Online Bookstore Web App

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1 Purpose

The main objective of the project is to create an online book store that allows users to search and purchase books.

2 Scope

The software is intended for major book sellers who could have their own online book store so that they could target the customers within their area and also target larger customer base and will not have to pay huge commission to Amazon or Flipkart.

Online Book store is an online web application where the customer can purchase books online. Through a web browser the customers can search for a book by its title or author, later can add to the shopping cart and finally purchase it. The user can login using his account details or new customers can set up an account very quickly. They should give the details of their name, contact number and shipping address. The user can also give feedback to a book by giving ratings on a score of five.

3 Introduction

Introduction contains the following subcategories.

3.1 Existing System

The present system is that if I need some books in the very next day then I will have to manually visit book store to buy some books.

The manual system has following disadvantages:

- A buyer has to visit from bookstore to bookstore to find the book he is looking for.

- The book store manually looks for the availability of a book.

- The book store keeps manual record of the book sales

- Data analysis for finding customer bahaviour pattern is difficult as it is stored on physical paper

3.2 Proposed system

1. **A home page with product catalog**- This is the page where the user will be navigated after a successful login. It will display all the book categories and will have a search keyword option to search for the required book

2. **Search facility to the user**- A search by keyword option is provided to the user using a textbox .The keyword to be entered should be the book title.

3. **Rating of books**- The user can give rating to a book based on his interest. He can rate it by giving a score of five as Excellent, four for very good, three for good, two for regular and one for deficient. The final rating of a book will depend on all the individual user rating.

4. **Shopping Cart**- The user can manage a shopping cart which will include all the books he selected. The user can edit, delete and update his shopping cart.

5. **Payment Integration for online payment**- The user will be able to pay online for the order.

4 Functional Requirements

Functional requirements are explained below:

1. Users can use a valid email and password to login.

2. Admin can retrieve user list.

3. Admin can add new product in the available product section.

4. Users can retrieve only their details.

5. User can place order, view orders placed by them, track orders and cancel orders.

5 Non Functional requirements

1. Digitalisation of the sales will keep data integrity.

2. Tracking of order can be easily done.

3. Automated invoice generation and tax calculation will increase efficiency.

4. Sales data could be analysed to gauged future demand.

5. High demand address could be easily found.

6. Stock keeping based on sales of books.

6   Software Tools

- Database Server: MySQL Server

- Client: Any web browser

- Version Control System: Git, Github

- Development Tools: Visual Studio Code

- Project Management Tool: Trello

- Backend: Django

- Frontend: Bootstrap

- Programming Language: Python, Javascript

7   Deployment

The web app will be deployed on AWS or heroku.