

## ShopEZ: One-Stop Shop for Online Purchases

ShopEZ is your one-stop destination for effortless online shopping. With a user-friendly interface and a con

The ShopEZ ER-diagram represents the entities and relationships involved in an e-commerce system. It ill

### Entities:

- USER: Represents individuals or entities registered in the platform.
- Admin: Includes banner images and categories.
- Products: All products available in the platform.
- Cart: Stores products added by users. Differentiated by user ID.
- Orders: Stores all orders made by users.

### Features:

1. Comprehensive Product Catalog
2. Shop Now Button
3. Order Details Page
4. Secure and Efficient Checkout Process
5. Order Confirmation and Details
6. Robust Seller Dashboard

### Scenario: Sarah's Birthday Gift

1. Effortless Product Discovery
2. Personalized Recommendations
3. Seamless Checkout Process
4. Order Confirmation

5. Efficient Order Management for Sellers

6. Celebrating with Confidence

Technical Architecture:

- Frontend: User interface including User Authentication, Cart, Products, Profile, Admin Dashboard.
- Backend: API endpoints for Users, Orders, Products, Admin Authentication.
- Database: Stores collections for Users, Cart, Orders, Products.

Pre-requisites:

- Node.js and npm
- MongoDB (Compass/Atlas)
- Express.js
- React.js
- HTML, CSS, JavaScript
- Database Connectivity (Mongoose)
- Git and GitHub
- Development Environment (VS Code, Sublime, WebStorm)

Database Development:

- User Schema
- Product Schema
- Orders Schema
- Cart Schema
- Admin Schema

Frontend Development:

- React App Setup

- UI Design
- Frontend Logic & API Integration

#### Backend Development:

- Express Server Setup
- API Routes for Users, Products, Orders
- Mongoose Models and Schemas
- Authentication and Authorization
- Order and Product Handling

#### Project Implementation:

- Authentication (Login, Register, Logout)
- Product Listing and Filtering
- Cart and Order Operations
- Admin Product Management

#### Demo UI Screens:

- Landing Page
- Product Page
- Login/Register Page
- Cart Page
- Admin Dashboard
- Order Management