



American International University- Bangladesh

CSC 3215: Web Technologies

CO1 and CO2 Evaluation

Project Report

Spring 23-24

Project Title: **Online Book Shop**

Introduction:

The Online Book Shop project to streamline book buying and selling experiences, promoting accessibility and literacy. Through this platform, we aim to offer a diverse selection of titles, catering to various interests and preferences. By leveraging technology, we seek to cultivate a community of avid readers and contribute to fostering a culture of lifelong learning and intellectual enrichment.

Background Study:

The Online Book Shop project draws inspiration from several key websites:

1. **Amazon Books** (www.amazon.com/books): Amazon's vast collection, personalized recommendations, and user reviews set the standard for online bookstores, providing valuable insights into customer preferences and purchasing habits.
2. **Rokomari** (www.rokomari.com): Rokomari is a popular online bookstore in Bangladesh, providing a wide range of books across genres. It offers user-friendly navigation, reviews, and recommendations to help customers make informed purchases. With convenient payment options and reliable delivery, Rokomari is a go-to platform for book lovers in Bangladesh.
3. **Book Depository** (www.bookdepository.com): Known for its international reach and free global delivery, Book Depository's accessibility and logistics model offer valuable lessons in catering to diverse audiences and handling shipping complexities.
4. **Goodreads** (www.goodreads.com): Goodreads' emphasis on community engagement, book reviews, and recommendations provides invaluable insights into fostering a vibrant reading community and leveraging user-generated content.

These websites serve as valuable references, guiding our project's focus on user experience, community building, global accessibility, and omnichannel integration.

Requirement Analysis:

1. User Category:

- Customer
- Admin
- Manager
- Employee

2. Feature List:

1. Customer:

1. Register/Sign up or Sign in.
2. **Account Management:** Manage personal information, address book, and payment methods.
3. View Product details
4. **Browse and Search Books:** Easily search for books by title, author, genre, or ISBN and browse through categories.
5. **Review and Rating System:** Submit reviews and ratings for books purchased.
6. **Wishlist and Recommendations:** Create Wishlist's and receive book recommendations based on previous searches and purchases.
7. Contact support for assistance.
8. **Place Orders:** Add books to a shopping cart and proceed through a secure checkout process.
9. **Order Tracking:** View the status of orders and track shipments.



2. Admin:

1. Dashboard customization.
2. **User Management: (CRUD)** Ability to create, update, disable, or delete user accounts for customers, managers, and Employees.
3. **Inventory Oversight:** Full access to view, add, update, or remove book listings, including details like prices, and descriptions.
4. **Order Management:** When customer order anything they need email authentication from Admin.
5. **Task Change:** Changing User's Task based on role.
6. **Reporting and Analytics:** Access comprehensive reports on sales, stock levels.

