experience for others.
  - **Implementation:** The reviews are stored in the database with references to the product and user IDs, and they are displayed on the product detail page.
5. **Customer Support and Chat:**

- **Functionality:** Users can reach out to customer support for inquiries, with a live chat option available during business hours.
- **Implementation:** The live chat is enabled through a third-party API, facilitating customer interactions directly from the ShopEZ platform.

This page provides a summary of the core and additional features of ShopEZ, outlining the functionality and backend implementation of each feature. Let me know if you need further details on any specific functionality!

## **Overview of System Architecture:**

The architecture of ShopEZ is designed to be scalable, maintainable, and secure, employing a three-tier architecture divided into the following layers:

### **1. Presentation Layer (Frontend):**

- The user interface, developed in **React.js**, allows customers, sellers, and administrators to interact with the platform seamlessly.
- UI components are designed for optimal performance and ease of use, with reusable elements to maintain consistency.
- Client-side state management is handled using **Redux**, ensuring smooth navigation between different sections.

### **2. Application Layer (Backend):**

- The core application logic resides here, implemented in **Node.js** with **Express.js** as the web framework.
- This layer handles all API requests from the frontend, managing operations such as authentication, payment processing, product management, and order tracking.
- **RESTful APIs** are structured for each function, ensuring standardized communication between the frontend and backend.
- Security measures, including **JWT for user sessions** and role-based access control, safeguard user data and system resources.

### **3. Data Layer (Database):**

- **MongoDB** serves as the primary database, storing product, user, order, and transaction data.
- The database schema is designed to support high-volume reads and writes, with collections for products, users, orders, and reviews.
- **Mongoose** is used for schema validation and as an ORM (Object-Relational Mapping) to simplify database interactions.
- An additional cache layer (e.g., **Redis**) could be employed to improve response times for frequently accessed data.

## **Technical Design Details:**

### **1. Database Schema Design:**

- **User Collection:** Stores user profile data, including name, email, address, and role (e.g., buyer, seller, admin).

- **Product Collection:** Contains details such as product name, category, price, stock, and seller ID.
  - **Order Collection:** Includes order items, user ID, status, and timestamps for tracking orders from creation to delivery.
  - **Review Collection:** Maintains user-submitted reviews and ratings for each product, improving social validation.
2. **API Endpoint Design:**
- **User Authentication:** Endpoints handle login, registration, and user management.
  - **Product Management:** CRUD (Create, Read, Update, Delete) endpoints for products, allowing sellers and admins to manage listings.
  - **Order Processing:** Endpoints manage order creation, payment verification, and status updates.
  - **Review and Rating:** Endpoints allow users to add, update, and delete reviews.
3. **Data Flow:**
- **User Interactions:** Users interact with the frontend, which communicates via HTTP requests to the backend API.
  - **Backend Processing:** The backend validates requests, processes data, and performs CRUD operations on MongoDB.
  - **Database Interactions:** Data is retrieved or updated in MongoDB through Mongoose, and results are sent back to the frontend for user display.
4. **Security Measures:**
- **JWT Authentication:** Ensures secure access for authenticated users, minimizing unauthorized data exposure.
  - **Role-Based Access Control:** Restricts actions based on user roles (buyer, seller, admin) to prevent data leaks.
  - **Data Validation and Sanitization:** Input data is validated and sanitized to prevent SQL injection and other security threats.
5. **Scalability and Performance:**
- **Load Balancing:** To handle a high number of concurrent users, a load balancer distributes requests across multiple backend instances.
  - **Caching with Redis:** Frequently accessed data is cached in Redis to reduce database load and improve response times.
  - **Horizontal Scaling:** Microservices or containerization with Docker enables horizontal scaling for managing traffic spikes.

## Prerequisites:

Before setting up the project, ensure you have the following installed on your local machine:

- **Node.js:** JavaScript runtime environment for building scalable network applications.
- **MongoDB:** NoSQL database to store and manage data.
- **Express.js:** Web framework for Node.js to handle HTTP requests and routing.
- **React.js:** JavaScript library for building user interfaces, particularly single-page applications.
- **Git:** Version control system to manage the codebase and track changes.

