

A Field Project Report on

BOOK BUDDY: A BOOK RECOMMENDATION WEBSITE

Submitted

In partial fulfillment of the requirements for the award of the degree

BACHELOR OF TECHNOLOGY

In

COMPUTER SCIENCE and ENGINEERING

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VIGNAN'S

FOUNDATION FOR SCIENCE, TECHNOLOGY & RESEARCH

(Deemed to be University) - Estd. u/s 3 of UGC Act 1956

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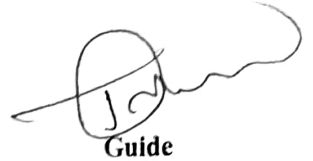
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CERTIFICATE

This is to certify that the field project entitled "BOOK BUDDY: A BOOK RECOMMENDATION WEBSITE" is being submitted by [V.Trishank], [231FA04589], [N.Tejaswini], [231FA04803], [P.Abdullah], [231FA04808], and [M.Gayathri], [231FA04859] in partial fulfilment of the requirements for the degree of **Bachelor of Technology (B.Tech.) in Computer Science and Engineering** at Vignan's Foundation for Science, Technology and Research (Deemed to be University), Vadlamudi, Guntur District, Andhra Pradesh, India.

This is a bonafide work carried out by the aforementioned students under my guidance and supervision.



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DECLARATION

Date: 09-04-2025

We hereby declare that the work presented in the field project titled "BOOK BUDDY: A BOOK RECOMMENDATION WEBSITE" is the result of our own efforts and investigations.

This project is being submitted under the supervision of **Mr.T.Narasimha Rao, Assistant Professor, CSE** in partial fulfillment of the requirements for the Bachelor of Technology (B.Tech.) degree in Computer Science and Engineering at Vignan's Foundation for Science, Technology and Research (Deemed to be University), Vadlamudi, Guntur, Andhra Pradesh, India.

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1. INTRODUCTION

In the vast and ever-expanding universe of literature, finding your next captivating read can feel like searching for a hidden gem in a sprawling, uncharted mine. The sheer volume of published works, spanning genres, styles, and eras, can be both exhilarating and overwhelming. This is where Book Buddy steps in, not as a mere database or a cold algorithm, but as a warm, insightful companion on your literary journey. We understand that reading is more than just consuming words; it's about forging connections with characters, exploring new worlds, and delving into the depths of human experience.

Book Buddy is born from a deep love for storytelling and a genuine desire to connect readers with books that resonate with their unique tastes and preferences. We recognize that every reader is an individual, with a distinct literary palate shaped by personal experiences, interests, and emotional needs. Our mission is to transcend the limitations of generic recommendation systems and cultivate a personalized, intuitive, and ultimately, enriching reading experience.

We believe that the perfect book is not simply a matter of popular trends or best-seller lists. It's about discovering stories that speak to your soul, that ignite your imagination, and that leave a lasting impact. Book Buddy strives to be more than just a recommendation engine; it aims to be a curator of literary experiences.

Our platform goes beyond surface-level data, delving into the nuances of narrative structure, thematic depth, and emotional resonance. We understand that a reader's enjoyment is influenced by a multitude of factors, from the pacing of a story to the complexity of its characters, from the evocative power of its prose to the intellectual stimulation it provides.

Book Buddy employs a sophisticated system of analysis, combining user feedback, expert reviews, and advanced algorithms to create a dynamic and evolving understanding of your reading preferences. We consider not only your past reading history but also your evolving interests, your emotional responses to different narratives, and your desire to explore new literary territories.

1.1 Problem definition

1. Clear Statement of the Issue:

Readers face significant challenges in discovering books that genuinely align with their individual preferences and evolving tastes. Existing book recommendation systems often rely on simplistic algorithms, leading to generic suggestions that fail to capture the nuanced and subjective nature of reading enjoyment. Consequently, readers struggle to find books that truly resonate, resulting in frustration, wasted time, and a diminished reading experience.

2. Contextual Background:

The digital age has brought an explosion of literary content, but also an overwhelming abundance of choices. Online bookstores and recommendation platforms, while offering vast

catalogs, frequently prioritize popularity and sales over personalized discovery. Many existing algorithms rely heavily on past purchase history or genre classifications, neglecting the complex interplay of emotional resonance, thematic interests, and stylistic preferences that contribute to reader satisfaction.

3. Scope and Boundaries:

This problem definition focuses on the user experience of book discovery within online platforms. The scope encompasses the challenge of providing personalized recommendations that go beyond basic genre matching and address the subjective aspects of reading enjoyment. It excludes issues related to book availability, pricing, and the physical act of reading.

4. Impact and Consequences:

- **Reduced Reader Engagement:** Readers may become discouraged by irrelevant recommendations, leading to decreased reading frequency and a diminished appreciation for literature.
- **Missed Opportunities:** Readers may miss out on discovering books that would profoundly impact them, limiting their exposure to diverse perspectives and enriching narratives.
- **Inefficient Resource Allocation:** Readers waste time and money on books that do not meet their expectations.
- **Erosion of Trust:** Inaccurate or generic recommendations can erode user trust in online book discovery platforms.
- **Diminished Community:** A lack of meaningful connection between readers and books reduces opportunities for book-related discussions and community building.

5. Stakeholders Involved:

- **Readers:** Individuals seeking personalized book recommendations.
- **Authors:** Whose work may not reach its ideal audience.
- **Publishers:** Who seek to connect their titles with relevant readers.
- **Online Book Retailers/Platforms:** Aiming to enhance user satisfaction and drive sales.
- **Book Reviewers and Critics:** Whose expertise can contribute to more nuanced recommendations.
- **The book community at large:** that misses out on potential connections between great books and the readers that would love them.

6. Measurable Indicators:

- **User Engagement Metrics:** Time spent browsing recommendations, click-through rates, and book ratings.
- **Recommendation Relevance:** Measured by user feedback on the accuracy and usefulness of recommendations.
- **User Satisfaction:** Gauged through surveys and feedback forms.
- **Discovery of Niche Books:** The number of users who discover books outside of mainstream bestsellers.
- **Increased number of books reviewed and rated:** indicating more user engagement with the platform.
- **Growth of user community interaction:** number of comments and discussions on book recommendations.

1.1 EXISTING SYSTEM

When discussing existing models related to book recommendation systems, particularly in the context of a niche platform like Boob Buddy, it's essential to consider various approaches that have been successfully implemented in the broader field of recommendation systems. Here are some existing models and methodologies that could be relevant:

1. Collaborative Filtering

Description: This model relies on user behavior and preferences to recommend books. It analyzes patterns in user interactions, such as ratings, reviews, and reading history, to suggest books that similar users have enjoyed.

Types:

- **User -Based Collaborative Filtering:** Recommends books based on the preferences of similar users.

- Item-Based Collaborative Filtering: Suggests books that are similar to those a user has liked in the past.

2. Content-Based Filtering

- Description: This approach recommends books based on the attributes of the books themselves, such as genre, author, keywords, and descriptions. It analyzes the content of books that a user has previously enjoyed to suggest similar titles.
- Implementation: Utilizing natural language processing (NLP) techniques to analyze book descriptions and user reviews can enhance the accuracy of recommendations.

3. Hybrid Models

- Description: Combining collaborative and content-based filtering, hybrid models leverage the strengths of both approaches to provide more accurate and diverse recommendations. This can help mitigate the limitations of each individual method.
- Example: A hybrid model might recommend books based on user preferences while also considering the content similarities of the books.

4. Knowledge-Based Systems

- Description: These systems use explicit knowledge about users and items to make recommendations. They often involve user input regarding preferences and requirements, which can be particularly useful in niche areas like breast health.
- Implementation: Users could fill out a questionnaire about their interests, health concerns, or specific topics they want to explore, allowing the system to recommend tailored books.

5. Social Recommendation Systems

- Description: These systems leverage social networks and community interactions to recommend books. They analyze social connections, shared interests, and community ratings to suggest titles that are popular within a user's social circle.
- Implementation: Boob Buddy could incorporate features that allow users to follow friends or community members, see their reading lists, and receive recommendations based on their activities.

6. Machine Learning Algorithms

- Description: Advanced machine learning techniques, such as clustering and classification algorithms, can be employed to analyze user data and improve recommendation accuracy over time.
- Example: Using algorithms like k-means clustering to group users with similar reading habits and preferences, leading to more personalized recommendations.

7. User Feedback Loop

- Description: Incorporating user feedback into the recommendation process can enhance the system's accuracy. Users can rate books, provide reviews, and indicate whether recommendations were helpful, allowing the system to learn and adapt.
- Implementation: Regularly updating the recommendation engine based on user interactions and feedback can help maintain relevance and improve user satisfaction.

1.2 PROPOSED SYSTEM

The proposed system for Boob Buddy aims to create a comprehensive and user-friendly platform that effectively recommends books related to breast health, awareness, and personal experiences. The system will integrate various methodologies to ensure personalized, relevant, and engaging recommendations for users. Below are the key components and features of the proposed system:

1. User Profile Creation

- **Description:** Users will create profiles that include their reading preferences, interests, and any specific topics related to breast health they wish to explore (e.g., breast cancer, self-care, body positivity).
- **Implementation:** A simple onboarding questionnaire will help gather this information, allowing the system to tailor recommendations accordingly.

2. Recommendation Engine

- **Hybrid Model:** The core of the system will be a hybrid recommendation engine that combines collaborative filtering, content-based filtering, and knowledge-based systems.
- **Collaborative Filtering:** Analyzes user behavior and preferences to suggest books that similar users have enjoyed.
- **Content-Based Filtering:** Utilizes book attributes (genre, author, keywords) to recommend similar titles based on user preferences.
- **Knowledge-Based Recommendations:** Allows users to input specific interests or health concerns, generating tailored suggestions.

3. Book Database

- **Description:** A comprehensive database of books related to breast health, including medical texts, personal narratives, self-help guides, and more.
- **Implementation:** The database will include detailed information about each book, such as summaries, author bios, user reviews, and ratings. Regular updates will ensure the inclusion of new releases and relevant literature.

4. User Interaction and Community Features

- **Discussion Forums:** A space for users to engage in discussions, share experiences, and ask questions related to breast health and recommended books.
- **User Reviews and Ratings:** Users can rate books and leave reviews, contributing to the recommendation engine and helping others make informed choices.
- **Follow Feature:** Users can follow friends or community members to see their reading lists and recommendations, fostering a sense of community.

5. Feedback Loop

- **Description:** The system will incorporate a feedback mechanism where users can indicate whether recommendations were helpful or relevant.
- **Implementation:** This feedback will be used to refine the recommendation algorithms, improving accuracy over time.

6. Search and Filter Options

- **Advanced Search:** Users can search for books using various filters, such as topic, author, publication date, and user ratings.
- **Personalized Suggestions:** Based on user profiles and interactions, the system will provide personalized book suggestions on the homepage.

7. Mobile and Web Accessibility

- **Responsive Design:** The platform will be accessible via both web and mobile devices, ensuring users can access recommendations anytime, anywhere.
- **User -Friendly Interface:** A clean, intuitive design will enhance user experience, making it easy to navigate and find desired content.

8. Educational Resources

- **Articles and Guides:** In addition to book recommendations, the platform will feature articles, guides, and resources related to breast health, providing users with valuable information and support.
- **Expert Contributions:** Collaborations with healthcare professionals and advocates can enhance the credibility and depth of the content available on the platform.

1.3 LITERATURE REVIEW

The literature review for Book Buddy focuses on existing research and developments in the fields of recommendation systems, user engagement in reading, and the impact of book recommendations on literacy and education. This review highlights key findings and methodologies that inform the design and functionality of the proposed book suggestion platform.

1. Recommendation Systems

Collaborative Filtering: Collaborative filtering is a widely used technique in recommendation systems, where user preferences and behaviors are analyzed to suggest items. Sarwar et al. (2001) describe two main types: user-based and item-based collaborative filtering. User-based filtering recommends books based on the preferences of similar users, while item-based filtering focuses on the relationships between items. This method has been effectively applied in various domains, including book recommendations (Linden et al., 2003).

Content-Based Filtering: Content-based filtering recommends items based on their attributes, such as genre, author, and keywords. Pazzani and Billsus (2007) emphasize that this approach is particularly effective when user preferences are well-defined, allowing for personalized recommendations. For Book Buddy, content-based filtering can help users discover books that align with their specific interests and reading habits.

Hybrid Models: Hybrid recommendation systems combine collaborative and content-based filtering to leverage the strengths of both approaches. Burke (2002) notes that hybrid systems can improve recommendation accuracy and user satisfaction by addressing the limitations of individual methods. This is particularly relevant for Book Buddy, as it aims to cater to a diverse audience with varying reading preferences.

2. User Engagement and Reading Habits

Impact of Book Recommendations: Research indicates that book recommendations significantly influence reading habits and choices. A study by Schwartz et al. (2013) found that personalized recommendations can lead to increased reading frequency and diversity in book selection. This highlights the potential of Book Buddy to enhance users' reading experiences through tailored suggestions.

Social Influence on Reading: The role of social networks in shaping reading habits has been explored by studies such as those by Hwang et al. (2014), which demonstrate that social interactions and peer recommendations can significantly impact individuals' reading choices. By incorporating community features, Book Buddy can facilitate social engagement and encourage users to share recommendations and reviews.

3. Literacy and Education

Promoting Literacy through Recommendations: Book recommendations play a crucial role in promoting literacy and fostering a love for reading. According to a report by the National Reading Panel (2000), exposure to a variety of reading materials is essential for developing literacy skills.

Book Buddy can contribute to this by providing diverse recommendations that cater to different age groups and reading levels.

Reading Motivation: Research by Guthrie and Wigfield (2000) highlights the importance of motivation in reading engagement. Personalized recommendations that align with users' interests can enhance motivation and encourage sustained reading habits. Book Buddy's tailored approach can help foster a more engaged reading community.

4. User -Centered Design in Digital Platforms

Importance of User Experience (UX): The design of digital platforms significantly impacts user engagement and satisfaction. Gibbons et al. (2011) emphasize that user-centered design principles, such as usability and accessibility, are critical for ensuring that users can effectively navigate and utilize reading platforms. Book Buddy will prioritize a user-friendly interface to enhance the overall experience.

Personalization and User Retention: Personalization is a key factor in user retention. Adomavicius and Tuzhilin (2005) indicate that personalized recommendations lead to higher user satisfaction and engagement. By tailoring book suggestions to individual preferences, Book Buddy can foster a more engaging and relevant user experience.

2. SYSTEM REQUIREMENTS

The system requirements for Book Buddy encompass functional aspects, ensuring that the platform operates efficiently and meets user needs. Below are the detailed requirements categorized into different sections.

Functional Requirements

- User Registration and Authentication
 - Users must be able to create an account using an email address and password.
 - Users should have the option to log in using social media accounts (e.g., Google, Facebook).
 - Password recovery and reset functionality must be available.
- User Profile Management
 - Users should be able to create and edit their profiles, including preferences for genres, authors, and reading interests.
 - Users can view their reading history and saved book recommendations.
- Book Recommendation Engine
 - The system must provide personalized book recommendations based on user preferences using collaborative filtering, content-based filtering, and hybrid models.
 - Users should be able to rate and review books, which will influence future recommendations.
- Search and Filter Functionality
 - Users must be able to search for books by title, author, genre, and keywords.
 - Advanced filtering options should be available to narrow down search results based on user-defined criteria (e.g., publication date, ratings).
- Community Features
 - Users should be able to participate in discussion forums to share experiences and recommendations.
 - Users can follow other users and see their reading lists and recommendations.
- Feedback Mechanism
 - Users should be able to provide feedback on recommendations, indicating whether they found them helpful or relevant.
 - The system should adapt recommendations based on user feedback over time.
- Educational Resources
 - The platform should provide access to articles, guides, and resources related to reading and literacy.
 - Users should be able to bookmark or save educational resources for later reference.

