

## **Project Design for WebTech E-commerce Platform**

**Josiah Balas, Joshua Pearson, Kabir Suri**

### **Layout Template of the Webpage:**

- Homepage showcasing featured products, deals, and news.
- Product pages with a consistent template: images, descriptions, reviews, and add-to-cart options.
- A build suggestion page, displaying various build options and their purposes (gaming, workstations, etc.).
- About page explaining the mission and services.
- Contact page for customer support.

### **User Navigation Structures:**

- Top navigation bar with categories and search.
- Footer with links to about us, support, and social media.
- Breadcrumbs on product pages for easy backtracking.
- User account pages for order tracking, wish lists, and profile management.

### **Descriptions of Each Web Page:**

- Homepage: Introduces the platform with quick search, categories, and current deals.
- Product Page: Detailed view of each product with specs, price, and availability.
- Build Suggestions: Pre-configured PC builds for different budgets and uses.
- Cart & Checkout: Summary of items, price, and checkout process.
- User Profile: User's order history, wish lists, and personal data settings.

### **Data Stored in Database Back-end:**

- Product inventory: Names, specifications, prices, stock levels.

- User accounts: Login credentials, order history, wish lists.
- Transaction records: Orders, payments, and statuses.
- Build suggestions: Pre-defined parts lists for different types of PCs.

#### **Team Organizations or Position Assignments:**

- ❖ Joshua Pearson: Team Leader, Functional Manager,
- ❖ Josiah Balas/Josh: Frontend Developer, responsible for implementing the UI/UX design.
- ❖ Kabir Suri/Josh: Back-end Developer, managing database and server-side logic.

#### **Your Own Expectations for the Project:**

- Successful implementation of all planned features.
- A user-friendly interface that encourages engagement and repeat customers.
- Scalable architecture that can handle increased traffic and product inventory.
- Timely completion of project milestones with quality assurance.

#### **Progress Tracking and Communication:**

- Use of GitHub for version control, issue tracking, and collaborative coding.
  - <https://github.com/Halting24/WebTech-Project>
- Weekly virtual meetings to discuss progress and roadblocks.
- A shared document (like Google Docs) for meeting notes and to-dos.
- A group chat for daily communication and quick updates.

#### **Code Storage and Sharing:**

- Source code will be stored on GitHub, utilizing branches for feature development.
- Database schemas and test data will also be stored in the repository.
- Documentation for setup and deployment will be maintained in the repository wiki.

**What is our Niche Group:**

- Computer Enthusiasts
- PC builders
- Gamers
- Content Creators and Professionals
- Educational Institutions
- Tech Consumers Seeking Repair Services

**Who are our Main Competitors:**

- Amazon
- Newegg
- BestBuy
- Micro Center