## **Installation Steps:**

### **1. Install Node.js and npm:**

- Download and install Node.js from [nodejs.org](https://nodejs.org).
- This will also install npm (Node Package Manager) for managing project dependencies.

### **2. Install MongoDB and Set Up the Database:**

- Download and install MongoDB from [mongodb.com](https://mongodb.com).
- Follow the setup instructions to get MongoDB running locally or use MongoDB Atlas for a cloud-based solution.
- Create a database (e.g., ecommerceDB) and a collection (e.g., products) to store product information.

### **3. Clone the Repository:**

- Open your terminal/command prompt and run the following command to clone the project repository:

```
bash
Copy code
git clone https://github.com/your-repository/ecommerce-platform.git
```

- Navigate to the project folder:

```
bash
Copy code
cd ecommerce-platform
```

### **4. Install Dependencies:**

- Run the following command to install all required dependencies for the project:

```
bash
Copy code
npm install
```

### **5. Run the Development Server:**

- Start the development server with the following command:

```
bash
Copy code
npm run dev
```

### **6. Access the App:**

- Once the server is running, open your web browser and navigate to <http://localhost:3000> to access the e-commerce platform.

## **Challenges Faced:**

- 1. Managing State Across Multiple Components:**
  - As the application grew in complexity, managing the state of various components (like shopping cart, user authentication, and product details) became challenging.
- 2. Integrating Backend and Frontend Seamlessly:**
  - Ensuring smooth communication between the backend API (Node.js + Express) and the frontend (React.js) was a key challenge, especially when dealing with asynchronous requests.
- 3. Implementing Personalized Recommendations:**
  - Delivering personalized recommendations based on users' preferences and browsing history proved to be a complex task.

## **Solutions Implemented:**

- 1. React State Management Libraries:**
  - To manage the state across components effectively, we integrated **Redux** for global state management. This allowed us to store application data (such as user authentication status, cart items, etc.) in a centralized store and update it consistently across components.
- 2. REST APIs for Seamless Communication:**
  - Developed RESTful APIs using **Express.js** to handle CRUD operations for products, users, and orders. **Axios** was used to make HTTP requests from the React frontend to the Express backend. This ensured smooth data flow between the client and server.
- 3. Recommendation Algorithm:**
  - Implemented a basic recommendation algorithm that suggests products based on users' previous purchase history and browsing behavior. This was achieved by querying the database for products that were similar to those previously viewed or purchased, providing a more personalized experience for users.

## **Future Scope:**

- 1. Advanced Analytics for Sellers:**
  - The platform could be expanded to include detailed analytics for sellers, providing insights into sales performance, customer behavior, and inventory management.
- 2. AI-based Recommendation Engine:**
  - To further improve the personalization aspect, an AI-based recommendation engine could be implemented, utilizing machine learning algorithms to suggest products based on complex user behaviors, preferences, and purchasing patterns.
- 3. Additional Payment Gateways and Loyalty Programs:**
  - To increase customer engagement and retention, the platform could integrate additional payment gateways (e.g., PayPal, Stripe, cryptocurrency) and implement loyalty programs or discount systems to reward repeat customers.

**4. Mobile Application:**

- The next step could be developing a mobile application for Android and iOS using **React Native** or **Flutter** to increase accessibility and improve the user experience on mobile devices.

**5. Internationalization and Multi-Language Support:**

- The platform could be expanded to support multiple languages and currencies, making it more suitable for international markets.

**Conclusion:**

This e-commerce platform project successfully delivers a user-friendly, responsive, and feature-rich solution for online shopping. By implementing core features such as product listings, user authentication, and a shopping cart, the project provides a robust foundation for both buyers and sellers. The integration of the frontend and backend, along with the implementation of a recommendation system, enhances the overall shopping experience, making it more personalized and engaging.