2.1 HARDWARE AND SERVER REQUIREMENTS

To ensure optimal performance, reliability, and scalability for the Book Buddy platform, the following hardware and server requirements are recommended. These specifications will support the application's functionality, user load, and data management needs.

1. Server Requirements

1.1. Web Server

- Type: Cloud-based server (e.g., AWS EC2, Google Cloud Compute Engine, or Azure Virtual Machines)
- CPU: Minimum 4 vCPUs (Virtual CPUs) for initial deployment; scalable to 8+ vCPUs based on user load.
- RAM: Minimum 16 GB; scalable to 32 GB or more for handling increased traffic and concurrent users.
- Storage:
 - SSD Storage: Minimum 100 GB for the operating system, application files, and database.
 - Database Storage: Additional 100 GB or more, depending on the size of the book database and user data.
- Network Bandwidth: Minimum 1 Gbps for handling user requests and data transfer efficiently.

1.2. Database Server

- Type: Managed database service (e.g., Amazon RDS, Google Cloud SQL, or Azure SQL Database) or a dedicated database server.
- CPU: Minimum 2 vCPUs; scalable based on database load.
- RAM: Minimum 8 GB; scalable to 16 GB or more for performance optimization.
- Storage:
 - SSD Storage: Minimum 100 GB, with the ability to scale as the database grows.
 - Backup Storage: Additional storage for regular backups (at least 50 GB).

2. Development and Testing Environment

2.1. Development Server

- Type: Local development environment or cloud-based development server.
- CPU: Minimum 2 vCPUs.
- RAM: Minimum 8 GB.
- Storage: Minimum 50 GB SSD for development tools, code repositories, and testing databases.

2.2. Testing Server

- Type: Staging server that mirrors the production environment.
- CPU: Minimum 4 vCPUs.
- RAM: Minimum 16 GB.
- Storage: Minimum 100 GB SSD for testing applications and databases.

3. Load Balancer (Optional)

- Type: Cloud-based load balancer (e.g., AWS Elastic Load Balancing, Google Cloud Load Balancing).
- Purpose: Distribute incoming traffic across multiple web servers to ensure high availability and reliability.

4. Content Delivery Network (CDN) (Optional)

- Type: CDN service (e.g., Cloudflare, Amazon CloudFront).
- Purpose: Improve load times and reduce latency by caching static content closer to users.

5. Backup and Recovery Solutions

- Type: Cloud-based backup solutions (e.g., AWS S3, Google Cloud Storage).
- Purpose: Regularly back up user data, application files, and databases to prevent data loss.

2.2 SOFTWARE REQUIREMENT SPECIFICATIONS

The Software Requirement Specifications (SRS) document outlines the functional and non-functional requirements for the Book Buddy platform. This document serves as a guideline for developers, stakeholders, and project managers to ensure that the system meets user needs and business objectives.

1. Introduction

1.1. Purpose The purpose of this SRS is to define the software requirements for Book Buddy, a book suggestion website that provides personalized book recommendations, community features, and educational resources related to reading and literacy.

1.2. Scope Book Buddy will serve as a platform for users to discover books based on their preferences, engage with a community of readers, and access educational materials. The system will include features such as user registration, book recommendations, search functionality, and user interaction.

1.3. Definitions, Acronyms, and Abbreviations

- SRS: Software Requirement Specifications
- UI: User Interface
- API: Application Programming Interface
- DB: Database

2. Overall Description

2.1. Product Perspective Book Buddy will be a web-based application accessible via modern web browsers and mobile devices. It will utilize a client-server architecture, with a frontend developed using JavaScript frameworks and a backend powered by a server-side language.

2.2. Product Functions

- User registration and authentication
- Personalized book recommendations
- Search and filter functionality for books
- User reviews and ratings
- Community discussion forums
- Educational resources and articles

2.3. User Classes and Characteristics

- General Users: Individuals seeking book recommendations and community engagement.
- Registered Users: Users who have created an account and can access personalized features.
- Administrators: Users responsible for managing the platform, including content moderation and user management.

3. Functional Requirements

3.1. User Registration and Authentication

- Users must be able to register using an email address and password.
- Users should have the option to log in using social media accounts (e.g., Google, Facebook).
- Password recovery and reset functionality must be available.

3.2. User Profile Management

- Users can create and edit their profiles, including preferences for genres, authors, and reading interests.
- Users can view their reading history and saved book recommendations.

3.3. Book Recommendation Engine

- The system must provide personalized book recommendations based on user preferences using collaborative filtering, content-based filtering, and hybrid models.
- Users should be able to rate and review books, which will influence future recommendations.

3.4. Search and Filter Functionality

- Users must be able to search for books by title, author, genre, and keywords.
- Advanced filtering options should be available to narrow down search results based on user-defined criteria (e.g., publication date, ratings).

3.5. Community Features

- Users should be able to participate in discussion forums to share experiences and recommendations.
- Users can follow other users and see their reading lists and recommendations.

3.6. Feedback Mechanism

- Users should be able to provide feedback on recommendations, indicating whether they found them helpful or relevant.
- The system should adapt recommendations based on user feedback over time.

3.7. Educational Resources

- The platform should provide access to articles, guides, and resources related to reading and literacy.
- Users should be able to bookmark or save educational resources for later reference.

4. Non-Functional Requirements

4.1. Performance Requirements

- The system should support at least 10,000 concurrent users without significant performance degradation.
- Page load times should not exceed 2 seconds under normal operating conditions.

4.2. Security Requirements

- User data must be stored securely, with encryption for sensitive information (e.g., passwords).
- The system should implement measures to prevent unauthorized access and data breaches.

4.3. Usability Requirements

- The user interface must be intuitive and user-friendly, allowing users to navigate the platform easily.

- The design should be responsive, ensuring compatibility with various devices (desktops, tablets, smartphones).

4.4. Accessibility Requirements

- The platform should comply with Web Content Accessibility Guidelines (WCAG) to ensure it is usable by individuals with disabilities.

4.5. Maintainability Requirements

- The system should be designed for easy maintenance and updates, allowing for the addition of new features and improvements without significant downtime.

5. System Architecture

5.1. Technology Stack

- Frontend: HTML, CSS, JavaScript (with frameworks like React, Angular, or Vue.js)
- Backend: Node.js, Python (Django or Flask), or Ruby on Rails
- Database: SQL (PostgreSQL or MySQL) or NoSQL (MongoDB)
- Hosting: Cloud-based services (e.g., AWS, Google Cloud, or Azure)

5.2. API Integration

- The system should support RESTful APIs for communication between the frontend and backend.
- Third-party APIs may be integrated for additional functionalities, such as book data retrieval and user authentication.

6. Deployment Requirements

- The application should be deployed on a cloud platform to ensure scalability and reliability.
- Continuous integration and continuous deployment (CI/CD) practices should be implemented for efficient updates and testing.

7. Testing Requirements

- The system must undergo unit testing, integration testing, and user acceptance testing to ensure all functionalities work as intended.
- Performance testing should be conducted to validate the system's ability to handle expected user loads.

3. SYSTEM DESIGN

The implementation plan outlines the steps necessary to develop and deploy the Book Buddy platform. This includes the development phases, timeline, resource allocation, and deployment strategy.

1. Development Phases

Phase 1: Requirements Gathering and Analysis

In this initial phase, the team will conduct meetings with stakeholders to gather detailed requirements for the platform. User stories and use cases will be created to define user interactions with the system. The Software Requirement Specifications (SRS) document will be finalized to ensure all requirements are clearly outlined.

Phase 2: System Design

During the system design phase, the architecture and database schema will be developed based on the SRS. Wireframes and UI mockups for key components will be created to visualize the user interface. These designs will be reviewed with stakeholders for feedback and approval.

Phase 3: Frontend Development

The frontend development environment will be set up using the chosen frameworks, such as React. UI components will be implemented based on the wireframes, ensuring that the design is responsive and accessible. The frontend will be integrated with the API to facilitate user interactions and data retrieval.

Phase 4: Backend Development

The backend development environment will be established using the selected server-side language, such as Node.js. RESTful APIs will be implemented for user authentication, book recommendations, and community features. The database schema will be developed, and data access layers will be implemented to manage interactions with the database.

Phase 5: Testing

Comprehensive testing will be conducted, including unit testing for individual components and integration testing for the entire system. User acceptance testing (UAT) will be performed with a group of target users to gather feedback. Any bugs or issues identified during testing will be addressed promptly.

Phase 6: Deployment

In the deployment phase, the production environment will be prepared on a cloud platform, such as AWS. Continuous integration and continuous deployment (CI/CD) pipelines will be implemented for automated testing and deployment. The application will be deployed, and monitoring will be conducted to identify any issues post-launch.

2. Timeline

The timeline for the implementation plan is as follows:

- Requirements Gathering: 2 weeks (Week 1 to Week 2)
- System Design: 3 weeks (Week 3 to Week 5)
- Frontend Development: 4 weeks (Week 6 to Week 9)
- Backend Development: 4 weeks (Week 6 to Week 9)

- Testing: 2 weeks (Week 10 to Week 11)
- Deployment: 1 week (Week 12)

3. Resource Allocation

Team Roles:

- Project Manager: Responsible for overseeing the project, managing timelines, and coordinating between teams.
- Frontend Developers: Tasked with implementing the user interface and client-side logic.
- Backend Developers: Handle server-side logic, API development, and database management.
- UI/UX Designer: Designs the user interface and ensures a positive user experience.
- QA Testers: Conduct testing to ensure the application meets quality standards.

Tools and Technologies:

- Frontend: React, HTML, CSS, JavaScript
- Backend: Node.js, Express, MongoDB/PostgreSQL

3.1 MODULES OF SYSTEM

The Book Buddy platform can be divided into several key modules, each responsible for specific functionalities. This modular approach allows for better organization, easier maintenance, and scalability of the system. Below are the primary modules of the Book Buddy system:

1. User Management Module

- Functionality:
 - User registration and authentication (login/logout).
 - Profile management (viewing and editing user profiles).
 - Password recovery and reset functionality.
- Components:
 - User Registration Form
 - Login Form
 - Profile Page
 - Password Recovery Interface

2. Book Management Module

- Functionality:
 - Adding, updating, and deleting book entries in the database.
 - Retrieving book details for display (title, author, genre, description, etc.).
 - Searching and filtering books based on various criteria (genre, author, ratings).
- Components:
 - Book Database
 - Book Search Interface
 - Book Detail Page
 - Admin Interface for Book Management (for administrators)

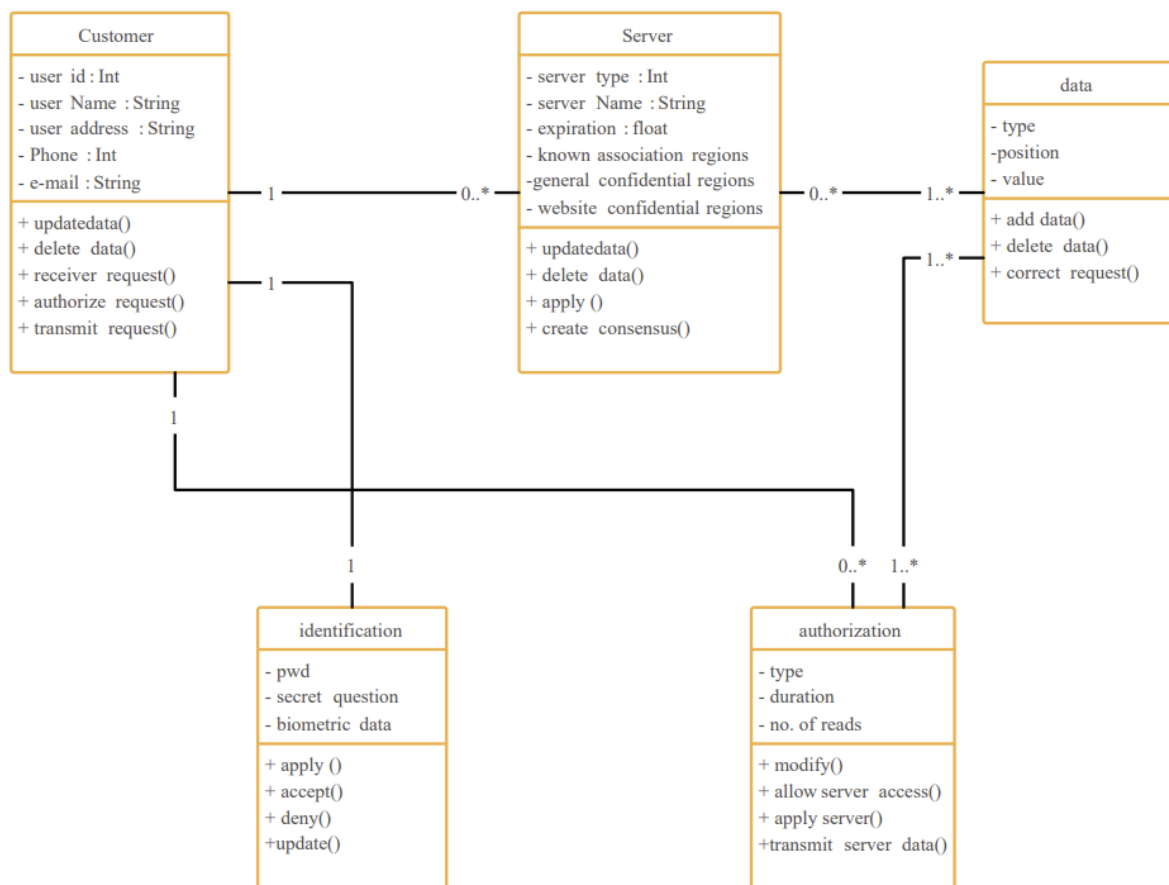
3. Recommendation Engine Module

- Functionality:
 - Generating personalized book recommendations based on user preferences and behavior.
 - Utilizing collaborative filtering, content-based filtering, and hybrid models.
 - Adapting recommendations based on user feedback and interactions.
- Components:

- Recommendation Algorithm
 - User Preference Tracking
 - Feedback Collection Mechanism
4. Review and Rating Module
- Functionality:
 - Allowing users to submit reviews and ratings for books.
 - Displaying user-generated reviews and ratings on book detail pages.
 - Aggregating ratings to provide an overall score for each book.
 - Components:
 - Review Submission Form
 - Review Display Section
 - Rating System (e.g., star ratings)
5. Community Interaction Module
- Functionality:
 - Facilitating discussions among users through forums or discussion threads.
 - Allowing users to follow other users and view their reading lists.
 - Enabling users to share recommendations and experiences.
 - Components:
 - Discussion Forum Interface
 - User Following System
 - Thread Creation and Reply Functionality
6. Search and Filter Module
- Functionality:
 - Providing a search bar for users to find books by title, author, or keywords.
 - Implementing advanced filtering options to narrow down search results (e.g., by genre, publication date, ratings).
 - Components:
 - Search Bar
 - Filter Options Interface
 - Search Results Display
7. Educational Resources Module
- Functionality:
 - Offering articles, guides, and resources related to reading and literacy.
 - Allowing users to bookmark or save educational resources for later reference.
 - Components:
 - Resource Library
 - Bookmarking Feature
 - Resource Detail Page
8. Analytics and Reporting Module
- Functionality:
 - Tracking user interactions, engagement metrics, and system performance.
 - Generating reports for administrators to analyze user behavior and platform usage.
 - Components:
 - Analytics Dashboard
 - User Engagement Reports
 - System Performance Metrics
9. Admin Management Module

- **Functionality:**
 - Managing user accounts (suspending, deleting, or modifying user profiles).
 - Moderating community interactions and content (e.g., removing inappropriate posts).
 - Overseeing book entries and ensuring data integrity.
- **Components:**
 - Admin Dashboard
 - User Management Interface
 - Content Moderation Tools

3.2 UML DIAGRAMS



4. IMPLEMENTATION

The implementation of the Book Buddy website involves several key steps, including setting up the development environment, coding the frontend and backend, integrating the database, and deploying the application. Below is a concise implementation plan.

