E-Book Selling Platform Documentation

Overview

This document outlines the requirements and specifications for an e-book selling platform, including admin functionalities, user interactions, and website features. The platform allows users to browse, purchase, and read e-books, while providing admin tools for managing products, orders, and users.

Admin Panel

Super Admin

- Role: Manages the entire platform with full access to all features.
- Functions:
  - Add, edit, or remove admin accounts.
  - Monitor and manage all platform activities (products, orders, users).

Admin Login

- Login Credentials:
  - Email ID: Unique email address for admin authentication.
  - Password: Secure password for login.
- Features:
  - Secure login with email and password.
  - Password recovery option.
  - Session management for secure access.

Product Management

1. E-Book Add:
   - Fields:
     - Title: Name of the e-book.
     - Author: Name of the author(s).
     - Price: Cost of the e-book.
     - Description: Brief summary or details of the e-book.
     - Cover Image: Upload image for e-book thumbnail.
     - PDF File: Upload the e-book file in PDF format.
     - Category/Genre: e.g., Fiction, Non-Fiction, Education.

- Functionality:
  - Form to input e-book details.
  - Validation for mandatory fields and file formats (PDF for e-book, PNG/JPG for cover).
  - Option to preview before saving.
2. E-Book List:
  - Display all e-books in a table format.
  - Columns:
    - Title, Author, Price, Category, Date Added, Status (Active/Inactive).
  - Features:
    - Search and filter by title, author, or category.
    - Edit or delete e-books.
    - Toggle e-book visibility (Active/Inactive).

Order Management

1. Last 15 Days Orders:
  - Display orders from the past 15 days.
  - Columns:
    - Order ID, User Name, Email, Date, Total Amount, Status (Pending, Completed, Cancelled).
  - Features:
    - Filter by status or date.
    - Search by Order ID or User Email.
2. Order Details:
  - Details Displayed:
    - Order ID, User Details (Name, Email), E-Book(s) Purchased, Quantity, Total Amount, Payment Status, Order Date.
    - Download link for purchased e-book (if applicable).
  - Features:
    - Update order status (e.g., mark as Completed or Cancelled).
    - View payment transaction details.
3. Order List:
  - Comprehensive list of all orders.
  - Similar features to "Last 15 Days Orders" but includes all historical orders.

User Management

- User List:
  - Display all registered users in a table.
  - Columns:

- User ID, Name, Email, Registration Date, Status (Active/Banned).
  - Features:
    - Search by Name or Email.
    - Edit user details (e.g., reset password, update email).
    - Ban or activate user accounts.

Website Features

E-Book List Page

- Purpose: Display all available e-books for purchase.
- Features:
  - Grid or list view of e-books with cover images, titles, authors, and prices.
  - Filters: By category, price range, or author.
  - Search bar for finding e-books by title or author.
  - Pagination or infinite scroll for large catalogs.
  - Sorting options: Price (low to high, high to low), Newest, Popularity.

E-Book Details Page

- Purpose: Provide detailed information about a specific e-book.
- Content:
  - Cover image, title, author, price, description, and category.
  - Preview option (e.g., sample pages or first chapter in PDF viewer).
  - Customer reviews and ratings (if applicable).
- Actions:
  - Add to Cart: Add e-book to the shopping cart.
  - Buy Now: Proceed directly to checkout.

Add to Cart or Buy Now (Without Login)

- Functionality:
  - Users can add e-books to the cart or proceed to checkout without logging in.
  - Guest checkout option: Collects minimal information (e.g., email for order confirmation).
  - If user logs in during checkout, cart items are linked to their account.
- Cart Features:
  - View cart: List of selected e-books, quantities, and total price.
  - Update quantities or remove items.

- ○ Proceed to checkout button.

Checkout Process

- ● Steps:
    - ○ Cart Review: Display selected e-books, quantities, and total price.
    - ○ User Information: Collect name, email, and payment details (guest or logged-in user).
    - ○ Payment: Integration with payment gateways (e.g., Stripe, PayPal).
    - ○ Order Confirmation: Display order summary and estimated delivery details.
- ● Post-Checkout:
    - ○ Send Order Confirmation Email to the user with:
        - ■ Order ID, purchased e-book(s), total amount, and payment status.
        - ■ Instructions to access the e-book (login or direct link).

E-Book Access

- ● E-Book Link:
    - ○ After purchase, users receive a secure link to access the e-book.
    - ○ Access Method:
        - ■ Users must log in with their email and password to view the e-book.
        - ■ Guest users are prompted to create an account using the checkout email.
- ● E-Book Viewing:
    - ○ View or Read Button: Redirects to a PDF viewer embedded in the website.
    - ○ PDF Viewer Features:
        - ■ Display e-book in a secure, non-downloadable PDF viewer.
        - ■ Basic controls: Zoom, page navigation, full-screen mode.
        - ■ Prevent unauthorized downloading or copying (e.g., disable right-click, use DRM if needed).

Technical Requirements

- ● Frontend:
    - ○ Framework: React.js with Tailwind CSS for responsive design.
    - ○ PDF Viewer: Use libraries like react-pdf for embedded PDF viewing.
- ● Backend:
    - ○ Framework: Node.js with Express or Django for API development.

- - Database: MySQL or MongoDB for storing user, product, and order data.
    - Authentication: JWT or OAuth for secure user and admin login.
  - Payment Integration:
    - Stripe, PayPal, or similar for secure transactions.
  - Security:
    - HTTPS for all communications.
    - Secure PDF access with DRM or restricted download options.
    - Password hashing (e.g., bcrypt) for user and admin credentials.
  - Email Service:
    - Use services like SendGrid or AWS SES for sending order confirmation emails.
  - Hosting:
    - Cloud platform (e.g., AWS, Google Cloud) for scalability.
    - CDN for faster delivery of static assets (e.g., cover images).

User Flow

1. Browse: User visits the E-Book List page, applies filters, or searches for e-books.
2. View Details: User clicks an e-book to see its details and preview.
3. Add to Cart/Buy Now: User adds e-book(s) to cart or proceeds to checkout.
4. Checkout: User provides details, completes payment, and receives confirmation.
5. Access E-Book: User logs in, clicks the "View or Read" button, and views the e-book in the PDF viewer.

Admin Flow

1. Login: Admin logs in using email and password.
2. Manage Products: Add, edit, or remove e-books.
3. Monitor Orders: View recent or all orders, update statuses, and check details.
4. Manage Users: View user list, edit details, or ban accounts.

Future Enhancements

- Wishlist: Option to save e-books for later purchase.

- Multi-Format Support: Support for EPUB or other e-book formats.
- Mobile App: Dedicated app for iOS and Android with offline reading capabilities.