# ADMIN LOGIN

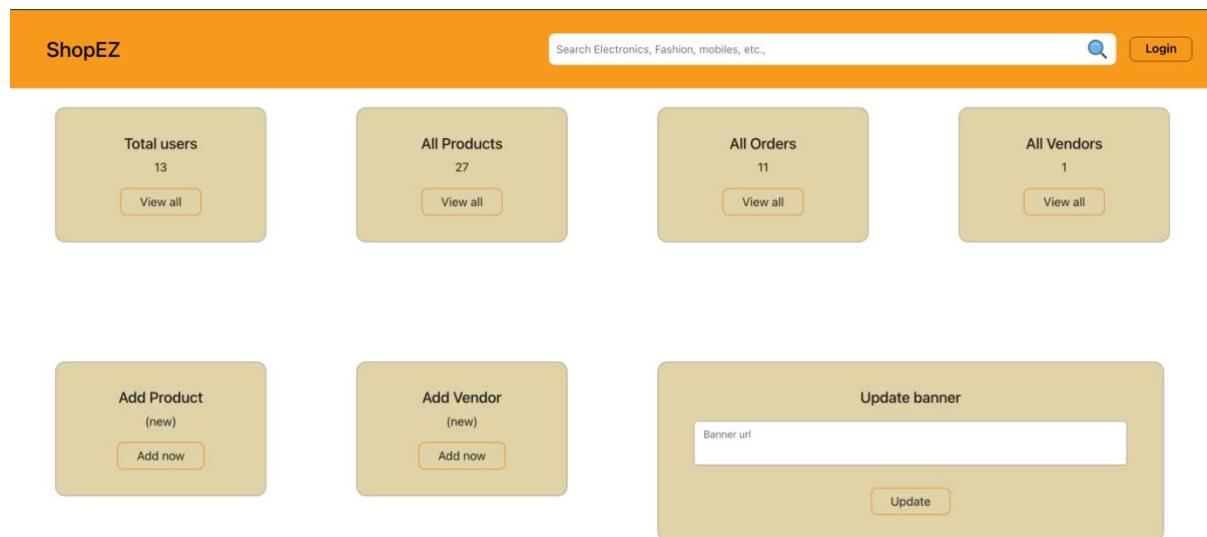


Figure : 01 - ShopEZ Homepage

The screenshot shows the "All Users" section of the ShopEZ admin interface. It features a table with five rows of user data:

User Id	User Name	Email Address	Orders
673195d47fea66cc56ee25cb	Akhilesh	akhil@gmail.com	10
673195f67fea66cc56ee25dc	Sethu Vignesh	seth@gmail.com	0
6731969248e3964fe2358c13	Anya_Patel	anya_patel88@gmail.com	0
6731969248e3964fe2358c15	Priya_Menon	priyamenon98@yahoo.com	0
6731969248e3964fe2358c17	Sneha_Rao	sneha_rao@outlook.com	0

A blue curved arrow points from the text "The admin can view all the users details and orders" to the table.

Figure : 02 - ShopEZ All Users

**ShopEZ**

Search Electronics, Fashion, mobiles, etc.,  **Login**

The user can sort the products by price and discounts

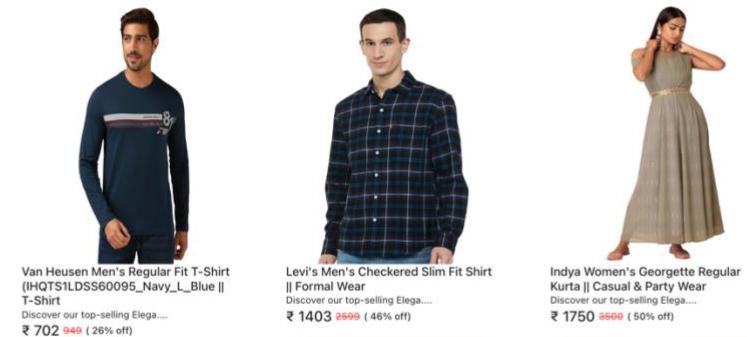
**All Products**

**Filters**

Sort By  
 Popularity  
 Price (low to high)  
 Price (high to low)  
 Discount

Categories  
 Fashion  
**Gender**  
 Men  
 Women  
 Unisex

**Filters based on categories and gender**



Van Heusen Men's Regular Fit T-Shirt (IHQTS1LDSG60095\_Navy\_L\_Blue) T-Shirt  
Discover our top-selling Elega...  
₹ 702 ~~949~~ ( 26% off)