1. Development Environment Setup

Tools and Technologies:

- Frontend: React.js, CSS, Bootstrap/Material-UI
- Backend: Node.js with Express.js
- Database: PostgreSQL/MySQL or MongoDB
- Version Control: Git and GitHub

Initial Setup:

- Create a GitHub repository.
- Set up a local development environment with Node.js.
- Initialize frontend and backend projects.

2. Frontend Development

Key Components:

- Homepage: Display featured books and recommendations.
- Search Bar: Allow users to search for books.
- Book Page: Show book info and reviews.
- User Profile: View and edit profiles.
- Community Forum: Participate in discussions.

API Integration:

- Use Axios or Fetch API for HTTP requests to the backend.

3. Backend Development

Setup:

- Initialize Node.js project and install packages:

bash

RunCopy code

1npm init -y

2npm install express mongoose cors dotenv bcryptjs jsonwebtoken

Database Connection:

- Connect to PostgreSQL or MongoDB using an ORM (Mongoose/Sequelize).
- Create models for User, Book, Review, and CommunityForum.

API Implementation:

- Create RESTful routes for user authentication, book management, and reviews.
- Implement JWT for user authentication.

4. Database Design and Integration

Schema:

- User : userId, username, email, passwordHash, preferences
- Book: bookId, title, author, genre, description, publishedDate
- Review: reviewId, userId, bookId, rating, comment, createdAt
- CommunityForum: threadId, title, content, userId, createdAt

Setup:

- Create the database and tables/collections based on the schema.

5. Testing

Unit Testing:

- Write tests for components and API endpoints using Jest or Mocha.

Integration Testing:

- Validate the integration between frontend and backend.

User Acceptance Testing (UAT):

- Conduct UAT with target users to gather feedback.

6. Deployment

Deployment Steps:

- Prepare the production environment on a cloud platform (e.g., AWS).
- Implement CI/CD pipelines for automated testing and deployment.
- Deploy the application and monitor for issues post-launch.

4.1 SAMPLE CODE

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="UTF-8">
```

```
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
  <title>Header</title>
```

```
  <link      href="https://fonts.googleapis.com/css2?family=Great+Vibes&display=swap"
rel="stylesheet">
```

```
  <link      href="https://fonts.googleapis.com/css2?family=Emilys+Candy&display=swap"
rel="stylesheet">
```

```
  <style>
```

```
    body {
```

```
      margin: 0;
```

```
      font-family: 'Emilys Candy', cursive;
```

```
      background-color: #F2E5D3; /* Champagne */
```

```
    }
```

```
    .green-band {
```

```
      background-color: #6F927F; /* Cactus green */
```

```
      padding: 20px;
```

```
      text-align: center;
```

```
    }
```

```
    .header-text {
```

```
      color: #FFFFFF; /* White */
```

```
    }
```

```
    .special-text {
```

```
      color: #F2E5D3; /* Champagne */
```

```
    }
```

```
    .navbar {
```

```
      background-color: #F2E5D3; /* Champagne */
```

```
      text-align: center;
```

```

}

.navbar-list {
  list-style-type: none;
  padding: 0;
  display: flex;
  justify-content: center;
}

.nav-link {
  display: block;
  padding: 5px 30px;
  color: black; /* White */
  text-decoration: none;
  border: 4px solid #FFFFFF; /* White */
  border-radius: 20px;
  margin: 0 20px;
  transition: background-color 0.3s, color 0.3s;
}

.nav-link:hover {
  background-color: #4C704E; /* Darker green */
}

.dropdown {
  position: relative;
}

.dropdown-menu {
  position: absolute;
  top: 100%;
  left: 50%;
  transform: translateX(-50%);
  background-color: #6F927F; /* Cactus green */
  border: 2px solid #FFFFFF; /* White */
  border-radius: 20px;
  padding: 5px 0;
  display: none;
}

.dropdown:hover .dropdown-menu {
  display: block;
}

.dropdown-link {
  display: block;
  padding: 10px 20px;
  color: #FFFFFF; /* White */

```

```

    text-decoration: none;
    border-radius: 20px;
    transition: background-color 0.3s, color 0.3s;
}

.dropdown-link:hover {
    background-color: #4C704E; /* Darker green */
}

/* New section with background image */
.background-section {
    background-image:
url('https://i.pinimg.com/originals/2f/ab/f3/2fabf3ceb5a35b51a70e27137d56e4d2.gif');
    background-size: cover;
    background-position: center;
    height: 700px; /* Adjust the height as needed */
    display: flex;
    justify-content: center;
    align-items: center;
    color: white; /* Text color on the background image */
    text-align: center;
    font-size: 68px;
    text-shadow: 0 0 10px Orange, 0 0 20px Orange, 0 0 30px Orange, 0 0 40px Orange, 0 0
50px Orange, 0 0 60px Orange;
}

.romantic-font {
    font-family: 'Great Vibes', cursive;
}

/* Announcement Section */
.announcement-section {
    background-color: #F2E5D3; /* Champagne */
    text-align: center;
    padding: 50px 0;
}

.announcement-title {
    font-family: 'Emilys Candy', cursive;
    color: Orange;
    font-size: 36px;
    margin-bottom: 20px;
}

.announcement-container {
    display: flex;
    justify-content: space-between;
    margin: 0 auto;

```

```

        max-width: 1200px;
    }

    .announcement-box {
        width: 30%;
        height: 200px;
        background-color: white;
        border-radius: 10px;
        box-shadow: 0px 0px 20px 2px grey; /* Cactus green */
        color : #A96255 ;
    }
    /* Bestseller Section */
    /* Bestseller Section */
    .bestseller-section {
        background-color: #F2E5D3; /* Champagne */
        text-align: center;
        padding: 50px 0;
    }

    .bestseller-title {
        font-family: 'Emilys Candy', cursive;
        color: Orange;
        font-size: 36px;
        margin-bottom: 20px;
    }

    .bestseller-container {
        display: grid;
        grid-template-columns: repeat(3, 1fr);
        gap: 20px;
        margin-top: 30px;
    }

    .bestseller-box {
        width: 80%;
        height: 770px;
        background-color: white;
        border-radius: 10px;
        box-shadow: 0px 0px 20px 2px grey; /* Shadow */
        overflow: hidden;
        position: relative;
        margin : 5px auto;

        padding : 5px 0px;
    }

    .bestseller-box img {
        width: 90%;

```



```

    height: 74%;
    object-fit: cover;
    margin-top: 13px;
}

.bestseller-box h3, .bestseller-box p, .bestseller-box .price, .bestseller-box .genre {
    margin: 5px;
    font-size: 18px;
}

.rating {
    color: #F2E5D3; /* Champagne */
    margin-bottom: 5px;
}

.star {
    color: gold;
    font-size: 20px;
}

.add-to-cart {
    background: linear-gradient(to right, #6F927F, #4C704E);
    color: white; /* Set text color to white */
    padding: 10px 28px;
    border-radius: 15px;
    cursor: pointer;
    transition: background-color 0.1s;
}

.add-to-cart:hover {
    background: green; /* Darker green */
}

.see-more-link {
    position: absolute;

    right: 10px;
    color: black; /* Darker green */
    text-decoration: none;
    font-weight: bold;
    font-size: 18px;
}

/* Contact Section Styles */
.contact-section {
    background-color: #f0f0f0;;
    color: black;
    padding: 50px 0;

```

```

    text-align: center;
}

.contact-form {
    max-width: 600px;
    margin: 0 auto;
}

.contact-form input,
.contact-form textarea {
    width: 100%;
    padding: 10px;
    margin-bottom: 20px;
    border-radius: 5px;
    border: none;
}

.contact-form input[type="submit"] {
    background-color: #007bff;
    color: #fff;
    cursor: pointer;
}

.contact-form input[type="submit"]:hover {
    background-color: #0056b3;
}

.error {
    color: red;
    margin-top: 5px;
}

footer {
    background-color: black;
    color: white;
    padding: 20px 0;
    text-align: center;
}

.footer-links li a {
    color: white;

</style>
</head>
<body>
<header class="green-band">
    <h1 class="header-text"><a href="HOME.html" style="text-decoration: none; color:
inherit; cursor: pointer;">Book buddy<span class="special-text">、°*~❖</span></a></h1>
</header>

```

```

<nav class="navbar">
  <ul class="navbar-list">
    <li><a href="HOME.html" class="nav-link">Home</a></li>
    <li><a href="Search.html" class="nav-link">Search</a></li>
    <li><a href="Recommendation.html" class="nav-link">Recommendations</a></li>
    <li class="dropdown">
      <a href="#" class="nav-link">Genre</a>
      <ul class="dropdown-menu">
        <li><a href="Self_help.html" class="dropdown-link">Self-Help</a></li>
        <li><a href="Romance.html" class="dropdown-link">Romance</a></li>
        <li><a href="Fantasy.html" class="dropdown-link">Fantasy</a></li>
        <li><a href="Comics.html" class="dropdown-link">Comics</a></li>
      </ul>
    </li>
  </ul>
</nav>

<!-- New section with background image -->
<section class="background-section">
  <h2 class="romantic-font">Where Every Page Finds A Home</h2>
</section>

<!-- Announcement Section -->
<section class="announcement-section">
  <h2 class="announcement-title">Book Announcements</h2>
  <div class="announcement-container">
    <div class="announcement-box">
      <h3>Exciting New Release!</h3>
      <p>Check out our latest fantasy novel, "The Kingdom of Shadows", now available in stores!</p>
    </div>
    <div class="announcement-box">
      <h3>Special Limited Edition!</h3>
      <p>Introducing the collector's edition of "The Great Escape" with exclusive bonus content!</p>
    </div>
    <div class="announcement-box">
      <h3>Upcoming Author Event!</h3>
      <p>Meet bestselling author Jane Doe for a book signing event at our bookstore on May 15th!</p>
    </div>
  </div>
</section>

<!-- Bestseller Section -->
<section class="bestseller-section">

  <h2 class="bestseller-title">Bestsellers <a href="#" class="see-more-link">SEE MORE</a></h2>

```

```

<div class="bestseller-container">
  <!-- Book 1 -->
  <div class="bestseller-box">
    
    <h3>Book Name 1</h3>
    <p>Author Name 1</p>
    <div class="rating">
      <span class="star">&#9733;</span>
      <span class="star">&#9733;</span>
      <span class="star">&#9733;</span>
      <span class="star">&#9733;</span>
      <span class="star">&#9734;</span>
    </div>
    <p class="price">$22.99</p>
    <p class="genre">Self-Help</p>
    <!-- Add to Cart button -->
    <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>

```

```

<!-- Romance option in the navbar -->
<li><a href="Romance.html" class="nav-link">Romance</a></li>

```

```

</div>

```

```

<!-- Book 2 -->
<div class="bestseller-box">
  
  <h3>Book Name 2</h3>
  <p>Author Name 2</p>
  <div class="rating">
    <span class="star">&#9733;</span>
    <span class="star">&#9733;</span>
    <span class="star">&#9733;</span>
    <span class="star">&#9733;</span>
    <span class="star">&#9734;</span>
  </div>
  <p class="price">$34.99</p>
  <p class="genre">Romance</p>
  <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>
</div>

```

```

<!-- Book 3 -->

```

```

<div class="bestseller-box">
  
  <h3>The Chronicles of Narnia</h3>
  <p>Author Name 3</p>
  <div class="rating">
    <span class="star">&#9733;</span>
    <span class="star">&#9733;</span>
    <span class="star">&#9733;</span>
    <span class="star">&#9733;</span>
    <span class="star">&#9734;</span>
  </div>
  <p class="price">$11.99</p>
  <p class="genre">Romance</p>
  <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>
</div>
</div>
<div class="bestseller-container">
  <!-- Book 1 -->
  <div class="bestseller-box">
    
    <h3>Book Name 1</h3>
    <p>Author Name 1</p>
    <div class="rating">
      <span class="star">&#9733;</span>
      <span class="star">&#9733;</span>
      <span class="star">&#9733;</span>
      <span class="star">&#9733;</span>
      <span class="star">&#9734;</span>
    </div>
    <p class="price">$22.99</p>
    <p class="genre">Self help</p>
    <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>
  </div>

  <!-- Book 2 -->
  <div class="bestseller-box">
    
    <h3>Book Name 2</h3>
    <p>Author Name 2</p>
    <div class="rating">

```

```

        <span class="star">&#9733;</span>
        <span class="star">&#9733;</span>
        <span class="star">&#9733;</span>
        <span class="star">&#9733;</span>
        <span class="star">&#9734;</span>
    </div>
    <p class="price">$19.99</p>
    <p class="genre">Fantasy</p>
    <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>
</div>

```

```

<!-- Book 3 -->
<div class="bestseller-box">
    
    <h3>The Chronicles of Narnia</h3>
    <p>Author Name 3</p>
    <div class="rating">
        <span class="star">&#9733;</span>
        <span class="star">&#9733;</span>
        <span class="star">&#9733;</span>
        <span class="star">&#9733;</span>
        <span class="star">&#9734;</span>
    </div>
    <p class="price">$19.99</p>
    <p class="genre">Fantasy</p>
    <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>
</div>
</div>

```

```

<div class="bestseller-container">
    <!-- Book 1 -->
    <div class="bestseller-box">
        
        <h3>Book Name 1</h3>
        <p>Author Name 1</p>
        <div class="rating">
            <span class="star">&#9733;</span>
            <span class="star">&#9733;</span>
            <span class="star">&#9733;</span>
            <span class="star">&#9733;</span>
            <span class="star">&#9734;</span>
        </div>
        <p class="price">$22.99</p>
    </div>

```

```

        <p class="genre">Self Help</p>
        <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>
    </div>

    <!-- Book 2 -->
    <div class="bestseller-box">
        
        <h3>Book Name 2</h3>
        <p>Author Name 2</p>
        <div class="rating">
            <span class="star">&#9733;</span>
            <span class="star">&#9733;</span>
            <span class="star">&#9733;</span>
            <span class="star">&#9733;</span>
            <span class="star">&#9734;</span>
        </div>
        <p class="price">$11.99</p>
        <p class="genre">Romance</p>
        <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>
    </div>

    <!-- Book 3 -->
    <div class="bestseller-box">
        
        <h3>The Chronicles of Narnia</h3>
        <p>Author Name 3</p>
        <div class="rating">
            <span class="star">&#9733;</span>
            <span class="star">&#9733;</span>
            <span class="star">&#9733;</span>
            <span class="star">&#9733;</span>
            <span class="star">&#9734;</span>
        </div>
        <p class="price">$11.99</p>
        <p class="genre">Comic</p>
        <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>
    </div>
</div>
</section>
<!-- Contact Section -->
<section class="contact-section">

```

