**Ecommerce Technical Document**

The E-Commerce Project is a web-based application designed to facilitate online buying of products. It aims to provide a seamless shopping experience with features like product browsing, cart management, secure checkout with administration control.

**Modules**

* User Management
* Product Management
* Cart Management
* Order Management

**System Architecture**

* RDBMS: MySQL for Data management
* Backend: RESTful APIs built with Express.js to handle business logic.
* Frontend: Single Page Application using React for dynamic UI rendering

**Technology stack**

* Database: MySQL
* Backend: Node.js, Express.js, Sequilize, GraphQL
* Authentication: JWT
* Frontend: React, JSX, Bootstrap5
* VCS: Git & Github
* Deployment:

**Database Design**

**API Endpoints**

**Deployment Strategy**

* CI/CD pipeline using Jenkins
* AWS cloud services

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