

Bangladesh University of Business and Technology
(BUBT)



Project Proposal

Project Name : Online Shopping Platform
Course Title : Software Engineering
Course Code : CSE 328

Submitted By:
Mushfiqur Rahman Pulok
ID: 21225103525

Submitted To:
Labiba Farah
Lecturer

Department of CSE
Bangladesh University of Business and Technology (BUBT)

Lab Experiment: 1

Lab Title: Preparation of Project Idea

Objective:

- To discuss the basic idea and motivation of our project.
- Develop a basic e-commerce website using Java, JSP, and MySQL.
- Implement secure user authentication and order verification via email.
- Enable product browsing, cart management, and purchasing for customers.
- Provide an admin panel for product and order management.

Team description:

<i>Serial no.</i>	<i>Name</i>	<i>ID</i>	<i>Role</i>
1	Md. Mehedi Hasan	21225103334	Team Leader
2	Mushfiqur Rahman Pulok	21225103525	
3	Abdullah Al Hill Baki	21225103341	
4	Mehedi Hasan Pranto	21225103357	
5	Mahmuda Adeeba Tul Husna	21225103333	

Project Title: Online Shopping Platform

Project Idea:

a) Introduction:

The project aims to build a fully functional e-commerce website that allows customers to browse and purchase products online. Built using Java, JSP, Servlets, and MySQL, the system will offer secure customer registration, product management, and order processing.

b) Motivation:

With the increasing shift towards online shopping, this project aims to simulate a real-world e-commerce platform, providing students hands-on experience with web development, database management, and backend functionality.

c) Advantages:

- Convenient shopping experience for users.

- Streamlined product management for admins.
- Secure transactions and email confirmation system.
- Real-world skills in full-stack development.

d) *Disadvantages:*

- May require regular updates and maintenance.
- Dependence on an internet connection for customers.

e) *Who will use this software?*

- Customers who want to purchase products online.
- Administrators who manage product listings, order fulfillment, and stock details.

Requirements:

• ***Hardware:***

- Processor: Intel i5 or higher.
- RAM: 8GB or higher.
- Storage: 500GB or higher.

• ***Software:***

- Frontend: HTML, CSS, JavaScript, Bootstrap.
- Backend: Java [JDK 8+], JDBC, Servlet, JSP.
- Database: MySQL.
- Server: Apache Tomcat.
- IDE: Eclipse/NetBeans or IntelliJ IDEA.
- Email service for order verification.

Work Breakdown Structure (WBS):



Timeline:

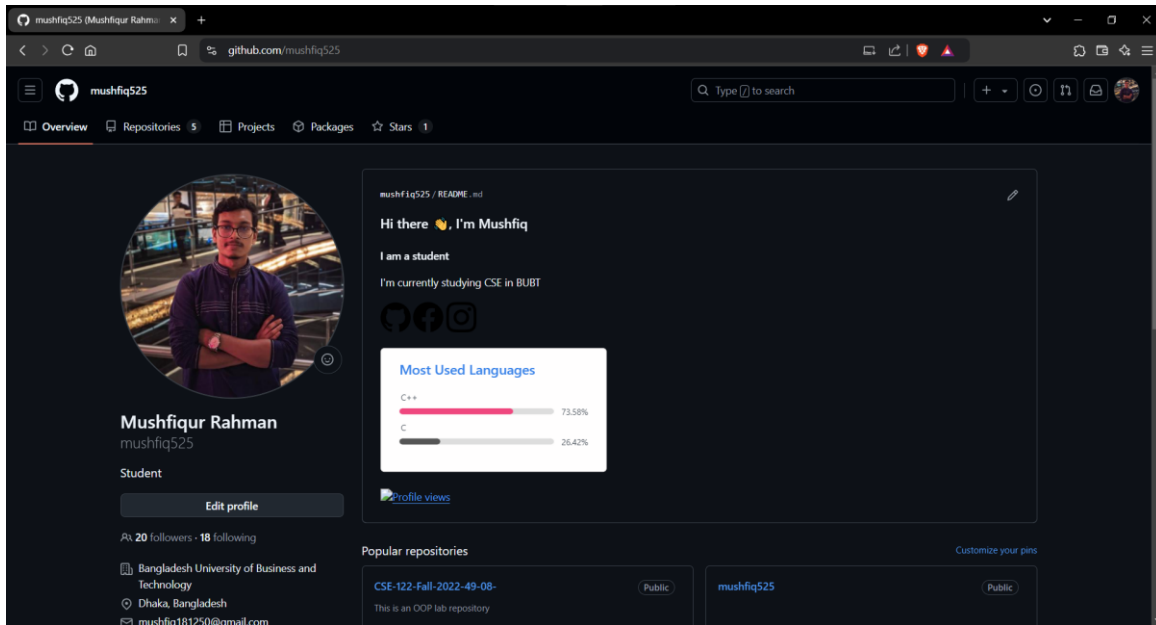
[illegible]

My Role:

Database administrator & system analyst.

GitHub account:

<https://github.com/mushfiq525>



Discussion:

This e-commerce platform will provide a smooth user experience where customers can register, browse products, add items to their cart, and make secure purchases. The email verification system ensures authenticity, and admins can efficiently manage products and monitor order statuses. The project will help students explore the intricacies of web application development and the integration of various technologies.