```

<div class="container">
  <h2>Contact Us</h2>
  <div class="contact-form">
    <form id="contactForm">
      <input type="text" id="name" name="name" placeholder="Your Name">
      <div class="error" id="nameError"></div>
      <input type="email" id="email" name="email" placeholder="Your Email">
      <div class="error" id="emailError"></div>
      <input type="text" id="subject" name="subject" placeholder="Subject">
      <div class="error" id="subjectError"></div>
      <textarea id="message" name="message" placeholder="Your Message"></textarea>
      <div class="error" id="messageError"></div>
      <input type="submit" value="Submit">
    </form>
  </div>
</div>
</section>
<footer>
  <div class="container">
    <p>&copy; 2024 Farewell Party Management System. All Rights Reserved.</p>
    <ul class="footer-links">
      <li><a href="#" style="color: white;">Privacy Policy</a></li>
      <li><a href="#" style="color: white;">Terms of Service</a></li>
      <li><a href="#" style="color: white;">Contact Us</a></li>
    </ul>
  </div>
</footer>

<script>
const form = document.getElementById('contactForm');

form.addEventListener('submit', function(event) {
  event.preventDefault();

  // Reset errors
  document.getElementById('nameError').textContent = '';
  document.getElementById('emailError').textContent = '';
  document.getElementById('subjectError').textContent = '';
  document.getElementById('messageError').textContent = '';

  // Validation
  let isValid = true;
  const name = form['name'].value.trim();
  const email = form['email'].value.trim();
  const subject = form['subject'].value.trim();
  const message = form['message'].value.trim();

```



```

    if (name === "") {
        document.getElementById('nameError').textContent = 'Name is required';
        isValid = false;
    }

    if (email === "") {
        document.getElementById('emailError').textContent = 'Email is required';
        isValid = false;
    } else if (!isValidEmail(email)) {
        document.getElementById('emailError').textContent = 'Invalid email';
        isValid = false;
    }

    if (subject === "") {
        document.getElementById('subjectError').textContent = 'Subject is required';
        isValid = false;
    }

    if (message === "") {
        document.getElementById('messageError').textContent = 'Message is required';
        isValid = false;
    }

    if (isValid) {
        // Send the form data (Not implemented in this example)
        alert('Form submitted successfully!');
        form.reset();
    }
});

function isValidEmail(email) {
    // Simple email validation
    const re = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;
    return re.test(email);
}

</script>
</body>
</html>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Book Buddy - Self Help</title>

```

```

    <link href="https://fonts.googleapis.com/css2?family=Great+Vibes&display=swap"
rel="stylesheet">
    <link href="https://fonts.googleapis.com/css2?family=Emilys+Candy&display=swap"
rel="stylesheet">
<style>
  body {
    margin: 0;
    font-family: 'Emilys Candy', cursive;
    background-color: #F2E5D3; /* Champagne */
    color: #333; /* Dark Gray */
    line-height: 1.6;
  }

  header.green-band {
    background-color: #6F927F; /* Cactus green */
    padding: 20px 0;
    text-align: center;
  }

  .header-text {
    color: #FFFFFF; /* White */
    font-size: 2.5em;
    margin: 0;
  }

  .header-text a {
    text-decoration: none;
    color: inherit;
  }

  .special-text {
    color: #F2E5D3; /* Champagne */
  }

  .navbar {
    background-color: #F2E5D3; /* Champagne */
    text-align: center;
    border-bottom: 1px solid #ddd;
  }

  .navbar-list {
    list-style-type: none;
    padding: 10px 0;
    display: flex;
    justify-content: center;
    margin: 0;
  }

```

```

.nav-link {
  display: block;
  padding: 10px 25px;
  color: #333; /* Dark Gray */
  text-decoration: none;
  border-radius: 25px;
  margin: 0 10px;
  transition: background-color 0.3s, color 0.3s;
  border: 2px solid transparent;
}

.nav-link:hover, .nav-link.active {
  background-color: #4C704E; /* Darker green */
  color: #FFFFFF; /* White */
  border: 2px solid #FFFFFF;
}

.dropdown {
  position: relative;
}

.dropdown-menu {
  position: absolute;
  top: 100%;
  left: 50%;
  transform: translateX(-50%);
  background-color: #6F927F; /* Cactus green */
  border-radius: 20px;
  padding: 5px 0;
  display: none;
  z-index: 10;
}

.dropdown:hover .dropdown-menu {
  display: block;
}

.dropdown-link {
  display: block;
  padding: 10px 20px;
  color: #FFFFFF; /* White */
  text-decoration: none;
  border-radius: 20px;
  transition: background-color 0.3s, color 0.3s;
}

.dropdown-link:hover {
  background-color: #4C704E; /* Darker green */
}

```

```

}

.search-container {
  text-align: center;
  margin: 20px 0;
}

.search-form {
  display: inline-block;
}

.search-input {
  padding: 12px 20px;
  border: 2px solid #6F927F; /* Cactus green */
  border-radius: 25px;
  margin-right: 10px;
  width: 400px;
  font-size: 1em;
}

.search-button {
  padding: 12px 20px;
  background-color: #6F927F; /* Cactus green */
  color: #FFFFFF; /* White */
  border: none;
  border-radius: 25px;
  cursor: pointer;
  transition: background-color 0.3s;
  font-size: 1em;
}

.search-button:hover {
  background-color: #4C704E; /* Darker green */
}

.bestseller-section {
  padding: 20px;
}

.bestseller-title {
  text-align: center;
  margin-bottom: 20px;
  color: #4C704E;
}

.bestseller-container {
  display: flex;
  flex-wrap: wrap;

```

```

    justify-content: center;
}

.bestseller-box {
    width: 250px;
    margin: 20px;
    padding: 15px;
    border: 1px solid #ddd;
    border-radius: 10px;
    text-align: center;
    background-color: #FFFFFF;
}

.bestseller-box img {
    width: 150px;
    height: auto;
    margin-bottom: 10px;
}

.bestseller-box h3 {
    margin: 10px 0;
}

.bestseller-box p {
    margin: 5px 0;
}

.rating {
    color: #FFD700; /* Gold */
    margin: 5px 0;
}

.price {
    font-weight: bold;
    color: #4C704E;
}

.add-to-cart {
    background-color: #6F927F; /* Cactus green */
    color: #FFFFFF; /* White */
    padding: 10px 15px;
    border: none;
    border-radius: 20px;
    cursor: pointer;
    text-decoration: none;
    display: inline-block;
    transition: background-color 0.3s;
}

```

```

.add-to-cart:hover {
    background-color: #4C704E; /* Darker green */
}

/* Recommendations display */
{% raw %}{% if recommendations %}{% endraw %}
h2 { text-align: center; margin-top: 30px; }
ul { list-style: none; padding: 0; text-align: center; }
li { margin: 20px 0; }
li img { max-width: 150px; height: auto; display: block; margin: 10px auto; }
hr { border: 1px solid #ddd; margin: 20px 0; }
{% raw %}{% endif %}{% endraw %}
</style>
</head>
<body>
    <header class="green-band">
        <h1 class="header-text"><a href="HOME.html">Book Buddy<span class="special-
text">、°*~↵</span></a></h1>
    </header>
    <nav class="navbar">
        <ul class="navbar-list">
            <li><a href="HOME.html" class="nav-link">Home</a></li>
            <li><a href="Search.html" class="nav-link">Search</a></li>
            <li><a href="Recommendation.html" class="nav-link">Recommendations</a></li>
            <li class="dropdown">
                <a href="#" class="nav-link">Genre</a>
                <ul class="dropdown-menu">
                    <li><a href="Self_help.html" class="dropdown-link">Self-Help</a></li>
                    <li><a href="Romance.html" class="dropdown-link">Romance</a></li>
                    <li><a href="Fantasy.html" class="dropdown-link">Fantasy</a></li>
                    <li><a href="Comics.html" class="dropdown-link">Comics</a></li>
                </ul>
            </li>
        </ul>
    </nav>
    <section class="bestseller-section">
        <h2 class="bestseller-title">Our Recommendations</h2>
        <div class="bestseller-container">
            <div class="bestseller-box">
                
                <h3>The Unfair Advantage</h3>
                <p>Hassan Kubba</p>
                <div class="rating">

```

```

        <span class="star">&#9733;</span><span class="star">&#9733;</span><span
class="star">&#9733;</span><span
class="star">&#9733;</span><span
class="star">&#9734;</span>
    </div>
    <p class="price">$19.99</p>
    <a href="add_to_cart.html" class="add-to-cart">Add to Cart</a>
</div>
<div class="bestseller-box">
    
    <h3>Influence: The Psychology of Persuasion</h3>
    <p>Robert B. Cialdini</p>
    <div class="rating">
        <span class="star">&#9733;</span><span class="star">&#9733;</span><span
class="star">&#9733;</span><span
class="star">&#9733;</span><span
class="star">&#9734;</span>
    </div>
    <p class="price">$24.99</p>
    <a href="add_to_cart.html" class="add-to-cart">Add to Cart</a>
</div>
<div class="bestseller-box">
    
    <h3>Good to Great</h3>
    <p>Jim Collins</p>
    <div class="rating">
        <span class="star">&#9733;</span><span class="star">&#9733;</span><span
class="star">&#9733;</span><span
class="star">&#9733;</span><span
class="star">&#9734;</span>
    </div>
    <p class="price">$29.99</p>
    <a href="add_to_cart.html" class="add-to-cart">Add to Cart</a>
</div>
</div>
<div class="bestseller-container">
    <div class="bestseller-box">
        
        <h3>Deep Work</h3>
        <p>Cal Newport</p>
        <div class="rating">
            <span class="star">&#9733;</span><span class="star">&#9733;</span><span
class="star">&#9733;</span><span
class="star">&#9733;</span><span
class="star">&#9734;</span>
        </div>
    </div>

```

```

        <p class="price">$19.99</p>
        <a href="add_to_cart.html" class="add-to-cart">Add to Cart</a>
    </div>
    <div class="bestseller-box">
        
        <h3>Unwinding Anxiety</h3>
        <p>Judson Brewer</p>
        <div class="rating">
            <span class="star">&#9733;</span><span class="star">&#9733;</span><span
class="star">&#9733;</span><span
class="star">&#9733;</span><span
class="star">&#9734;</span>
        </div>
        <p class="price">$24.99</p>
        <a href="add_to_cart.html" class="add-to-cart">Add to Cart</a>
    </div>
    <div class="bestseller-box">
        
        <h3>How emotions are made</h3>
        <p>Lisa Feldman Barrett</p>
        <div class="rating">
            <span class="star">&#9733;</span><span class="star">&#9733;</span><span
class="star">&#9733;</span><span
class="star">&#9733;</span><span
class="star">&#9734;</span>
        </div>
        <p class="price">$29.99</p>
        <a href="add_to_cart.html" class="add-to-cart">Add to Cart</a>
    </div>
</div>
<div class="bestseller-container">
    <div class="bestseller-box">
        
        <h3>Sapiens: A Brief History of Humankind</h3>
        <p>Yuval Noah Harari</p>
        <div class="rating">
            <span class="star">&#9733;</span><span class="star">&#9733;</span><span
class="star">&#9733;</span><span
class="star">&#9733;</span><span
class="star">&#9734;</span>
        </div>
        <p class="price">$19.99</p>
        <a href="add_to_cart.html" class="add-to-cart">Add to Cart</a>
    </div>
    <div class="bestseller-box">

```



```


  <h3>The Laws Of Human Nature</h3>
  <p>Robert Greene</p>
  <div class="rating">
    <span class="star">&#9733;</span><span class="star">&#9733;</span><span
class="star">&#9733;</span><span
class="star">&#9733;</span><span
class="star">&#9734;</span>
    </div>
    <p class="price">$24.99</p>
    <a href="add_to_cart.html" class="add-to-cart">Add to Cart</a>
  </div>
<div class="bestseller-box">

```

```


  <h3>The Lean Startup</h3>
  <p>Eric Ries</p>
  <div class="rating">
    <span class="star">&#9733;</span><span class="star">&#9733;</span><span
class="star">&#9733;</span><span
class="star">&#9733;</span><span
class="star">&#9734;</span>
    </div>
    <p class="price">$29.99</p>
    <a href="add_to_cart.html" class="add-to-cart">Add to Cart</a>
  </div>
</div>
</section>

```

```

<!--{% raw %}{% if recommendations %}{% endraw %}
<h2>Recommended Books</h2>
<ul>
  {% raw %}{% for book in recommendations %}{% endraw %}
  <li>Title: {{ book.title }}</li>
  <li>Author: {{ book.author }}</li>
  <li>ISBN: {{ book.ISBN }}</li>
  <li></li>
  <hr>
  {% raw %}{% endfor %}{% endraw %}
</ul>
{% raw %}{% endif %}{% endraw %}-->
</body>
</html>

```

```

<!DOCTYPE html>
<html lang="en">

```

```

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Header</title>
  <link      href="https://fonts.googleapis.com/css2?family=Great+Vibes&display=swap"
rel="stylesheet">
  <link      href="https://fonts.googleapis.com/css2?family=Emilys+Candy&display=swap"
rel="stylesheet">
  <style>
    body {
      margin: 0;
      font-family: 'Emilys Candy', cursive;
      background-color: #F2E5D3; /* Champagne */
    }

    .green-band {
      background-color: #6F927F; /* Cactus green */
      padding: 20px;
      text-align: center;
    }

    .header-text {
      color: #FFFFFF; /* White */
    }

    .special-text {
      color: #F2E5D3; /* Champagne */
    }

    .navbar {
      background-color: #F2E5D3; /* Champagne */
      text-align: center;
    }

    .navbar-list {
      list-style-type: none;
      padding: 0;
      display: flex;
      justify-content: center;
    }

    .nav-link {
      display: block;
      padding: 5px 30px;
      color: black; /* White */
      text-decoration: none;
      border: 4px solid #FFFFFF; /* White */
      border-radius: 20px;

```

```

    margin: 0 20px;
    transition: background-color 0.3s, color 0.3s;
}

.nav-link:hover {
    background-color: #4C704E; /* Darker green */
}

.dropdown {
    position: relative;
}

.dropdown-menu {
    position: absolute;
    top: 100%;
    left: 50%;
    transform: translateX(-50%);
    background-color: #6F927F; /* Cactus green */
    border: 2px solid #FFFFFF; /* White */
    border-radius: 20px;
    padding: 5px 0;
    display: none;
}

.dropdown:hover .dropdown-menu {
    display: block;
}

.dropdown-link {
    display: block;
    padding: 10px 20px;
    color: #FFFFFF; /* White */
    text-decoration: none;
    border-radius: 20px;
    transition: background-color 0.3s, color 0.3s;
}

.dropdown-link:hover {
    background-color: #4C704E; /* Darker green */
}

.background-section {
    background-image:
url('https://i.pinimg.com/564x/70/c9/fd/70c9fd4008068a68a860c6527362fc82.jpg');
    background-size: 100% 100%; /* Cover the entire viewport */
    background-position: none;
    background-attachment: fixed; /* Fix the background image in place */
    background-repeat: no-repeat; /* Prevent background image from repeating */

```

```

height: 700px; /* Adjust the height as needed */
display: flex;
justify-content: center;
align-items: center;
color : goldenrod; /* Text color on the background image */
text-align: center;
font-size: 95px;
text-shadow: 0 0 10px white, 0 0 20px white, 0 0 30px white, 0 0 40px white, 0 0 50px white,
0 0 60px white;
}

```