Levi's Men's Checkered Slim Fit Shirt || Formal Wear  
Discover our top-selling Elega...  
₹ 1403 ~~2999~~ ( 46% off)

Indya Women's Georgette Regular Kurti || Casual & Party Wear  
Discover our top-selling Elega...  
₹ 1750 ~~3500~~ ( 50% off)

**Update** **Update** **Update**



Figure : 03 - ShopEZ All Products Page

**ShopEZ**

Search Electronics, Fashion, mobiles, etc.,  **Login**

**Orders**



Size: Quantity: Price: ₹ NaN Payment method: card  
Userid: 673195d47fea66cc56ee25cb Name: Akhilesh Ram K S Email: akhileshram710@gmail.com Mobile: 9876543210  
Ordered on: 2024-11-11 Address: Chennai Pincode: 600004  
Order status: order placed **Update order status** **Update** **Cancel**



INDO ERA Women's Off White Liva Embroidered Straight Kurti & Pant with Dupatta Set || Casual & Party Wear  
Discover our top-selling Elegant Floral Summer Dress, part of the premium collection exclusively crafted by VeBNOR. Perfect for both casual outings and party events, this dress features vibrant floral patterns and a comfortable fit. Skilled stitching ensures a flawless finish, giving you a chic and timeless look. Ideal for multiple occasions such as weddings, office parties, or casual gatherings.  
Size: Quantity: Price: ₹ NaN Payment method: card  
Userid: 673195d47fea66cc56ee25cb Name: Akhilesh Ram K S Email: akhileshram710@gmail.com Mobile: 9876543210  
Ordered on: 2024-11-11 Address: Chennai Pincode: 600004  
Order status: order placed **✓ Update order status** **Update** **Cancel**

The admin can edit status, update and cancel the order

Figure : 04 - ShopEZ All Orders

**ShopEZ**

Search Electronics, Fashion, mobiles, etc.,

### New Product

Product name: Globus Women Floral Print Halter Neck F

Product Description: Discover our top-selling Elegant Floral Summer Dres

Thumbnail Img url: [https://m.media-amazon.com/images/I/71pCeEUC+4L.\\_SX679\\_.jpg](https://m.media-amazon.com/images/I/71pCeEUC+4L._SX679_.jpg)

Add on img1 url: <https://m.media-amazon.com>

Add on img2 url: <https://m.media-amazon.com>

Add on img3 url: <https://m.media-amazon.com>

Available Size:  S  M  L  XL

Gender:  Men  Women  Unisex

Category: Fashion

Price: 2999

Discount (in %): 54

**New Products can be added and updated here**

Figure : 05 - ShopEZ Adding New Products

**ShopEZ**

Search Electronics, Fashion, mobiles, etc.,

### Update Product

Product name: Levi's Men's Regular Fit T-Shirt || T-Shirt

Product Description: Discover our top-selling Elegant Floral Summer Dres

Thumbnail Img url: [https://m.media-amazon.com/images/I/61Ngw4J2XdL.\\_SX679\\_.jpg](https://m.media-amazon.com/images/I/61Ngw4J2XdL._SX679_.jpg)

