**Project Code Documentation: BookBreeze Website**

**Introduction**

This document provides a descriptive overview of the HTML and CSS and javascript code for the BookBreeze website. The code is designed for a responsive and visually appealing book-related platform. The website includes a navigation bar, hero section, popular book categories, a pricing section, and a footer with social and security links.

**Technologies Used**

* HTML
* CSS
* JavaScript (External script: **app.js**)
* Font Awesome

**HTML Structure**

1. **Document Type Declaration (<!DOCTYPE html>):**
   * Specifies the document type and HTML version.
2. **HTML Root Element (<html>):**
   * Language attribute set to English (**en**).
3. **Head Section (<head>):**
   * Character set and viewport meta tags.
   * External CSS (**styles.css**) and Font Awesome links.
   * Website title: "BookBreeze."
4. **Body Section (<body>):**
   * Main container (**<main>**) holds all the website content.
5. **Navigation Section (<nav>):**
   * Responsive navigation bar with a logo, toggle button, and links.
   * Links include sections like Home, Book Genres, Buy Here, Contact Us, and Login.
6. **Hero Section (<section id="hero-container">):**
   * Consists of an image container (**<div id="hero-img-container">**) and a text container (**<div id="hero-text">**).
   * Displays a background image and textual content with a call-to-action button.
7. **Categories Section (<section id="categories">):**
   * Displays popular book categories with images, category names, and buttons to view more.
8. **Pricing Section (<section id="pricing">):**
   * Provides a pricing section with a heading, filtering buttons (dynamically generated), and an area to display book information.
9. **Footer Section (<footer id="social-contact-footer">):**
   * Divided into four columns containing website links, social media links, security links, and copyright information.
10. **Script Section (<script src="./app.js"></script>):**
    * References an external JavaScript file (**app.js**

**CSS Structure (styles.css)**

* Defines global styles for the HTML document.
* Includes responsive styling for navigation, hero section, book categories, pricing, and footer.
* Utilizes flexbox and grid for layout design.
* Implements media queries for responsiveness on various screen sizes.

**JavaScript (app.js) Integration**

**Toggle Button Logic**

* A toggle button logic has been implemented to show/hide the navigation links when the button is clicked.

**Pricing Section Logic**

* An array (**bookmenu**) containing book details has been defined.
* The code dynamically generates HTML for each book and displays it in the pricing section.
* A function (**priceConverterFunc**) has been created to convert the price from Rupees to Dollars.
* Buttons for filtering books by category have been added.

**Conclusion**

The provided HTML and CSS code forms the foundation of the BookBreeze website, offering a visually appealing and responsive design. The use of Font Awesome icons enhances the overall aesthetics, while the modular structure allows for easy maintenance and future enhancements.

The integration of JavaScript enhances the BookBreeze website by adding dynamic functionality. The toggle button enables better navigation on smaller screens, while the pricing section dynamically displays book details. The filtering buttons allow users to explore books based on different categories, creating a more interactive and user-friendly experience.