```

.romantic-font {
  font-family: 'Great Vibes', cursive;
}

```

```

/* Bestseller Section */
/* Bestseller Section */
.bestseller-section {
  background-color: #F2E5D3; /* Champagne */
  text-align: center;
  padding: 50px 0;
}

```

```

.bestseller-title {
  font-family: 'Emilys Candy', cursive;
  color: Orange;
  font-size: 46px;
  margin-bottom: 20px;
  text-shadow: 0 0 10px white, 0 0 20px white, 0 0 30px white, 0 0 40px white, 0 0 50px white,
0 0 60px white;
}

```

```

.bestseller-container {
  display: grid;
  grid-template-columns: repeat(3, 1fr);
  gap: 20px;
  margin-top: 30px;
}

```

```

.bestseller-box {
  width: 80%;
  height: 770px;
  background-color: white;
  border-radius: 10px;
  box-shadow: 0px 0px 20px 2px grey; /* Shadow */
  overflow: hidden;
  position: relative;
}

```

```

    margin : 5px auto;

    padding : 5px 0px;
}

.bestseller-box img {
    width: 90%;
    height: 74%;
    object-fit: cover;
    margin-top: 13px;
}

.bestseller-box h3, .bestseller-box p, .bestseller-box .price {
    margin: 10px;
    font-size: 18px;
}

.rating {
    color: #F2E5D3; /* Champagne */
    margin-bottom: 5px;
}

.star {
    color: gold;
    font-size: 20px;
}

.add-to-cart {
    background: linear-gradient(to right, #6F927F, #4C704E);
    color: white; /* Set text color to white */
    padding: 10px 28px;
    border-radius: 15px;
    cursor: pointer;
    transition: background-color 0.1s;
}

.add-to-cart:hover {
    background: green; /* Darker green */
}

</style>
</head>
<body>
    <header class="green-band">
        <h1 class="header-text"><a href="HOME.html" style="text-decoration: none; color:
inherit; cursor: pointer;">Book Buddy<span class="special-text">`°•*`</span></a></h1>

```

```

</header>

<nav class="navbar">
  <ul class="navbar-list">
    <li><a href="HOME.html" class="nav-link">Home</a></li>
    <li><a href="Search.html" class="nav-link">Search</a></li>
    <li><a href="Recommendation.html" class="nav-link">Recommendations</a></li>
    <li class="dropdown">
      <a href="#" class="nav-link">Genre</a>
      <ul class="dropdown-menu">
        <li><a href="Self_help" class="dropdown-link">Self-Help</a></li>
        <li><a href="Romance.html" class="dropdown-link">Romance</a></li>
        <li><a href="Fantasy.html" class="dropdown-link">Fantasy</a></li>
        <li><a href="Comics.html" class="dropdown-link">Comics</a></li>
      </ul>
    </li>
  </ul>
</nav>

<!-- New section with background image -->
<section class="background-section">
  <h2 class="romantic-font"> Fantasy - Magic </h2>
</section>
<!-- Bestseller Section -->
<section class="bestseller-section">
  <h2 class="bestseller-title"> Fantasy Books </h2>
  <div class="bestseller-container">
    <!-- Book 1 -->
    <div class="bestseller-box">
      
      <h3>Dune</h3>
      <p>John Strassen</p>
      <div class="rating">
        <span class="star">&#9733;</span>
        <span class="star">&#9733;</span>
        <span class="star">&#9733;</span>
        <span class="star">&#9733;</span>
        <span class="star">&#9734;</span>
      </div>
      <p class="price">$19.99</p>
      <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>
    </div>

    <!-- Book 2 -->

```

```

<div class="bestseller-box">
  
  <h3>Shadow and Bone</h3>
  <p>Michael Jones</p>
  <div class="rating">
    <span class="star">&#9733;</span>
    <span class="star">&#9733;</span>
    <span class="star">&#9733;</span>
    <span class="star">&#9733;</span>
    <span class="star">&#9734;</span>
  </div>
  <p class="price">$24.99</p>
  <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>
</div>

```

```

<!-- Book 3 -->
<div class="bestseller-box">
  
  <h3>The Infernal Devices 3: Clockwork Princess </h3>
  <p> Cassandra Clare</p>
  <div class="rating">
    <span class="star">&#9733;</span>
    <span class="star">&#9733;</span>
    <span class="star">&#9733;</span>
    <span class="star">&#9733;</span>
    <span class="star">&#9734;</span>
  </div>
  <p class="price">$29.99</p>
  <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>
</div>

```

```

</div>
<div class="bestseller-container">
  <!-- Book 1 -->
  <div class="bestseller-box">
    
    <h3>Folk of the Air : The Wicked King by Holly Black </h3>
    <p> Holly Black </p>
    <div class="rating">
      <span class="star">&#9733;</span>
      <span class="star">&#9733;</span>
    </div>

```

```

        <span class="star">&#9733;</span>
        <span class="star">&#9733;</span>
        <span class="star">&#9734;</span>
    </div>
    <p class="price">$19.99</p>
    <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>
</div>

```

```

<!-- Book 2 -->
<div class="bestseller-box">
    
    <h3>Fantastic Beasts and Where to Find Them </h3>
    <p>J.K. Rowling</p>
    <div class="rating">
        <span class="star">&#9733;</span>
        <span class="star">&#9733;</span>
        <span class="star">&#9733;</span>
        <span class="star">&#9733;</span>
        <span class="star">&#9734;</span>
    </div>
    <p class="price">$24.99</p>
    <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>
</div>

```

```

<!-- Book 3 -->
<div class="bestseller-box">
    
    <h3>Shatter Me Series: Ignite Me </h3>
    <p>Shane Wilson</p>
    <div class="rating">
        <span class="star">&#9733;</span>
        <span class="star">&#9733;</span>
        <span class="star">&#9733;</span>
        <span class="star">&#9733;</span>
        <span class="star">&#9734;</span>
    </div>
    <p class="price">$29.99</p>
    <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>
</div>
</div>
<div class="bestseller-container">

```



```

<!-- Book 1 -->
<div class="bestseller-box">
  
  <h3>The Raven Cycle : The Raven Boys</h3>
  <p>by John Green</p>
  <div class="rating">
    <span class="star">&#9733;</span>
    <span class="star">&#9733;</span>
    <span class="star">&#9733;</span>
    <span class="star">&#9733;</span>
    <span class="star">&#9734;</span>
  </div>
  <p class="price">$19.99</p>
  <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>
</div>

<!-- Book 2 -->
<div class="bestseller-box">
  
  <h3>The Darkest Minds </h3>
  <p>Sundar Pichai</p>
  <div class="rating">
    <span class="star">&#9733;</span>
    <span class="star">&#9733;</span>
    <span class="star">&#9733;</span>
    <span class="star">&#9733;</span>
    <span class="star">&#9734;</span>
  </div>
  <p class="price">$24.99</p>
  <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>
</div>

<!-- Book 3 -->
<div class="bestseller-box">
  
  <h3>Crooked Kingdom</h3>
  <p>Joseph fern</p>
  <div class="rating">
    <span class="star">&#9733;</span>
    <span class="star">&#9733;</span>

```

```

        <span class="star">&#9733;</span>
        <span class="star">&#9733;</span>
        <span class="star">&#9734;</span>
    </div>
    <p class="price">$29.99</p>
    <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>
</div>
</div>
</section>
</body>
</html>

```

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Header</title>
    <link href="https://fonts.googleapis.com/css2?family=Great+Vibes&display=swap"
rel="stylesheet">
    <link href="https://fonts.googleapis.com/css2?family=Emilys+Candy&display=swap"
rel="stylesheet">
    <style>
        body {
            margin: 0;
            font-family: 'Emilys Candy', cursive;
            background-color: #F2E5D3; /* Champagne */
        }

        .green-band {
            background-color: #6F927F; /* Cactus green */
            padding: 20px;
            text-align: center;
        }

        .header-text {
            color: #FFFFFF; /* White */
        }

        .special-text {
            color: #F2E5D3; /* Champagne */
        }

        .navbar {
            background-color: #F2E5D3; /* Champagne */
            text-align: center;
        }
    </style>

```

```

.navbar-list {
  list-style-type: none;
  padding: 0;
  display: flex;
  justify-content: center;
}

.nav-link {
  display: block;
  padding: 5px 30px;
  color: black; /* White */
  text-decoration: none;
  border: 4px solid #FFFFFF; /* White */
  border-radius: 20px;
  margin: 0 20px;
  transition: background-color 0.3s, color 0.3s;
}

.nav-link:hover {
  background-color: #4C704E; /* Darker green */
}

.dropdown {
  position: relative;
}

.dropdown-menu {
  position: absolute;
  top: 100%;
  left: 50%;
  transform: translateX(-50%);
  background-color: #6F927F; /* Cactus green */
  border: 2px solid #FFFFFF; /* White */
  border-radius: 20px;
  padding: 5px 0;
  display: none;
}

.dropdown:hover .dropdown-menu {
  display: block;
}

.dropdown-link {
  display: block;
  padding: 10px 20px;
  color: #FFFFFF; /* White */
  text-decoration: none;
}

```

```

        border-radius: 20px;
        transition: background-color 0.3s, color 0.3s;
    }

    .dropdown-link:hover {
        background-color: #4C704E; /* Darker green */
    }

    .background-section {
                                                                    background-image:
url('https://i.pinimg.com/564x/48/97/4c/48974cf7cf687814b253052c108d3453.jpg');
        background-size: 100% 100%; /* Cover the entire viewport */
        background-position: cover;
        background-attachment: fixed; /* Fix the background image in place */
        height: 700px; /* Adjust the height as needed */
        display: flex;
        justify-content: center;
        align-items: center;
        color: #E07D45; /* Text color on the background image */
        text-align: center;
        font-size: 95px;
        text-shadow: 0 0 10px white, 0 0 20px white, 0 0 30px white, 0 0 40px white, 0 0 50px white,
0 0 60px white;
    }

    .romantic-font {
        font-family: 'Great Vibes', cursive;
    }

    /* Bestseller Section */
    /* Bestseller Section */
    .bestseller-section {
        background-color: #F2E5D3; /* Champagne */
        text-align: center;
        padding: 50px 0;
    }

    .bestseller-title {
        font-family: 'Emilys Candy', cursive;
        color: Orange;
        font-size: 46px;
        margin-bottom: 15px;
        text-shadow: 0 0 10px white, 0 0 20px white, 0 0 30px white, 0 0 40px white, 0 0 50px white,
0 0 60px white;
    }

    .bestseller-container {

```

```

display: grid;
grid-template-columns: repeat(3, 1fr);
gap: 20px;
margin-top: 30px;
}

.bestseller-box {
width: 80%;
height: 770px;
background-color: white;
border-radius: 10px;
box-shadow: 0px 0px 20px 2px grey; /* Shadow */
overflow: hidden;
position: relative;
margin : 5px auto;

padding : 5px 0px;
}

.bestseller-box img {
width: 90%;
height: 74%;
object-fit: cover;
margin-top: 13px;
}

.bestseller-box h3, .bestseller-box p, .bestseller-box .price {
margin: 10px;
font-size: 18px;
}

.rating {
color: #F2E5D3; /* Champagne */
margin-bottom: 5px;
}

.star {
color: gold;
font-size: 20px;
}

.add-to-cart {
background: linear-gradient(to right, #6F927F, #4C704E);
color: white; /* Set text color to white */
padding: 10px 28px;
border-radius: 15px;
cursor: pointer;
transition: background-color 0.1s;

```

```

}

.add-to-cart:hover {
    background: green; /* Darker green */
}

</style>
</head>
<body>
    <header class="green-band">
        <h1 class="header-text"><a href="HOME.html" style="text-decoration: none; color: inherit;
cursor: pointer;">Book Buddy<span class="special-text">、`°*`</span></a></h1>
    </header>

    <nav class="navbar">
        <ul class="navbar-list">
            <li><a href="HOME.html" class="nav-link">Home</a></li>
            <li><a href="Search.html" class="nav-link">Search</a></li>
            <li><a href="Recommendation.html" class="nav-link">Recommendations</a></li>
            <li class="dropdown">
                <a href="#" class="nav-link">Genre</a>
                <ul class="dropdown-menu">
                    <li><a href="Self_help.html" class="dropdown-link">Self-Help</a></li>
                    <li><a href="Romance.html" class="dropdown-link">Romance</a></li>
                    <li><a href="Fantasy.html" class="dropdown-link">Fantasy</a></li>
                    <li><a href="Comics.html" class="dropdown-link">Comics</a></li>
                </ul>
            </li>
        </ul>
    </nav>

    <!-- New section with background image -->
    <section class="background-section">
        <h2 class="romantic-font"> Comics </h2>
    </section>
    <!-- Bestseller Section -->
    <section class="bestseller-section">
        <h2 class="bestseller-title"> Comics(American) - Manga(Japanese) - Manhwa(Korean)</h2>
        <div class="bestseller-container">
            <!-- Book 1 -->
            <div class="bestseller-box">
                
                <h3>The Amazing Spiderman</h3>
                <p>Marvel comics</p>
                <div class="rating">

```

```

        <span class="star">&#9733;</span>
        <span class="star">&#9733;</span>
        <span class="star">&#9733;</span>
        <span class="star">&#9733;</span>
        <span class="star">&#9734;</span>
    </div>
    <p class="price">$19.99</p>
    <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>
</div>
<!-- Book 3 -->
<div class="bestseller-box">

    <h3>Solo Leveling </h3>
    <p>Manhwa Comics</p>
    <div class="rating">
        <span class="star">&#9733;</span>
        <span class="star">&#9733;</span>
        <span class="star">&#9733;</span>
        <span class="star">&#9733;</span>
        <span class="star">&#9734;</span>
    </div>
    <p class="price">$29.99</p>
    <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>
</div>

<!-- Book 2 -->
<div class="bestseller-box">

    <h3>Iron Man</h3>
    <p>Marvel comics</p>
    <div class="rating">
        <span class="star">&#9733;</span>
        <span class="star">&#9733;</span>
        <span class="star">&#9733;</span>
        <span class="star">&#9733;</span>
        <span class="star">&#9734;</span>
    </div>
    <p class="price">$24.99</p>
    <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>
</div>

```

```

</div>
<div class="bestseller-container">
  <!-- Book 1 -->
  <div class="bestseller-box">
    
    <h3>The Promised Neverland</h3>
    <p>Manga</p>
    <div class="rating">
      <span class="star">&#9733;</span>
      <span class="star">&#9733;</span>
      <span class="star">&#9733;</span>
      <span class="star">&#9733;</span>
      <span class="star">&#9734;</span>
    </div>
    <p class="price">$19.99</p>
    <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>
  </div>

  <!-- Book 2 -->
  <div class="bestseller-box">
    
    <h3>Blue Period</h3>
    <p>Manga</p>
    <div class="rating">
      <span class="star">&#9733;</span>
      <span class="star">&#9733;</span>
      <span class="star">&#9733;</span>
      <span class="star">&#9733;</span>
      <span class="star">&#9734;</span>
    </div>
    <p class="price">$24.99</p>
    <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>
  </div>

  <!-- Book 3 -->
  <div class="bestseller-box">
    
    <h3>Mystic Messengers</h3>
    <p>Manhwa Comic</p>