3. Manager:

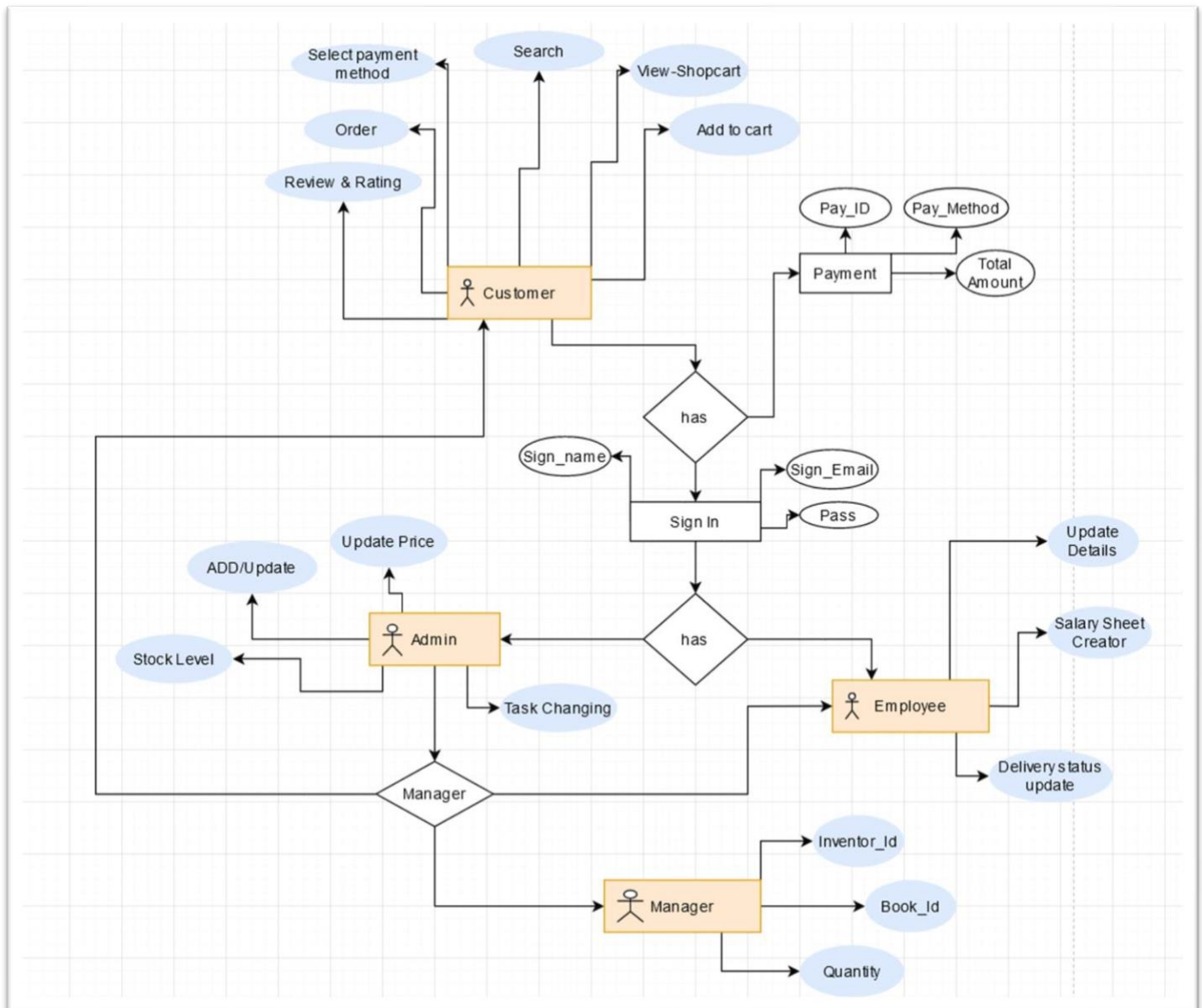
1. Register and submit products for approval by the admin.
2. **Inventory Management:** Monitor and update stock levels, add new books to the inventory, and set pricing.
3. **Book Sorting:** (sort products based on price, popularity, or other relevant factors).
4. **Customer Service Oversight:** Manage customer service representatives and ensure customer satisfaction.
5. Product Filtering (price range, brand, or category)
6. Sort products-based popularity, or other relevant factors.

4. Employee:

1. **Handle employee information:** (name, NID, phone, email, post, address) by adding, removing, or updating it.
2. **Performance Rating System:** While taking attendance, manager can give performance rating to each employee based on their work.
3. **Salary Sheet Creator:** The salary sheet will be automatically prepared based on attendance and performance of all employees.
4. Print Report (Manager will be able to print Total Salary Sheet along with employee's basic information.)
5. Update and retrieve order information. Manipulating order data in the database displaying this information to the user.
6. Delivery Status Updates



ER Design:



Tools Used:

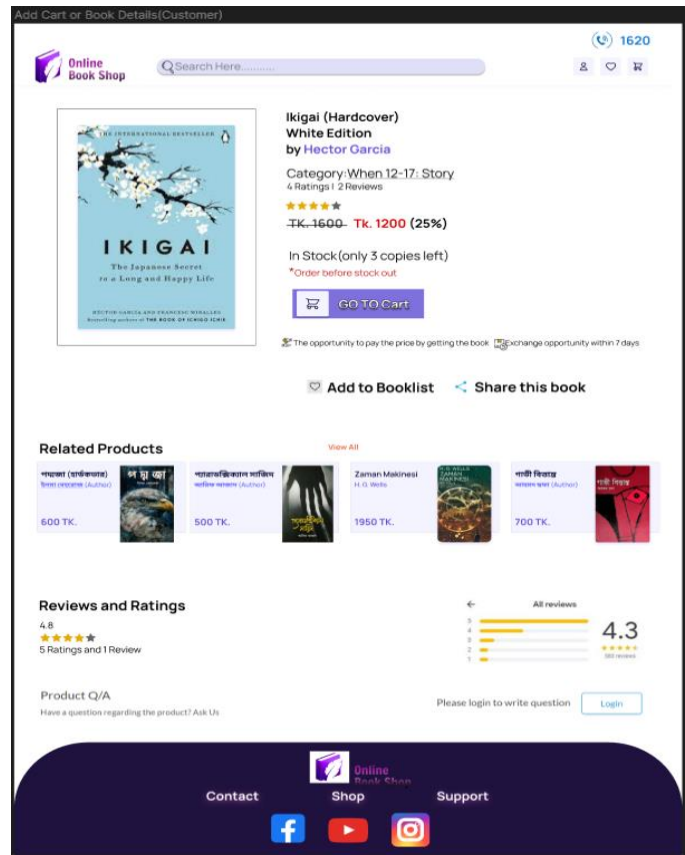
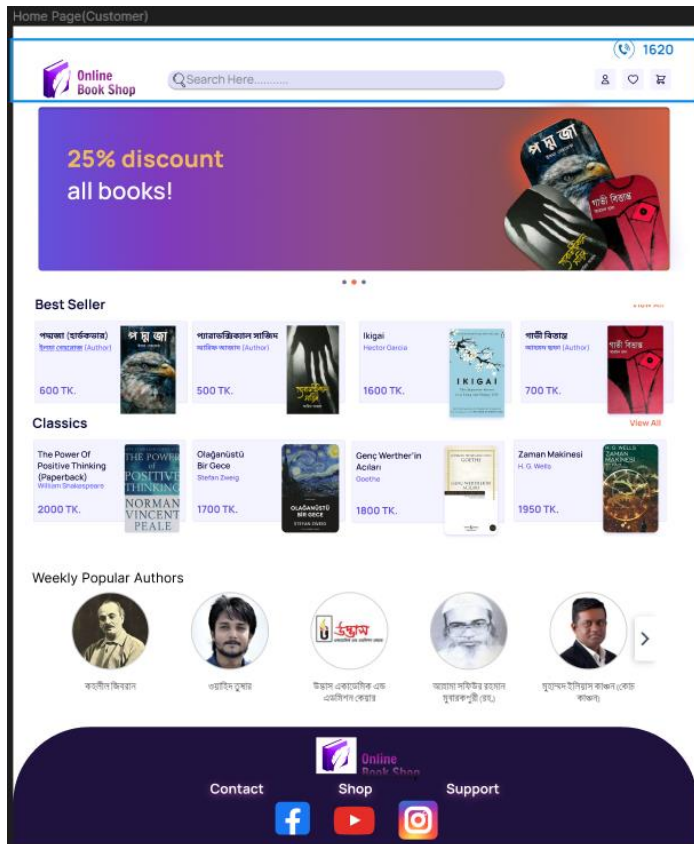
To develop this project, we have used the following:

- Figma Interface Design Tool
- Draw.io
- Sublime Text Editor
- MySQL Database Management System
- XAMPP Local Development Environment



System Images against the Specification:

Customer:



Description:

The online book shop customer homepage is a user-friendly interface where visitors can easily find and purchase books. It typically includes featured books, a search bar, navigation menus, special offers, personalized recommendations, account/login options, customer support links, featured authors/publishers, reviews/ratings, and social media integration. Its goal is to provide a seamless shopping experience and encourage users to explore and buy books.



Admin:

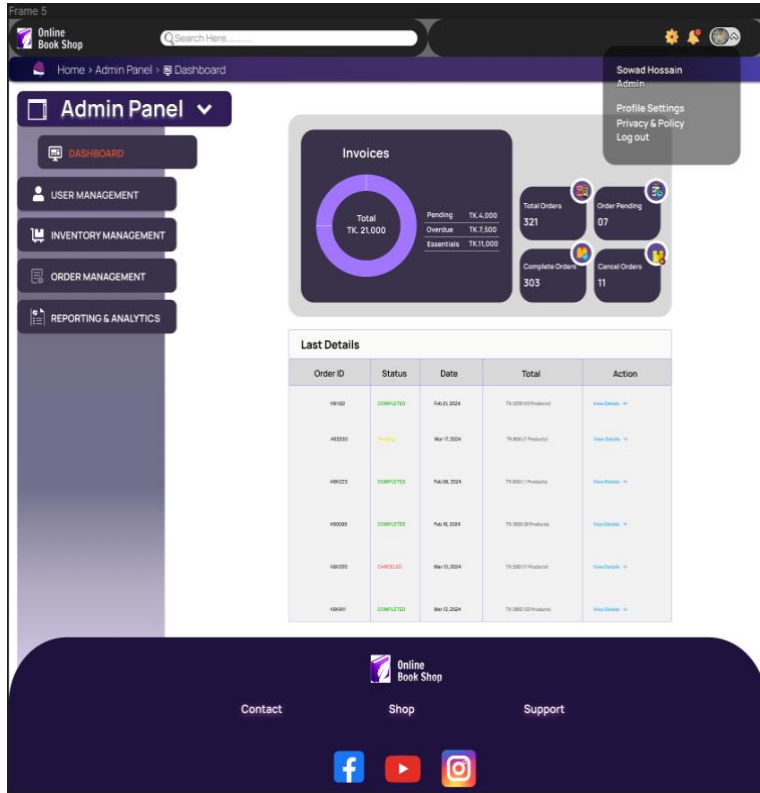


Figure-1

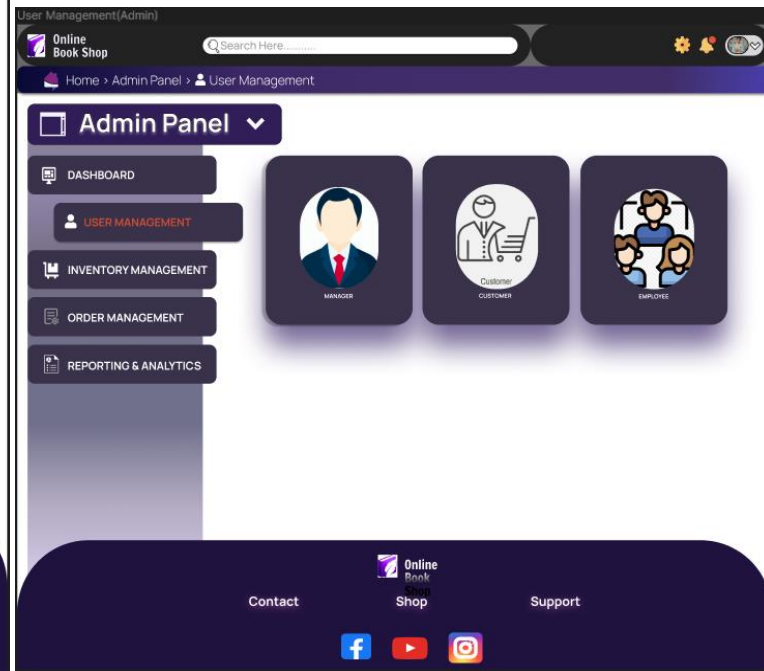


Figure-2

Description:

The admin panel is a centralized hub for managing users and adding new managers. It allows administrators to input important information like name, email, mobile number, and national ID. The panel offers dashboard, user management, inventory management, order management, and Reporting and Analytics. Clicking on a manager icon opens a new manager management interface like 2nd figure.



Employee:

Employee

Profile Update

Profile Update

Salary Sheet

Rating system

Update Order Information

Delivery Status Updates

Print Report

Name:

Email Address:

Mobile Number:

NID Number:

Post :

Address:

Update

Add Book's photo

Upload

Description:

An online book shop employee is responsible for various tasks, including managing customer orders, updating inventory, responding to customer inquiries, and ensuring the smooth operation of the website. They play a crucial role in providing a positive shopping experience for customers by handling various aspects of the online bookstore's operations.



Manager:

approval

REZWAN

Search Here.....


Online Book Shop

Candidates


100 Total Person

New Position Design


Home Employee Candidates Books




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Applied : 12dec,24
[view](#) [submit](#)

Description:

The online book shop manager panel serve a user-friendly platform for managers to easily submit book details to the admin for review and processing. It prioritizes simplicity, functionality, and accessibility to a seamless experience for manager's book submission.



Impact of this Project:

The Online Book Shop project is pivotal in shaping modern society by democratizing access to literature. It offers convenience, affordability, and a vast selection of titles, benefiting readers globally. By reducing reliance on physical stores, it minimizes environmental impact associated with transportation and paper usage. Ultimately, our project empowers individuals to explore diverse perspectives, fosters a love for reading, and contributes to a more sustainable future.

Limitations and Possible Future Improvements:

The Online Book Shop may face limitations in replicating the tactile experience of physical bookstores, where customers can browse and interact with books directly. Additionally, personalized recommendations online may not always capture the nuanced preferences discerned by knowledgeable bookstore staff.

Future improvements could involve refining recommendation algorithms to better understand individual tastes, integrating virtual browsing experiences that mimic the serendipitous discovery of books in-store, and introducing interactive features such as virtual author events to enhance engagement and bridge the gap between online and offline book shopping experiences.

[Note: Make sure that your report is maximum 10 pages (including cover page). Print (Colored) the report and submit it with spiral bind.]

CO1 and CO2 Evaluation: Project Report Evaluation					
Project Proposal (3)	Background Study (3)	Requirement Analysis (3)	Entity Diagram (3)	System Images against the Specification (3)	Total (15)

