a word document containing the following details:

1. project overview

2. technology stack

3. modules and it's details

4. overall functionality of your application

Project Overview

* A basic ecommerce website in which a customer can order products and vendor can host their products on the site.
* Customers can add & remove products to cart, place orders, give reviews, ratings.
* Admin can add new Products and from which Vendor is providing it.

Technology Stack

FRONT END • HTML • CSS • JavaScript • Bootstrap • React • Axios

BACK END • Spring Boot • Spring Data JPA • Hibernate • REST • JWT Based Security DATABASE MANAGEMENT SYSTEM • MySQL

DevOps : Docker Git

Modules and it’s details

a. \*\*User Authentication and Authorization Module:\*\*

- Responsible for user registration, login, and access control.

- Handles user profiles and security-related functions.

b. \*\*Dashboard Module:\*\*

- Displays personalized content based on user roles and preferences.

- Includes widgets for quick access to key features.

c. \*\*Product Catalog Module:\*\*

- Manages the product inventory, categories, and details.

- Allows users to browse and search for products.

d. \*\*Shopping Cart and Checkout Module:\*\*

- Handles shopping cart functionality.

- Enables users to add, edit, and remove items from the cart and complete the checkout process.

e. \*\*Payment Gateway Integration Module:\*\*

- Integrates with payment gateways to process transactions securely.

f. \*\*Order Management Module:\*\*

- Manages customer orders, order history, and status updates.

h. \*\*Search and Filtering Module:\*\*

- Implements search functionality and advanced filtering options.

k. \*\*Settings and Configuration Module:\*\*

- Allows administrators to configure site settings, preferences, and customization options.

**4. overall functionality of your application**

**FUNCTIONAL REQUIREMENTS**

Following are the functional requirements fulfilled by our project:

• Customers can browse through all available products .

• Customers can place orders for products and view their order history.

• Admins can manage various product details like inventory, price, adding new

products and customers, etc.

• Admins can delete customers if the need arises.

**NON-FUNCTIONAL REQUIREMENTS**

Following are the non-functional requirements fulfilled by our project:

• Since the application uses lightweight and established software components that

are also cross-platform, it is remarkably performant and has good support for

every operating system.

• The use of React for front end and Spring Boot, Spring Data JPA and Hibernate

for back end delivers quick response times to admins and customers alike.

• Card-style UI and well-known icons and symbols used throughout the

application provides a consistent theme and user-friendly interface that anyone

can grasp easily, even without a technical background