```



```

<div class="rating">
  <span class="star">&#9733;</span>
  <span class="star">&#9733;</span>
  <span class="star">&#9733;</span>
  <span class="star">&#9733;</span>
  <span class="star">&#9734;</span>
</div>
<p class="price">$29.99</p>
  <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>
</div>
</div>
<div class="bestseller-container">
  <!-- Book 1 -->
  <div class="bestseller-box">
                                                                    
    <h3>Tokyo Revengers</h3>
    <p>Manga</p>
    <div class="rating">
      <span class="star">&#9733;</span>
      <span class="star">&#9733;</span>
      <span class="star">&#9733;</span>
      <span class="star">&#9733;</span>
      <span class="star">&#9734;</span>
    </div>
    <p class="price">$19.99</p>
    <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>
  </div>

  <!-- Book 2 -->
  <div class="bestseller-box">
                                                                    <img
                                                                    src=
"https://i.pinimg.com/564x/0a/31/d0/0a31d03e41f54bbad0eb1a0deb4b543f.jpg"
alt="Book 2">
    <h3>Maybe Meant To Be </h3>
    <p>Manhwa Comics</p>
    <div class="rating">
      <span class="star">&#9733;</span>
      <span class="star">&#9733;</span>
      <span class="star">&#9733;</span>
      <span class="star">&#9733;</span>
      <span class="star">&#9734;</span>
    </div>
    <p class="price">$24.99</p>

```

```

        <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>
    </div>

    <!-- Book 3 -->
    <div class="bestseller-box">

                                                                    
        <h3> Doctor Strange</h3>
        <p>Marvel Comics</p>
        <div class="rating">
            <span class="star">&#9733;</span>
            <span class="star">&#9733;</span>
            <span class="star">&#9733;</span>
            <span class="star">&#9733;</span>
            <span class="star">&#9734;</span>
        </div>
        <p class="price">$29.99</p>
        <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>
    </div>
</div>
</section>
</body>
</html>

```

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Header</title>
    <link href="https://fonts.googleapis.com/css2?family=Great+Vibes&display=swap"
rel="stylesheet">
    <link href="https://fonts.googleapis.com/css2?family=Emilys+Candy&display=swap"
rel="stylesheet">
    <style>
        body {
            margin: 0;
            font-family: 'Emilys Candy', cursive;
            background-color: #F2E5D3; /* Champagne */
        }

        .green-band {
            background-color: #6F927F; /* Cactus green */
            padding: 20px;
        }
    </style>

```

```

    text-align: center;
}

.header-text {
    color: #FFFFFF; /* White */
}

.special-text {
    color: #F2E5D3; /* Champagne */
}

.navbar {
    background-color: #F2E5D3; /* Champagne */
    text-align: center;
}

.navbar-list {
    list-style-type: none;
    padding: 0;
    display: flex;
    justify-content: center;
}

.nav-link {
    display: block;
    padding: 5px 30px;
    color: black; /* White */
    text-decoration: none;
    border: 4px solid #FFFFFF; /* White */
    border-radius: 20px;
    margin: 0 20px;
    transition: background-color 0.3s, color 0.3s;
}

.nav-link:hover {
    background-color: #4C704E; /* Darker green */
}

.dropdown {
    position: relative;
}

.dropdown-menu {
    position: absolute;
    top: 100%;
    left: 50%;
    transform: translateX(-50%);
    background-color: #6F927F; /* Cactus green */
}

```

```

border: 2px solid #FFFFFF; /* White */
border-radius: 20px;
padding: 5px 0;
display: none;
}

.dropdown:hover .dropdown-menu {
display: block;
}

.dropdown-link {
display: block;
padding: 10px 20px;
color: #FFFFFF; /* White */
text-decoration: none;
border-radius: 20px;
transition: background-color 0.3s, color 0.3s;
}

.dropdown-link:hover {
background-color: #4C704E; /* Darker green */
}

.background-section {
background-image:
url('https://i.pinimg.com/736x/3a/60/18/3a60184c64ec6dbe2eb8f06bf8517b11.jpg');
background-size: 100% 100%; /* Cover the entire viewport */
background-position: cover;
background-attachment: fixed; /* Fix the background image in place */
height: 700px; /* Adjust the height as needed */
display: flex;
justify-content: center;
align-items: center;
color: #E07D45; /* Text color on the background image */
text-align: center;
font-size: 95px;
text-shadow: 0 0 10px white, 0 0 20px white, 0 0 30px white, 0 0 40px white, 0 0 50px white,
0 0 60px white;
}

.romantic-font {
font-family: 'Great Vibes', cursive;
}

/* Bestseller Section */
/* Bestseller Section */
.bestseller-section {

```

```

    background-color: #F2E5D3; /* Champagne */
    text-align: center;
    padding: 50px 0;
}

.bestseller-title {
    font-family: 'Emilys Candy', cursive;
    color: Orange;
    font-size: 46px;
    margin-bottom: 20px;
    text-shadow: 0 0 10px white, 0 0 20px white, 0 0 30px white, 0 0 40px white, 0 0 50px white,
    0 0 60px white;
}

.bestseller-container {
    display: grid;
    grid-template-columns: repeat(3, 1fr);
    gap: 20px;
    margin-top: 30px;
}

.bestseller-box {
    width: 80%;
    height: 770px;
    background-color: white;
    border-radius: 10px;
    box-shadow: 0px 0px 20px 2px grey; /* Shadow */
    overflow: hidden;
    position: relative;
    margin : 5px auto;

    padding : 5px 0px;
}

.bestseller-box img {
    width: 90%;
    height: 74%;
    object-fit: cover;
    margin-top: 13px;
}

.bestseller-box h3, .bestseller-box p, .bestseller-box .price {
    margin: 10px;
    font-size: 18px;
}

.rating {
    color: #F2E5D3; /* Champagne */

```

```

    margin-bottom: 5px;
}

.star {
    color: gold;
    font-size: 20px;
}

.add-to-cart {
    background: linear-gradient(to right, #6F927F, #4C704E);
    color: white; /* Set text color to white */
    padding: 10px 28px;
    border-radius: 15px;
    cursor: pointer;
    transition: background-color 0.1s;
}

.add-to-cart:hover {
    background: green; /* Darker green */
}

</style>
</head>
<body>
    <header class="green-band">
        <h1 class="header-text"><a href="HOME.html" style="text-decoration: none; color: inherit;
cursor: pointer;">Book Buddy<span class="special-text">、`°*`↪</span></a></h1>
    </header>

    <nav class="navbar">
        <ul class="navbar-list">
            <li><a href="HOME.html" class="nav-link">Home</a></li>
            <li><a href="Search.html" class="nav-link">Search</a></li>
            <li><a href="Recommendation.html" class="nav-link">Recommendations</a></li>
            <li class="dropdown">
                <a href="#" class="nav-link">Genre</a>
                <ul class="dropdown-menu">
                    <li><a href="Self_help" class="dropdown-link">Self-Help</a></li>
                    <li><a href="Romance.html" class="dropdown-link">Romance</a></li>
                    <li><a href="Fantasy.html" class="dropdown-link">Fantasy</a></li>
                    <li><a href="Comics.html" class="dropdown-link">Comics</a></li>
                </ul>
            </li>
        </ul>
    </nav>

    <!-- New section with background image -->

```

```

<section class="background-section">
  <h2 class="romantic-font"> Romance</h2>
</section>
<!-- Bestseller Section -->
<section class="bestseller-section">
  <h2 class="bestseller-title"> Romance Books</h2>
  <div class="bestseller-container">
    <!-- Book 1 -->
    <div class="bestseller-box">
      
      <h3>Me Before You</h3>
      <p>Jojo Moyes</p>
      <div class="rating">
        <span class="star">&#9733;</span>
        <span class="star">&#9733;</span>
        <span class="star">&#9733;</span>
        <span class="star">&#9733;</span>
        <span class="star">&#9734;</span>
      </div>
      <p class="price">$19.99</p>
      <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>
    </div>

    <!-- Book 2 -->
    <div class="bestseller-box">
      
      <h3>Always and Forever, Lara Jean</h3>
      <p>Jenny Hans</p>
      <div class="rating">
        <span class="star">&#9733;</span>
        <span class="star">&#9733;</span>
        <span class="star">&#9733;</span>
        <span class="star">&#9733;</span>
        <span class="star">&#9734;</span>
      </div>
      <p class="price">$24.99</p>
      <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>
    </div>

    <!-- Book 3 -->
    <div class="bestseller-box">

```

```

src="https://i.pinimg.com/564x/76/68/1f/76681f5242f52b581d9db2c57fc5dbbe.jpg"
alt="Book 3">
  <h3>Looking For Alaska </h3>
  <p>by John Green</p>
  <div class="rating">
    <span class="star">&#9733;</span>
    <span class="star">&#9733;</span>
    <span class="star">&#9733;</span>
    <span class="star">&#9733;</span>
    <span class="star">&#9734;</span>
  </div>
  <p class="price">$29.99</p>
  <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>
</div>
</div>
<div class="bestseller-container">
  <!-- Book 1 -->
  <div class="bestseller-box">

```

```

src="https://i.pinimg.com/564x/94/f6/6d/94f66dc8d9e007e92560725c599e4d11.jpg"
alt="Book 1">
  <h3>The Rosie Project</h3>
  <p>Graime Sinsion</p>
  <div class="rating">
    <span class="star">&#9733;</span>
    <span class="star">&#9733;</span>
    <span class="star">&#9733;</span>
    <span class="star">&#9733;</span>
    <span class="star">&#9734;</span>
  </div>
  <p class="price">$19.99</p>
  <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>
</div>

  <!-- Book 2 -->
  <div class="bestseller-box">

```

```

src="https://i.pinimg.com/736x/08/ee/04/08ee0407750fdeb1b962215cd69b8084.jpg"
alt="Book 2">
  <h3>It Ends With Us</h3>
  <p>by Collen Hover</p>
  <div class="rating">
    <span class="star">&#9733;</span>
    <span class="star">&#9733;</span>
    <span class="star">&#9733;</span>

```



```

        <span class="star">&#9733;</span>
        <span class="star">&#9734;</span>
    </div>
    <p class="price">$24.99</p>
    <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>
</div>

```

```

<!-- Book 3 -->

```

```

<div class="bestseller-box">

```

```



```

```

    <h3>The Sun Is Also A Star</h3>

```

```

    <p>Nikola Yoon</p>

```

```

    <div class="rating">

```

```

        <span class="star">&#9733;</span>

```

```

        <span class="star">&#9733;</span>

```

```

        <span class="star">&#9733;</span>

```

```

        <span class="star">&#9733;</span>

```

```

        <span class="star">&#9734;</span>
    </div>

```

```

    <p class="price">$29.99</p>

```

```

    <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>

```

```

    </div>

```

```

</div>

```

```

<div class="bestseller-container">

```

```

    <!-- Book 1 -->

```

```

    <div class="bestseller-box">

```

```



```

```

    <h3>The Fault In Our Stars</h3>

```

```

    <p>by John Green</p>

```

```

    <div class="rating">

```

```

        <span class="star">&#9733;</span>

```

```

        <span class="star">&#9733;</span>

```

```

        <span class="star">&#9733;</span>

```

```

        <span class="star">&#9733;</span>

```

```

        <span class="star">&#9734;</span>
    </div>

```

```

    <p class="price">$19.99</p>

```

```

    <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>

```

```

    </div>

```

```

<!-- Book 2 -->

```

```

<div class="bestseller-box">
    <img src=
"https://i.pinimg.com/564x/29/bf/06/29bf0624ec131f0e5f983534d15c6afc.jpg" alt="Book
2">
    <h3>Eleanor & Park /h3>
    <p>Rainbow Rowell</p>
    <div class="rating">
        <span class="star">&#9733;</span>
        <span class="star">&#9733;</span>
        <span class="star">&#9733;</span>
        <span class="star">&#9733;</span>
        <span class="star">&#9734;</span>
    </div>
    <p class="price">$24.99</p>
    <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>
</div>

<!-- Book 3 -->
<div class="bestseller-box">
    
    <h3>The Great Gastby</h3>
    <p>Escort Fitz Gerald</p>
    <div class="rating">
        <span class="star">&#9733;</span>
        <span class="star">&#9733;</span>
        <span class="star">&#9733;</span>
        <span class="star">&#9733;</span>
        <span class="star">&#9734;</span>
    </div>
    <p class="price">$29.99</p>
    <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>
    </div>
</div>
</section>
</body>
</html>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Header</title>

```

```

    <link href="https://fonts.googleapis.com/css2?family=Great+Vibes&display=swap"
rel="stylesheet">
    <link href="https://fonts.googleapis.com/css2?family=Emilys+Candy&display=swap"
rel="stylesheet">
<style>
  body {
    margin: 0;
    font-family: 'Emilys Candy', cursive;
    background-color: #F2E5D3; /* Champagne */
  }

  .green-band {
    background-color: #6F927F; /* Cactus green */
    padding: 20px;
    text-align: center;
  }

  .header-text {
    color: #FFFFFF; /* White */
  }

  .special-text {
    color: #F2E5D3; /* Champagne */
  }

  .navbar {
    background-color: #F2E5D3; /* Champagne */
    text-align: center;
  }

  .navbar-list {
    list-style-type: none;
    padding: 0;
    display: flex;
    justify-content: center;
  }

  .nav-link {
    display: block;
    padding: 5px 30px;
    color: black; /* White */
    text-decoration: none;
    border: 4px solid #FFFFFF; /* White */
    border-radius: 20px;
    margin: 0 20px;
    transition: background-color 0.3s, color 0.3s;
  }

```

```
.nav-link:hover {  
  background-color: #4C704E; /* Darker green */  
}
```

```
.dropdown {  
  position: relative;  
}
```

```
.dropdown-menu {  
  position: absolute;  
  top: 100%;  
  left: 50%;  
  transform: translateX(-50%);  
  background-color: #6F927F; /* Cactus green */  
  border: 2px solid #FFFFFF; /* White */  
  border-radius: 20px;  
  padding: 5px 0;  
  display: none;  
}
```

```
.dropdown:hover .dropdown-menu {  
  display: block;  
}
```

```
.dropdown-link {  
  display: block;  
  padding: 10px 20px;  
  color: #FFFFFF; /* White */  
  text-decoration: none;  
  border-radius: 20px;  
  transition: background-color 0.3s, color 0.3s;  
}
```

```
.dropdown-link:hover {  
  background-color: #4C704E; /* Darker green */  
}
```

```
.background-section {  
  background-image:  
url('https://i.pinimg.com/originals/78/cb/b6/78cbb63ddda425fce2ae7f0fed9ed996.gif');  
  background-size: 100% 100%; /* Cover the entire viewport */  
  background-position: cover;  
  background-attachment: absolute; /* Fix the background image in place */  
  background-repeat: no-repeat; /* Prevent background image from repeating */  
  height: 700px; /* Adjust the height as needed */  
  display: flex;  
  justify-content: center;
```

```

    align-items: center;
    color: #E07D45; /* Text color on the background image */
    text-align: center;
    font-size: 68px;
    text-shadow: 0 0 10px white, 0 0 20px white, 0 0 30px white, 0 0 40px white, 0 0 50px white,
    0 0 60px white;
}

    .romantic-font {
        font-family: 'Great Vibes', cursive;
    }

    /* Bestseller Section */
/* Bestseller Section */
.bestseller-section {
    background-color: #F2E5D3; /* Champagne */
    text-align: center;
    padding: 50px 0;
}

