**PROJECT PROPOSAL**

1. **INTRODUCTION:**

* **Team Name:** **Infinity Coders**

**Infinity Coders** is a team of three determined individuals working together with the aim of developing a user-friendly and efficient **BookStore Management System**. With backgrounds in cybersecurity, software development, and user experience design, our goal is to create a secure and seamless platform for discovering and purchasing books. By working together, we aim to provide an effective solution that meets user requirements.



**TEAM MEMBERS:**

1. **Sarita Sangrez**



Digital and critical thinking areas excite her the most, so she narrowed down to Cyber Security, and now **Sarita Sangrez** is a Cyber Security undergraduate with a passion for Technology. Sarita has strong analytical skills and is very much interested in secure software development; hence she is extremely passionate about building innovative and dependable solutions. Constantly looking to expand her skillset and make a difference in a rapidly evolving field, Sarita aims to leave a mark on the industry.

* **Github Account:** Sarita Sangrez

1. **Syeda Shanzay Shah**



**Syeda Shanzay** is a cybersecurity student with a keen interest in software engineering. Currently expanding her expertise through a web development project, she focuses on building secure, efficient, and user-friendly applications. With a strong foundation in cybersecurity, she aims to integrate security best practices into modern software solutions.

* **Github Account:** S-hub001

1. **Laiba Nasir**



**Laiba Nasir** is a cybersecurity student currently working on a software engineering project. With a strong foundation in network security and secure coding practices, she aims to develop secure and efficient applications. Passionate about cybersecurity, she is eager to apply her skills in real-world projects and enhance software security standards.

* **Github Account:** Laiba-Laiba

**TEAM AGREEMENT:**

**Communication Methods:**

* **Primary:** WhatsApp Group & Email.
* **Secondary:** Google Meet for meetings.

**Response Time:**

* Within **2 hours** for emails.
* Within **30 minutes** for WhatsApp messages.

**Meeting Attendance:**

* **Weekly meetings** every Monday around 8 AM in university.
* All meetings are **mandatory** unless a valid excuse is provided

**Running Meetings:**

* Meetings will be conducted face-to-face on Monday morning.
* **Shanzay** will take notes.
* Notes will be shared in the group after each meeting.

**Preparation Before Meetings:**

* Members must **review their tasks** and **update progress** before each meeting.

**Version Control:**

* Using **GitHub for collaboration**
* Only **stable code** will be pushed to the main branch

**Contingency Plan:**

If a member **drops out**, tasks will be reassigned. If a member **misses three meetings**, a discussion will be held.

1. **PROJECT Overview:**

**Project Title: *BookStore Management System***

**Project Type:** *Web Application*

1. **PROJECT STATEMENT:**

Managing a bookstore manually is a **time-consuming** and **error-prone process**. Bookstore owners often struggle with inventory tracking, sales management, customer records, and generating reports. Without an efficient system, keeping track of book stock, sales, and financial transactions becomes overwhelming.

Existing solutions are often **costly, complex, or lack customization** for small bookstores. Many shop owners prefer a **simple, offline, and easy-to-use** system tailored to their needs. A well-designed bookstore management system can help streamline operations, reduce human errors, and improve business efficiency.

1. **SOLUTION AND SCOPE:**

The primary goal of the Book Management System is to help users locate books on the internet and make purchases with utmost ease. It offers a solution to the problem of finding books within different categories, while delivering a quick buying process. A user can easily search for a book using the genre, author or even the price range. The platform is open to guest users as well as registered users, but only registered users are allowed to purchase books. The catalogue is organized for easy search of books and integrates a secure payment system. The project scope involves listing a book for sale, searching for books, placing orders, managing inventory as well as excluding book rentals and integration with other physical stores. The system target book lovers by providing an easy-to-use surface alongside safe transaction.

1. **CORE FEATURES:**
2. **Search and Filtering of Books:** Users can find a particular book from the huge catalogue provided using filters such as title, author, genre, and even the price.
3. **Details and Review of Books:** Every book features a description that gives information on the author, book summary, price, and reviews that help the user
4. make an intelligent purchase.
5. **Users Cart:** Users can select a few books and place them in their shopping cart prior to making a purchase. They can edit their selection before checking out.
6. **Order Management:** Users can see the previous orders that were made, track the current shipments, and receive notifications regarding the order status.
7. **Feature of Wishlist:** Users can bookmark a book which they want to read or buy later for easy reference.
8. **Payment Processing Security:** The system allows for different types of online payment while ensuring that the user information is secure through encryption.
9. **Admin Panel for Book Inventory:** Admin can add books, removing them, changing stock levels, and checking out the sales reports.
10. **PROJECT PLAN:**

**Modular Breakdown**

|  |  |  |  |
| --- | --- | --- | --- |
| Iteration | Duration | Deliverable | Features |
| 1 | Week 1-2 | UI Design & Database Setup | Home Page, Book Catalog, User Authentication (Login/Signup) |
| 2 | Week 3-4 | Backend Development | Cart System, Order Management, Admin Dashboard |
| 3 | Week 5-6 | Final Testing & deployment | Payment Integration, Reviews, Reports & Analytics |

**Team Roles & Responsibilities**

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| --- | --- | --- |
| Name | Role | Responsibilities |
| Sarita Sangrez | Frontend Developer | UI/UX design, frontend functionality, responsiveness |
| Laiba Nasir | Tester & Documentation Manager | Testing, bug fixes, and project documentation |
| Syeda Shanzay | Backend Developer | Database design, server-side logic, API development |