ShopSmart Document

ShopSmart: Your Digital Grocery Store Experience

Our basic grocery-web app is designed to provide a seamless online shopping experience for customers, making it convenient for them to explore and purchase a wide range of products. Whether you are a tech enthusiast, a fashionista, or a homemaker looking for everyday essentials, our app has something for everyone.

With user-friendly navigation and intuitive design, our app allows customers to browse through various categories, view product details, add items to their cart, and securely complete the checkout process. We prioritize user satisfaction and aim to provide a smooth and hassle-free shopping experience.

For sellers and administrators, our app offers robust backend functionalities. Sellers can easily manage their product listings, inventory, and orders, while administrators can efficiently handle customer inquiries, process payments, and monitor overall app performance.

With a focus on security and privacy, our app ensures that customer data is protected, transactions are secure, and personal information remains confidential. We strive to build trust with our customers and provide a safe platform for online shopping.

Architecture

The technical architecture involves a client-server model with a frontend handling UI and backend managing data, logic, and third-party integrations.

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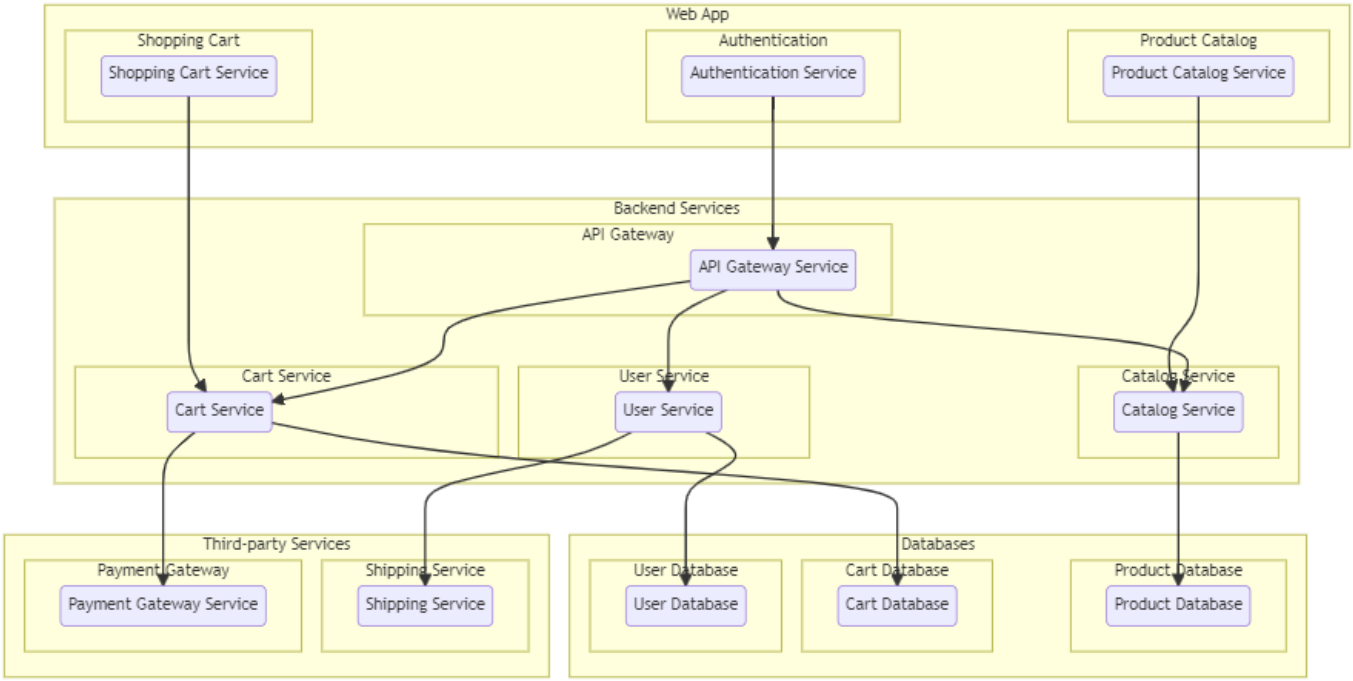

ER Diagram

This ER diagram represents the relationships between different entities such as User, Product, Order, Review, Admin, etc., showing how data flows in the application.