.bestseller-title {
    font-family: 'Emilys Candy', cursive;
    color: Orange;
    font-size: 46px;
    margin-bottom: 20px;
    text-shadow: 0 0 10px white, 0 0 20px white, 0 0 30px white, 0 0 40px white, 0 0 50px white,
    0 0 60px white;
}

.bestseller-container {
    display: grid;
    grid-template-columns: repeat(3, 1fr);
    gap: 20px;
    margin-top: 30px;
}

.bestseller-box {
    width: 80%;
    height: 770px;
    background-color: white;
    border-radius: 10px;
    box-shadow: 0px 0px 20px 2px grey; /* Shadow */
    overflow: hidden;
    position: relative;
    margin : 5px auto;

    padding : 5px 0px;
}

```

```

.bestseller-box img {
  width: 90%;
  height: 74%;
  object-fit: cover;
  margin-top: 13px;
}

.bestseller-box h3, .bestseller-box p, .bestseller-box .price {
  margin: 10px;
  font-size: 18px;
}

.rating {
  color: #F2E5D3; /* Champagne */
  margin-bottom: 5px;
}

.star {
  color: gold;
  font-size: 20px;
}

.add-to-cart {
  background: linear-gradient(to right, #6F927F, #4C704E);
  color: white; /* Set text color to white */
  padding: 10px 28px;
  border-radius: 15px;
  cursor: pointer;
  transition: background-color 0.1s;
}

.add-to-cart:hover {
  background: green; /* Darker green */
}

</style>
</head>
<body>
  <header class="green-band">
    <h1 class="header-text"><a href="HOME.html" style="text-decoration: none; color: inherit;
cursor: pointer;">Book Buddy<span class="special-text">、°•*~</span></a></h1>
  </header>

  <nav class="navbar">
    <ul class="navbar-list">
      <li><a href="HOME.html" class="nav-link">Home</a></li>

```

```

<li><a href="Search.html" class="nav-link">Search</a></li>
<li><a href="Recommendation.html" class="nav-link">Recommendations</a></li>
<li class="dropdown">
  <a href="#" class="nav-link">Genre</a>
  <ul class="dropdown-menu">
    <li><a href="Self_help.html" class="dropdown-link">Self-Help</a></li>
    <li><a href="Romance.html" class="dropdown-link">Romance</a></li>
    <li><a href="Fantasy.html" class="dropdown-link">Fantasy</a></li>
    <li><a href="Comics.html" class="dropdown-link">Comics</a></li>
  </ul>
</li>
</ul>
</nav>

<!-- New section with background image -->
<section class="background-section">
  <h2 class="romantic-font"> Self Help - Growth - Positivity </h2>
</section>
<!-- Bestseller Section -->
<section class="bestseller-section">
  <h2 class="bestseller-title"> Self Help Books</h2>
  <div class="bestseller-container">
    <!-- Book 1 -->
    <div class="bestseller-box">
      
      <h3>The Unfair Advantage </h3>
      <p>Hassan Kubba</p>
      <div class="rating">
        <span class="star">&#9733;</span>
        <span class="star">&#9733;</span>
        <span class="star">&#9733;</span>
        <span class="star">&#9733;</span>
        <span class="star">&#9734;</span>
      </div>
      <p class="price">$19.99</p>
      <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>
    </div>

    <!-- Book 2 -->
    <div class="bestseller-box">
      
      <h3>Influence : The Psychology of Persuasion </h3>
      <p>Robet B.Cialdini</p>

```

```

<div class="rating">
  <span class="star">&#9733;</span>
  <span class="star">&#9733;</span>
  <span class="star">&#9733;</span>
  <span class="star">&#9733;</span>
  <span class="star">&#9734;</span>
</div>
<p class="price">$24.99</p>
  <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>
</div>

```

```

<!-- Book 3 -->
<div class="bestseller-box">
  
  <h3>Good to Great </h3>
  <p>by Jim Collins</p>
  <div class="rating">
    <span class="star">&#9733;</span>
    <span class="star">&#9733;</span>
    <span class="star">&#9733;</span>
    <span class="star">&#9733;</span>
    <span class="star">&#9734;</span>
  </div>
  <p class="price">$29.99</p>
  <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>
</div>
</div>
<div class="bestseller-container">
  <!-- Book 1 -->
  <div class="bestseller-box">

```

```

  
  <h3>Deep Work</h3>
  <p>Cal Newport</p>
  <div class="rating">
    <span class="star">&#9733;</span>
    <span class="star">&#9733;</span>
    <span class="star">&#9733;</span>
    <span class="star">&#9733;</span>
    <span class="star">&#9734;</span>
  </div>
  <p class="price">$19.99</p>

```



```

        <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>
    </div>

```

```

<!-- Book 2 -->

```

```

<div class="bestseller-box">

```

```

```

```

        <h3>Unwinding Anxiety</h3>

```

```

        <p>by Judson Brewer</p>

```

```

        <div class="rating">

```

```

            <span class="star">&#9733;</span>

```

```

            <span class="star">&#9733;</span>

```

```

            <span class="star">&#9733;</span>

```

```

            <span class="star">&#9733;</span>

```

```

            <span class="star">&#9734;</span>

```

```

        </div>

```

```

        <p class="price">$24.99</p>

```

```

        <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>
    </div>

```

```

<!-- Book 3 -->

```

```

<div class="bestseller-box">

```

```

```

```

        <h3>How emotions are made</h3>

```

```

        <p>Lisa Feldmen Barret</p>

```

```

        <div class="rating">

```

```

            <span class="star">&#9733;</span>

```

```

            <span class="star">&#9733;</span>

```

```

            <span class="star">&#9733;</span>

```

```

            <span class="star">&#9733;</span>

```

```

            <span class="star">&#9734;</span>

```

```

        </div>

```

```

        <p class="price">$29.99</p>

```

```

        <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>
    </div>

```

```

</div>

```

```

<div class="bestseller-container">

```

```

    <!-- Book 1 -->

```

```

    <div class="bestseller-box">

```

```

```

```

<h3>Sapiens: A Brief History of Humankind </h3>
<p>by Yuval Noah Harrai</p>
<div class="rating">
  <span class="star">&#9733;</span>
  <span class="star">&#9733;</span>
  <span class="star">&#9733;</span>
  <span class="star">&#9733;</span>
  <span class="star">&#9734;</span>
</div>
<p class="price">$19.99</p>
  <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>
</div>

```

```

<!-- Book 2 -->

```

```

<div class="bestseller-box">

```

```

<img src=
"https://i.pinimg.com/564x/49/a5/5d/49a55d7a093a66d8c2d7f03e584665f5.jpg"
alt="Book 2">
  <h3>The Laws Of Human Nature </h3>
  <p>Robert Green</p>
  <div class="rating">
    <span class="star">&#9733;</span>
    <span class="star">&#9733;</span>
    <span class="star">&#9733;</span>
    <span class="star">&#9733;</span>
    <span class="star">&#9734;</span>
  </div>
  <p class="price">$24.99</p>
    <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>
  </div>

```

```

<!-- Book 3 -->

```

```

<div class="bestseller-box">

```

```


  <h3>The Lean Startup </h3>
  <p>Eric Ries</p>
  <div class="rating">
    <span class="star">&#9733;</span>
    <span class="star">&#9733;</span>
    <span class="star">&#9733;</span>
    <span class="star">&#9733;</span>
    <span class="star">&#9734;</span>
  </div>
  <p class="price">$29.99</p>

```

```

        <button class="add-to-cart" ><a href="add_to_cart.html" class="add-to-cart">Add to
Cart</a></button>
    </div>
</div>
</section>
</body>
</html>

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Add to Cart</title>
    <link href="https://fonts.googleapis.com/css2?family=Great+Vibes&display=swap"
rel="stylesheet">
    <link href="https://fonts.googleapis.com/css2?family=Emilys+Candy&display=swap"
rel="stylesheet">
    <style>
        body {
            margin: 0;
            font-family: 'Emilys Candy', cursive;
            background-color: #F2E5D3; /* Champagne */
        }

        .green-band {
            background-color: #6F927F; /* Cactus green */
            padding: 20px;
            text-align: center;
        }

        .header-text {
            color: #FFFFFF; /* White */
        }

        .special-text {
            color: #F2E5D3; /* Champagne */
        }

        .navbar {
            background-color: #F2E5D3; /* Champagne */
            text-align: center;
        }

        .navbar-list {
            list-style-type: none;
            padding: 0;
            display: flex;

```

```

    justify-content: center;
}

.nav-link {
    display: block;
    padding: 5px 30px;
    color: black; /* White */
    text-decoration: none;
    border: 4px solid #FFFFFF; /* White */
    border-radius: 20px;
    margin: 0 20px;
    transition: background-color 0.3s, color 0.3s;
}

.nav-link:hover {
    background-color: #4C704E; /* Darker green */
}

.dropdown {
    position: relative;
}

.dropdown-menu {
    position: absolute;
    top: 100%;
    left: 50%;
    transform: translateX(-50%);
    background-color: #6F927F; /* Cactus green */
    border: 2px solid #FFFFFF; /* White */
    border-radius: 20px;
    padding: 5px 0;
    display: none;
}

.dropdown:hover .dropdown-menu {
    display: block;
}

.dropdown-link {
    display: block;
    padding: 10px 20px;
    color: #FFFFFF; /* White */
    text-decoration: none;
    border-radius: 20px;
    transition: background-color 0.3s, color 0.3s;
}

.dropdown-link:hover {

```

```

    background-color: #4C704E; /* Darker green */
}

.form-container {
    max-width: 600px;
    margin: 50px auto; /* Adjusted margin */
    padding: 20px;
    background-color: #FFFFFF;
    border-radius: 10px;
    box-shadow: 0px 0px 20px 2px grey; /* Shadow */
}

.form-input {
    margin-bottom: 20px;
    width: calc(100% - 20px); /* Adjusted width */
    padding: 10px;
    border: 1px solid #ccc;
    border-radius: 5px;
}

.form-button {
    background: linear-gradient(to right, #6F927F, #4C704E);
    color: white;
    padding: 10px 20px;
    border: none;
    border-radius: 5px;
    cursor: pointer;
    transition: background-color 0.3s;
}

.form-button:hover {
    background: #4C704E; /* Darker green */
}

.form-title {
    text-align: center;
    font-family: 'Great Vibes', cursive;
    color: #6F927F; /* Cactus green */
    font-size: 28px;
    margin-bottom: 20px;
}
</style>
</head>
<body>
    <header class="green-band">
        <h1 class="header-text"><a href="HOME.html" style="text-decoration: none; color: inherit;
cursor: pointer;">Book Buddy<span class="special-text">、°*~</span></a></h1>
    </header>

```

```

<nav class="navbar">
  <ul class="navbar-list">
    <li><a href="HOME.html" class="nav-link">Home</a></li>
    <li><a href="Search.html" class="nav-link">Search</a></li>
    <li><a href="Recommendation.html" class="nav-link">Recommendations</a></li>
    <li class="dropdown">
      <a href="#" class="nav-link">Genre</a>
      <ul class="dropdown-menu">
        <li><a href="Self_help" class="dropdown-link">Self-Help</a></li>
        <li><a href="Romance.html" class="dropdown-link">Romance</a></li>
        <li><a href="Fantasy.html" class="dropdown-link">Fantasy</a></li>
        <li><a href="Comics.html" class="dropdown-link">Comics</a></li>
      </ul>
    </li>
  </ul>
</nav>

<div class="form-container">
  <h2 class="form-title">Add to Cart & Place Order</h2>
  <form action="#" method="POST" id="orderForm" onsubmit="return validateForm()">
    <input type="text" class="form-input" name="username" id="username"
placeholder="Username (at least 5 characters, alphanumeric)" required>
    <input type="password" class="form-input" name="password" id="password"
placeholder="Password (at least 8 characters, one uppercase, one lowercase, one number, one
special character)" required>
    <input type="password" class="form-input" name="confirm_password"
id="confirm_password" placeholder="Confirm Password" required>
    <input type="text" class="form-input" name="first_name" id="first_name"
placeholder="First Name" required>
    <input type="text" class="form-input" name="last_name" id="last_name"
placeholder="Last Name" required>
    <input type="text" class="form-input" name="address" id="address"
placeholder="Address" required>
    <input type="email" class="form-input" name="email" id="email" placeholder="Email"
required>
    <textarea class="form-input" name="extra_notes" id="extra_notes" placeholder="Extra
Notes"></textarea>
    <input type="text" class="form-input" name="country" id="country"
placeholder="Country (alphabets only)" required>
    <input type="text" class="form-input" name="postal_code" id="postal_code"
placeholder="Postal Code (e.g., 12345 or 12345-6789)" required>
    <p>Cash on Delivery</p>
    <button type="submit" class="form-button">Place Order</button>
  </form>
</div>

<script>
  function validateForm() {

```

```

var username = document.getElementById("username").value;
var password = document.getElementById("password").value;
var confirm_password = document.getElementById("confirm_password").value;
var first_name = document.getElementById("first_name").value;
var last_name = document.getElementById("last_name").value;
var address = document.getElementById("address").value;
var email = document.getElementById("email").value;
var extra_notes = document.getElementById("extra_notes").value;
var country = document.getElementById("country").value;
var postal_code = document.getElementById("postal_code").value;

var usernameRegex = /^[a-zA-Z0-9]{5}$/;
var passwordRegex = /^(?=.*\d)(?=.*[a-z])(?=.*[A-Z])(?=.*[a-zA-Z]).{8}$/;
var emailRegex = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;
var countryRegex = /^[a-zA-Z\s]+$/;
var postalCodeRegex = /^\d{5}(:[-\s]\d{4})?$/;

if (!username.match(usernameRegex)) {
    alert("Username must be at least 5 characters long and contain only alphanumeric characters.");
    return false;
}

if (!password.match(passwordRegex)) {
    alert("Password must be at least 8 characters long and contain at least one uppercase letter, one lowercase letter, one number, and one special character.");
    return false;
}

if (password !== confirm_password) {
    alert("Passwords do not match!");
    return false;
}

if (!country.match(countryRegex)) {
    alert("Country name should contain only alphabets.");
    return false;
}

if (!postal_code.match(postalCodeRegex)) {
    alert("Postal code format should be either '12345' or '12345-6789'.");
    return false;
}

if (!email.match(emailRegex)) {
    alert("Invalid email format.");
    return false;
}

```

```

        saveToFile();
        return true;
    }

    function generateOrderId() {
        return 'ORD' + Date.now();
    }

    function saveToFile() {
        var formData = {
            username: document.getElementById("username").value,
            password: document.getElementById("password").value,
            first_name: document.getElementById("first_name").value,
            last_name: document.getElementById("last_name").value,
            address: document.getElementById("address").value,
            email: document.getElementById("email").value,
            extra_notes: document.getElementById("extra_notes").value,
            country: document.getElementById("country").value,
            postal_code: document.getElementById("postal_code").value,
            order_id: generateOrderId()
        };

        var xhr = new XMLHttpRequest();
        xhr.onreadystatechange = function () {
            if (xhr.readyState === XMLHttpRequest.DONE) {
                if (xhr.status === 200) {
                    var existingData = JSON.parse(xhr.responseText);
                    existingData.push(formData);
                    saveDataToFile(existingData);
                } else {
                    saveDataToFile([formData]);
                }
            }
        };
        xhr.open("GET", "order_data.json", true);
        xhr.send();
    }

    function saveDataToFile(data) {
        var dataStr = JSON.stringify(data);
        var blob = new Blob([dataStr], { type: 'application/json' });
        var a = document.createElement("a");
        var url = window.URL.createObjectURL(blob);
        a.href = url;
        a.download = "order_data.json";
        document.body.appendChild(a);
        a.click();
    }

```



