

## Web Development Internship Program

### Task 2: Frontend Development for Book Selling Website

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#### Objective:

The goal of this task is to build a user-friendly and responsive frontend for a book-selling website. You will practice creating interactive UI components and designing a clean layout using HTML, CSS, and JavaScript. This project will help you enhance your frontend development skills.

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#### Instructions:

1. Develop the complete user interface (UI) for a book-selling website.
  2. Focus on creating responsive and attractive designs.
  3. Use **HTML**, **CSS**, and **JavaScript** for frontend development.
  4. Ensure consistency and good UX throughout the application.
  5. Submit the project as a ZIP file or upload it to a GitHub repository.
  6. Include a `README.md` file with setup and usage instructions.
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#### Technologies to Use:

- **Frontend:** HTML, CSS, JavaScript
  - **Styling:** Bootstrap or Tailwind CSS for responsiveness
  - **Icons:** Font Awesome or any other icon library
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#### Project Requirements:

##### *1. Project Title: Book Selling Website - User Interface*

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##### *2. Functional Requirements:*

###### 1. Home Page:

- Display a welcome message and featured books.
- Navigation bar with links to Home, Books, Login, and Register.
- Search bar to find books by title or author.

## 2. Books Catalog Page:

- List of available books with images, titles, authors, and prices.
- "View Details" button to open the book details page.
- Pagination to browse through multiple books.

## 3. Book Details Page:

- Display detailed information about a selected book (title, author, description, price).
- "Add to Cart" and "Buy Now" buttons.

## 4. Login Page:

- Form to enter username and password.
- "Login" button and a link to the registration page.

## 5. Registration Page:

- Form to enter name, email, username, and password.
- "Register" button and a link to the login page.

## 6. User Profile Page:

- Display user information (name, email) and a list of purchased books.
- "Edit Profile" button to update user information.

## 7. Cart Page:

- List of books added to the cart with their prices.
- Total price calculation and a "Checkout" button.

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## 3. Project Structure:

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graphql
CopyEdit
book-selling-ui/
├── index.html           # Homepage
├── books.html           # Books catalog page
├── book-details.html    # Individual book details page
├── login.html           # Login page
├── register.html        # Registration page
├── profile.html         # User profile page
├── cart.html            # Cart page
├── css/
│   └── styles.css      # Main stylesheet
└── js/
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|   └─ script.js           # JavaScript for interactivity
|   └─ images/             # Folder for book images and icons
|   └─ README.md           # Project documentation
```

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## 4. Design Guidelines:

- Use a **consistent color scheme** throughout the website.
  - Make the design **responsive** and mobile-friendly.
  - Use **card layouts** to display book information.
  - Include **hover effects** on buttons and cards.
  - Use a **fixed navigation bar** at the top.
  - Utilize **media queries** to adjust the layout on smaller screens.
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## Example Features:

- **Search Bar:** Type a book title or author to filter the list.
  - **Add to Cart Button:** Adds the selected book to the cart.
  - **Dynamic Cart Update:** Update the total price as books are added or removed.
  - **Responsive Design:** Adjusts the layout for desktop and mobile views.
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## Bonus Points:

- Implement client-side form validation (e.g., checking if fields are empty).
  - Add animations for page transitions and button clicks.
  - Use a **carousel** on the homepage to showcase featured books.
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