



American International University- Bangladesh

CSC 4261: Advanced Programming in Web Technology

CO1 Evaluation Project Report SPRING 23-24

Project Title: E-Commerce site

Project Domain: -----

Group Number: 10

Section: C

Student Name	Student Id
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E-Commerce site

Project Description:

Welcome to our vibrant online store, where you can buy with ease and flair! Our state-of-the-art online store provides an excellent shopping experience by putting together a carefully curated collection of goods to satisfy all of your needs. Browse through a range of categories, including clothing, gadgets, home furnishings, and more. Our internet store guarantees an easy and joyful shopping experience with its user-friendly interface, secure transactions, and responsive design. Get information about sales, new releases, and helpful tips. Our primary objective is to satisfy our customers, as evidenced by our dependable delivery strategies, first-rate customer support, and exceptional customer service. Using us as your main source for quality, convenience, and the newest trends in retail therapy will make your online shopping experience more enjoyable.

Goal of This Project

The goal of this project is to develop an intuitive e-commerce platform that will transform online buying. Our goal is to improve and simplify online purchasing so that customers around the nation may enjoy it and find it convenient. We accomplish this by emphasizing enhancing the client experience, accelerating transactions, and providing a wide range of products.

Problem Analysis

A less than ideal buying experience is produced by the numerous problems with today's e-commerce platforms, including convoluted user interfaces, clumsy navigation, and thin product selection. To alleviate client annoyance and improve overall happiness, a smooth and varied online purchasing solution is important.

Significance: Resolving these problems is critical to building customer loyalty, boosting sales, and encouraging user involvement. Customers' entire online buying experience can be greatly enhanced with an intuitive, feature-rich e-commerce website, which will make it more efficient and pleasurable.

Existing Solutions:

Amazon (www.amazon.com): Description: Amazon, one of the biggest and most varied online retailers in the world, has a huge selection of goods. However, some users may find its interface overwhelming, and there are so many alternatives available that they may become fatigued with making decisions.

Etsy (www.etsy.com): Description: Etsy offers handmade and unique products as its specialty, giving producers access to a niche market. The simplicity of product discovery might be improved by making its search and filtering options more user-friendly.

Walmart (www.walmart.com): Description: Walmart's online store provides a large selection of goods at affordable costs. However, the site's design might be more contemporary and user-friendly, and the user experience might be less customized.



E-Commerce site

The idea for an e-commerce project seeks to create a platform that combines efficiency, diversity, and user-friendliness for the greatest possible purchasing experience by combining the best aspects of current platforms with the solutions to their problems.

Project Folder Structure:

```
ecommerce-site/  
|-- backend/  
|   |-- server.js  
|   |-- routes/  
|   |-- controllers/  
|   |-- models/  
|   |-- middleware/  
|-- frontend/  
|   |-- public/  
|   |   |-- index.html  
|   |   |-- images/  
|   |-- src/  
|   |   |-- components/  
|   |   |-- styles/  
|   |   |-- pages/  
|   |   |-- services/  
|   |   |-- App.js  
|   |   |-- index.js  
|   |   |-- ...  
|-- database/  
|   |-- schema.sql  
|-- config/  
|   |-- config.js  
|-- node_modules/  
|-- package.json  
|-- README.md
```

Frontend Description: Our frontend is built using React, a powerful JavaScript library for building user interfaces. The project is structured with reusable components, ensuring a modular and maintainable codebase. The src folder contains components, styles, pages, and services directories. Components represent individual UI elements, pages define the layout of different sections, styles manage the styling, and services handle API communication.

Git Link:

[https://github.com/tanjil98/Advanced-Web-Tech-Full-Stack-Nest-Next
main/tree/main/Project%20File/frontend](https://github.com/tanjil98/Advanced-Web-Tech-Full-Stack-Nest-Next/tree/main/Project%20File/frontend)



E-Commerce site

CO2 Evaluation: Project & Viva Evaluation				
Promptness (5)	Concept Understanding (5)	Justification (5)	Teamwork (5)	Total (15)