```

        document.body.removeChild(a);
        window.URL.revokeObjectURL(url);
        showCongratulations(data[data.length - 1].first_name, data[data.length - 1].last_name,
data[data.length - 1].order_id);
    }

    function showCongratulations(firstName, lastName, orderId) {
        alert("Congratulations " + firstName + " " + lastName + ", your order has been placed with
the order ID: " + orderId);
    }
</script>
</body>
</html>

```

TEST CASES

The following test cases are designed to validate the functionality, performance, and usability of the Book Buddy platform. Each test case includes a description, preconditions, test steps, expected results, and actual results (to be filled in during testing).

1. User Registration Test Cases

Test Case 1: Successful User Registration

- Description: Verify that a user can successfully register with valid details.
- Preconditions: The registration page is accessible.
- Test Steps:
 1. Navigate to the registration page.
 2. Enter a valid username, email, and password.
 3. Click the "Register" button.
- Expected Result: The user is registered successfully, and a confirmation message is displayed.

Test Case 2: Registration with Existing Email

- Description: Verify that the system prevents registration with an already registered email.
- Preconditions: The email is already registered in the system.
- Test Steps:
 1. Navigate to the registration page.
 2. Enter the existing email and a new username and password.
 3. Click the "Register" button.
- Expected Result: An error message is displayed indicating that the email is already in use.

2. User Login Test Cases

Test Case 3: Successful User Login

- Description: Verify that a user can log in with valid credentials.
- Preconditions: The user is registered.
- Test Steps:
 1. Navigate to the login page.
 2. Enter the registered email and password.
 3. Click the "Login" button.
- Expected Result: The user is logged in successfully and redirected to the homepage.

Test Case 4: Login with Incorrect Password

- Description: Verify that the system prevents login with an incorrect password.
- Preconditions: The user is registered.
- Test Steps:
 1. Navigate to the login page.
 2. Enter the registered email and an incorrect password.
 3. Click the "Login" button.
- Expected Result: An error message is displayed indicating that the credentials are incorrect.

3. Book Management Test Cases

Test Case 5: Search for a Book

- Description: Verify that users can search for books by title.
- Preconditions: The book database is populated with books.
- Test Steps:
 1. Navigate to the homepage.
 2. Enter a book title in the search bar.
 3. Click the "Search" button.
- Expected Result: The search results display the relevant books matching the title.

Test Case 6: View Book Details

- Description: Verify that users can view details of a selected book.
- Preconditions: The book is available in the database.
- Test Steps:
 1. Search for a book.
 2. Click on the book title from the search results.
- Expected Result: The book detail page displays the book's information, including title, author, genre, and reviews.

4. Review and Rating Test Cases

Test Case 7: Submit a Review

- Description: Verify that users can submit a review for a book.
- Preconditions: The user is logged in and has viewed a book.
- Test Steps:
 1. Navigate to the book detail page.
 2. Enter a rating and comment in the review form.
 3. Click the "Submit Review" button.
- Expected Result: The review is submitted successfully and displayed on the book detail page.

Test Case 8: Edit a Review

- Description: Verify that users can edit their submitted reviews.
- Preconditions: The user has submitted a review for a book.
- Test Steps:
 1. Navigate to the book detail page.
 2. Click the "Edit" button next to the review.
 3. Modify the rating and comment.
 4. Click the "Update Review" button.
- Expected Result: The review is updated successfully, and the changes are reflected on the book detail page.

5. Community Interaction Test Cases

Test Case 9: Create a New Forum Thread

- Description: Verify that users can create a new thread in the community forum.
- Preconditions: The user is logged in.
- Test Steps:
 1. Navigate to the community forum page.
 2. Click the "Create New Thread" button.
 3. Enter a title and content for the thread.
 4. Click the "Post" button.
- Expected Result: The new thread is created successfully and displayed in the forum.

Test Case 10: Reply to a Forum Thread

- Description: Verify that users can reply to an existing thread.
- Preconditions: The user is logged in and a thread exists.
- Test Steps:
 1. Navigate to the community forum page.
 2. Click on an existing thread.
 3. Enter a reply in the comment box.
 4. Click the "Reply" button.
- Expected Result: The reply is posted successfully and displayed under the thread.

6. Performance Test Cases

Test Case 11: Load Testing

- Description: Verify that the system can handle a specified number of concurrent users.
- Preconditions: The application is deployed and accessible.
- Test Steps:
 1. Simulate multiple users (e.g., 10,000) accessing the homepage simultaneously.
- Expected Result: The application remains responsive, and page load times do not exceed 2 seconds.

Test Case 12: Stress Testing

- Description: Verify the system's behavior under extreme load conditions.
- Preconditions: The application is deployed and accessible.
- Test Steps:
 1. Gradually increase the number of concurrent users until the system fails.
- Expected Result: The system should handle the load gracefully, and any failures should be logged for analysis.

5. RESULTS

The implementation of the Book Buddy website aims to create a robust platform for book recommendations, community engagement, and educational resources. Below are the expected results and outcomes from the implementation process:

1. Functional Outcomes

- **User Registration and Authentication:**
 - Users can successfully register, log in, and manage their profiles.
 - Secure authentication is implemented using JWT, ensuring user data protection.
- **Personalized Book Recommendations:**
 - The recommendation engine provides tailored book suggestions based on user preferences and reading history.
 - Users can rate and review books, influencing future recommendations.
- **Search and Filter Functionality:**
 - Users can efficiently search for books by title, author, genre, and keywords.
 - Advanced filtering options allow users to narrow down search results effectively.
- **Community Engagement:**
 - Users can participate in discussion forums, share experiences, and follow other users.
 - The community forum fosters interaction and support among users.
- **Educational Resources:**
 - The platform offers access to articles, guides, and resources related to reading and literacy.
 - Users can bookmark resources for easy access.

2. Performance Metrics

- **User Engagement:**
 - Increased user engagement is expected, with metrics such as daily active users, session duration, and interaction rates in community forums.
 - User feedback and reviews will provide insights into user satisfaction and areas for improvement.
- **System Performance:**
 - The application should maintain a response time of under 2 seconds for most user interactions.
 - The system should handle at least 10,000 concurrent users without significant performance degradation.
- **Scalability:**
 - The architecture allows for horizontal scaling, enabling the addition of more servers as user demand grows.
 - The database can be scaled to accommodate an increasing number of books and user data.

3. User Feedback and Satisfaction

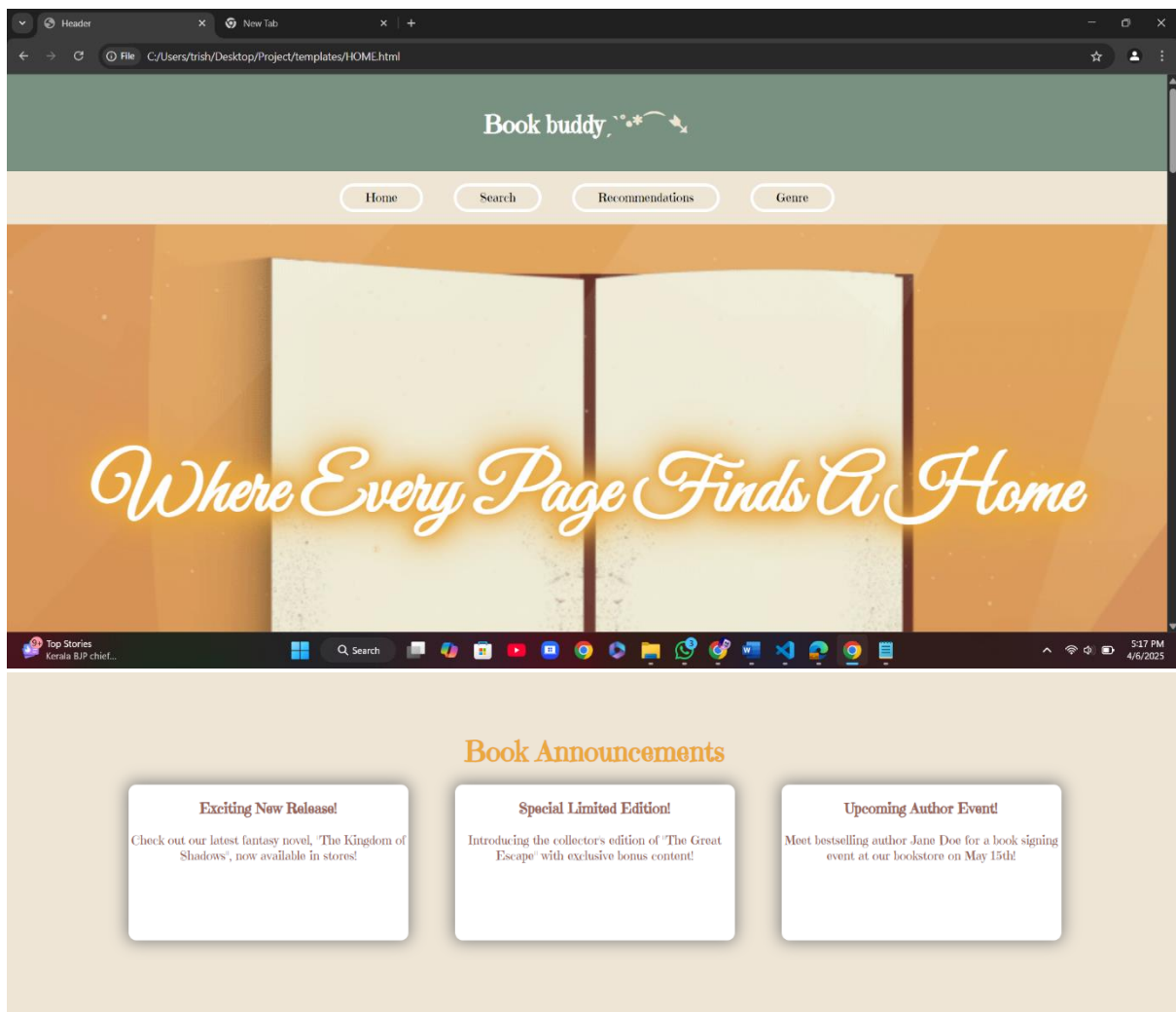
- **User Acceptance Testing (UAT):**
 - Feedback from UAT will be collected to assess user satisfaction with the platform's features and usability.
 - Positive feedback will indicate that the platform meets user needs and expectations.
- **Continuous Improvement:**

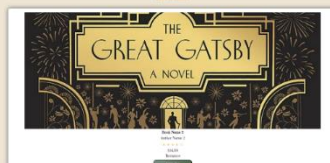
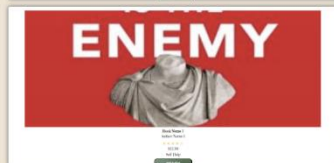
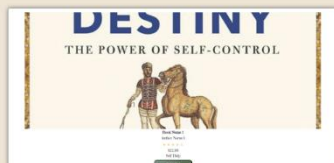
- User feedback will be used to refine features, enhance the user experience, and address any identified issues.
- Regular updates and new features will be implemented based on user suggestions and industry trends.

4. Educational Impact

- Literacy Promotion:
 - The platform aims to promote literacy by providing diverse reading materials and encouraging users to explore new genres and authors.
 - Educational resources will help users improve their reading skills and knowledge.
- Community Support:
 - The community aspect of the platform will provide emotional and informational support to users, particularly those facing challenges related to reading or literacy.

5.1 OUTPUT SCREENS





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Our Recommendations

The Unfair Advantage
Hassan Kubba
★★★★☆
\$19.99
[Add to Cart](#)

Influence: The Psychology of Persuasion
Robert B. Cialdini
★★★★☆
\$24.99
[Add to Cart](#)

Good to Great
Jim Collins
★★★★☆
\$29.99
[Add to Cart](#)

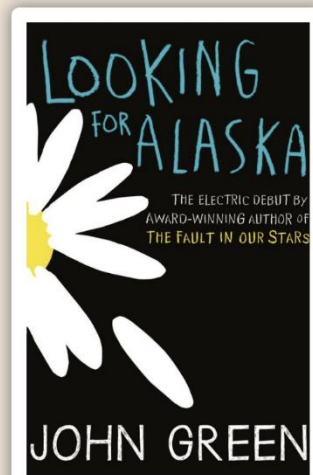
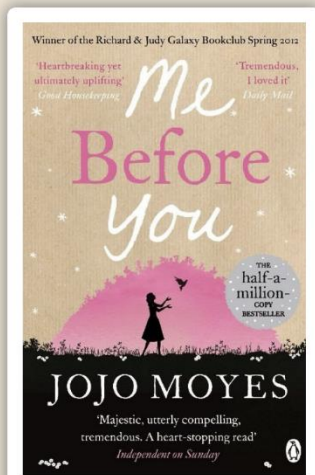
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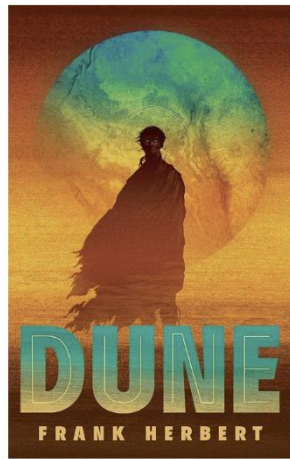
Self Help - Growth - Positivity



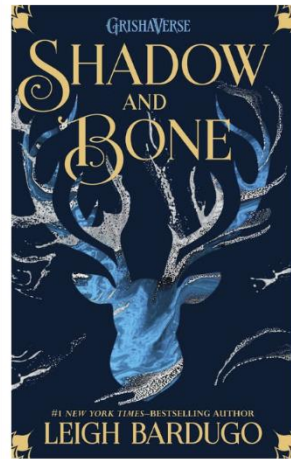
Romance Books



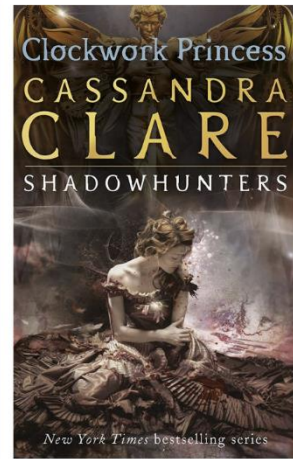
Fantasy Books



Dune



Shadow and Bone



The Infernal Devices 3: Clockwork Princess

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Recommendations

Genre



Comics(American) - Manga(Japanese) - Manhwa(Korean)



The Promised Neverland
Manga



Blue Period
Manga



Mystic Messengers
Manhwa Comic

6. CONCLUSION:

In conclusion, Book Buddy represents a significant step forward in creating a dynamic and interactive platform for book lovers. By combining technology with a passion for reading, the platform not only enhances the user experience but also contributes to a culture of literacy and community engagement. The successful implementation of this project lays the groundwork for future growth and innovation, ensuring that Book Buddy remains a valuable resource for readers for years to come.

7.REFERENCES

Here are some references that can be used to support the development and implementation of the Book Buddy platform, covering topics such as recommendation systems, user experience design, and community engagement in digital platforms:

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These references provide a solid foundation for understanding the principles and practices that underpin the design, development, and implementation of the Book Buddy platform. They can be used to support the various aspects of the project, from recommendation algorithms to user experience design and community engagement strategies.

Project Link : https://github.com/trishank0104/Batch-06_FP.git