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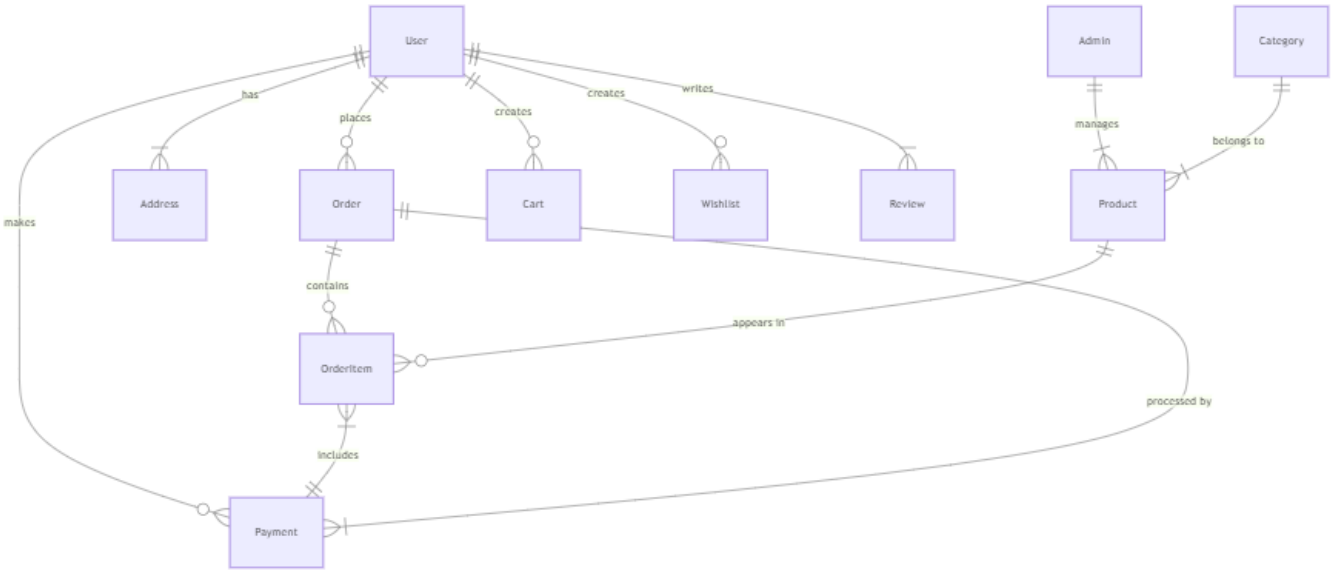

User & Admin Flow

The flow diagrams depict the user journey from product browsing to order placement, and the admin processes for managing inventory and customers.

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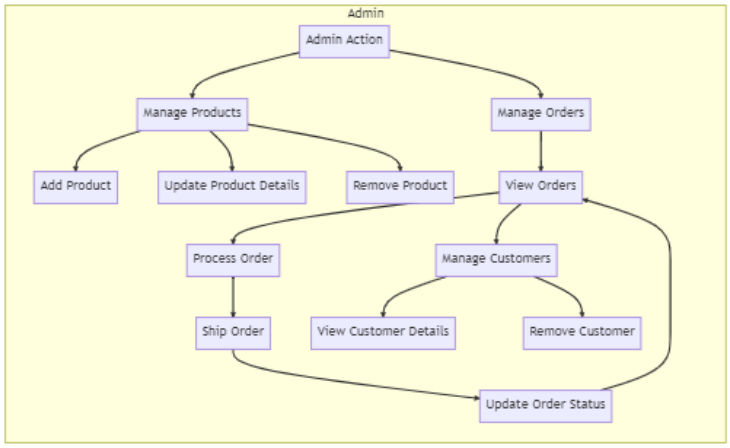

