

Online Shopping Cart System

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1 Project Summery:

The online shopping cart system is designed to provide a user-friendly interface for customers to browse, select, and purchase products over the internet. This project aims to implement a robust shopping cart solution using C/C++ to leverage their performance capabilities and system-level control.

2 Objectives of Project:

2.0.1 User Management:

Develop functionalities for user profile updates(e.g., Name,Email,Contact no.).

2.0.2 Product Catalog:

Provide a dynamic list of products with details such as name and price,.

2.0.3 Shopping Cart:

Implement features to add and remove items from the cart.

2.0.4 Order Processing:

Create a checkout system that calculates total cost and confirmation to processes orders.

3 Required Skills and Technologies:

- Programming Language: Proficiency in C/C++ programming language.
- Development Environment: IDEs like Visual Studio or Code::Blocks.
- Libraries: Standard Template Library (STL).
- Problem solving and debugging: The ability to troubleshoot issues during development and testing phases is crucial to delivering a reliable system.

4 Project Budget:

The cost associated with this project is minimal,as the majority of the required resources are freely available.The estimated cost of the project is outlined below:

- Development Software: Free(Such as CodeBlocks::IDE,Mingw compiler)
- Data Storage and Backup: Up to 10 dollars per month for cloud storage if needed to backup the project files.

- Testing Equipment: None.
 - Printing/Documentation: 30 dollars for printed user guides and documentation if needed for final submission.
- Total estimated budget: 40 dollars.

5 Timeline:

- Week 1-2: Project planning, research and initial design of the project.
- Week 3-6: Development of the project.
- week 7-8: Testing and debugging the project for different scenarios.
- Week 9-10: Final documentation, user guide creation and project submission.

6 Conclusion:

The Online Shopping Cart System offers a practical solution for e-commerce, enhancing the online shopping experience for users. Future enhancements could include payment gateway integration (e.g., bKash, Nagad, Rocket) mobile app development and advanced security measures.