Add on img1 url: <https://m.media-amazon.com>

Add on img2 url: <https://m.media-amazon.com>

Add on img3 url: <https://m.media-amazon.com>

Available Size:  S  M  L  XL

Gender:  Men  Women  Unisex

Category: Fashion

Price: 1699

Discount (in %): 41

**Product details can be updated by the admin**

Figure : 06 - ShopEZ Updating Products

ShopEZ

Search Electronics, Fashion, mobiles, etc.,

Login

Add Vendor

Vendor Name  
Vivo

Email  
vivo@mobile.gmail.com

Phone  
0987654321

Rating (0-5)  
4.5

New vendors can be added here by the admin

Add Vendor

Figure : 07 - ShopEZ Adding New Vendors

ShopEZ

Search Electronics, Fashion, mobiles, etc.,

Login

Vendor Management

**Sam**  
Contact Email: sam@gmail.com  
Contact Phone: 0987654321  
Rating: 3.5  
Update Delete

**MS**  
Contact Email: ms@fashion.com  
Contact Phone: 1234567890  
Rating: 4  
Update Delete

Figure : 08 - ShopEZ All Vendors

## CUSTOMER LOGIN

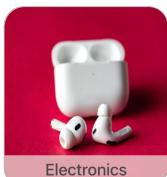
ShopEZ

Search Electronics, Fashion, mobiles, etc.,

Akhilesh 2



Fashion



Electronics



Mobiles



Groceries



Sports Equipments

ShopEZ

Search Electronics, Fashion, mobiles, etc.,

Akhilesh 2

**Filters**

Sort By

Popular

Price (low to high)

Price (high to low)

Discount

Sort Based On Price and Discount

Categories

Fashion

Electronics

Gender

Men

Women

Unisex

Filter based on Gender,Categories

**All Products**

Leriya Fashion Textured Shirts for Men || Casual Shirt for Men  
This shirt for men is one of t....  
₹ 399 999 ( 60% off)

Don Vino Men's Checkered Slim Fit Button Down Shirt  
Upgrade your wardrobe with our....  
₹ 499 999 ( 75% off)

Uiruy Men's Rayon Digital Print Casual Shirt  
Stylish Half sleeve casual Pri....  
₹ 499 999 ( 50% off)



## GRECIILOOKS Trouser Pant for Men | Track Pant for Men Loose Fit | Sports Track Pant for Men | Track Pant Men | Men Stylish Track Pant

Discover the epitome of style and comfort with our Men's Baggy Trouser Track Pant, a versatile wardrobe essential. Crafted from premium, breathable fabric, these pants offer a relaxed fit with an elastic waistband and adjustable drawstring, ensuring a personalized and secure feel for every body shape. What sets these track pants apart are the two functional slant pockets, seamlessly blending convenience with style for those on the move. Whether you're hitting the gym or opting for a laid-back evening, the baggy silhouette adds a street-style edge while enhancing ventilation. Durable and reliable, these trousers are designed to withstand daily adventures. Elevate your active and casual wear with this must-have addition, combining fashion and functionality effortlessly. Don't miss out – order now for an unparalleled experience of comfort, convenience, and contemporary style in one perfect package!

Choose size

Quantity

Price: ₹ 899 ~~₹499~~ (40% off)

Rating: 3.4/5

Free delivery in 5 days

[Buy now](#)

[Add to cart](#)

[Add to wishlist](#)



### Checkout

#### Details

Name  
Akhilesh

Mobile  
9876543210

Email  
akhileshram@gmail.com

Address  
Chennai

Pincode  
600004

#### Payment method

Choose Payment method  
card payments

[Cancel](#)

[Buy now](#)

Free delivery in 5 days

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## Orders

## Order Details

Username: Akhilesh  
 Email: akhil@gmail.com  
 Orders: 10

[Logout](#)

## GRECILOOKS Trouser Pant for Men | Track Pant for Men Loose Fit | Sports Track Pant for Men | Track Pant Men | Men Stylish Track Pant

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Size: Quantity: 1 Price: ₹ 899 Payment method: card

Address: Chennai Pincode: 600004 Ordered on: 2024-11-11

Order status: order placed

[Cancel](#)

## SENNHEISER Professional Audio Hd 25 Plus Wired On Ear Headphones (Black)

Split headband and padded earcups provide incredible comfort. Closed-back design yields effective ambient noise isolation; Excellent SPL handling (up to 120dB) for working in loud environments. Flip-away earcup for one-ear listening. Wide frequency response (16Hz-22kHz)

## Filters

## Sort By

- Popular
- Price (low to high)
- Price (high to low)
- Discount

## Categories

- Fashion
- Electronics

## Gender

- Men
- Women
- Unisex

## Wishlist



## Tommy Hilfiger Women Knee-Length

## Casual Dress || Party Wear

Discover our top-selling Elega...

₹ 3599 ~~5999~~ (40% off)

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