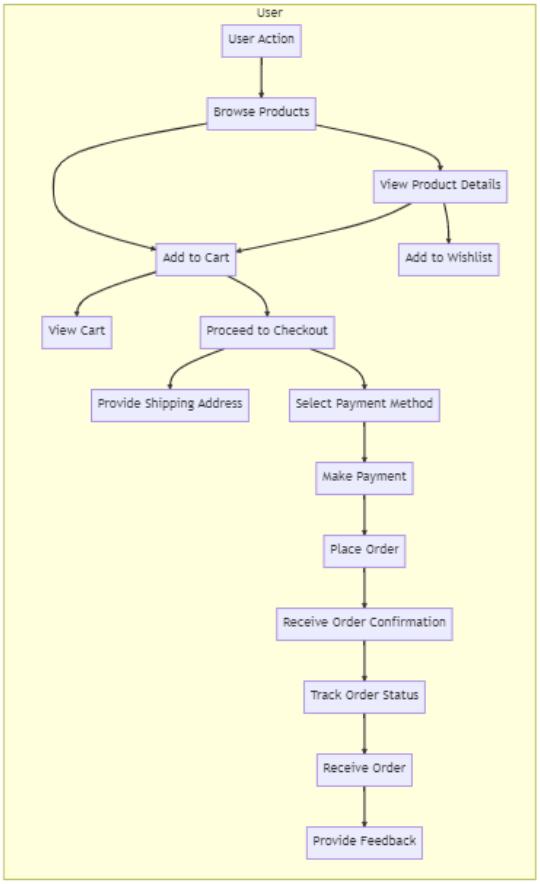

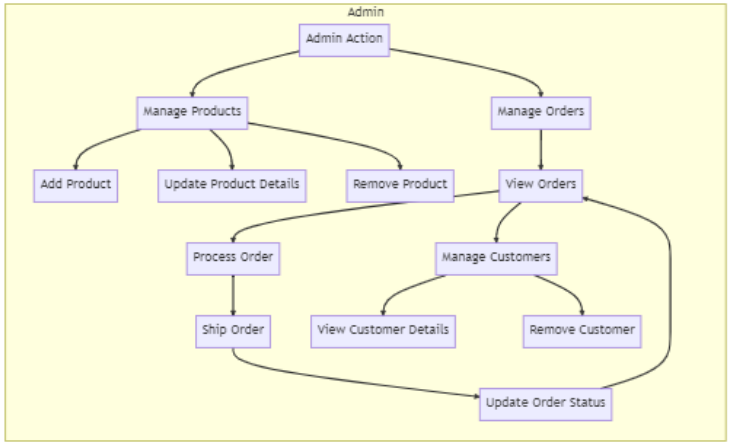

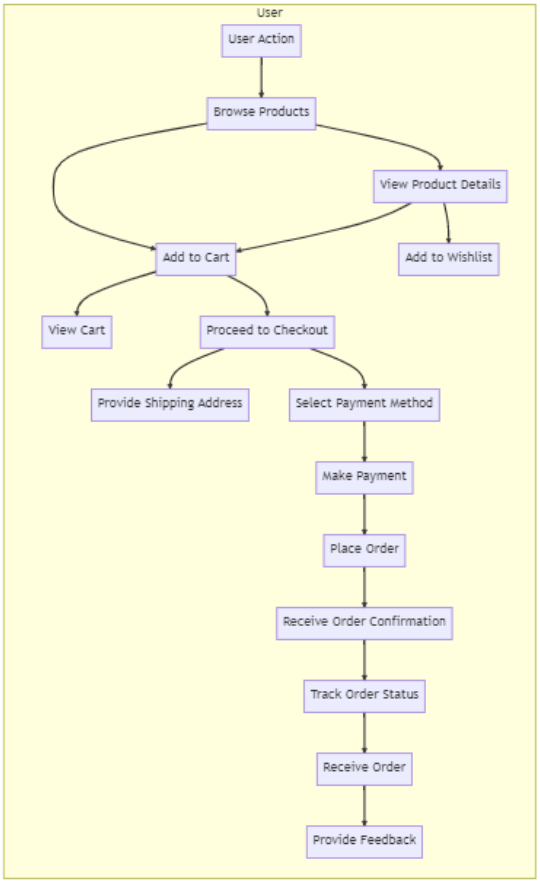

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Project Structure

The structure is based on the cloned repository. It includes separate directories for client (Angular), server (Node.js), and documentations.

Pre-requisites

To develop a full-stack Grocery web app using Angular, Node.js, and MongoDB, the following tools are required:

- Node.js and npm: https://nodejs.org/en/download/
- MongoDB: https://www.mongodb.com/try/download/community
- Express.js: npm install express
- Angular CLI: npm install -g @angular/cli
- HTML, CSS, JavaScript basics
- Mongoose for MongoDB connectivity
- Git for version control: https://git-scm.com/downloads
- Visual Studio Code: https://code.visualstudio.com/download

For database connection with Node.js: https://www.section.io/engineering-education/nodejs-mongoosejs-mongodb/