**Kali Cafe Webpage Documentation**

**Overview**

The Kali Cafe webpage is a simple yet visually appealing website designed to present the cafe’s menu, about section, and contact details. The page employs HTML for structure and CSS for styling, ensuring a user-friendly interface with a modern design.

1. **HTML Structure**
   1. **Document setup**

* The webpage is defined as an HTML5 document (<!DOCTYPE html>).
* The meta tags define character encoding (UTF-8) and viewport settings for responsiveness.
* The page title is set as Kali Cafe.
  1. **Navigation Bar**
* A fixed navigation bar (<nav>) is positioned at the top of the page.
* Includes a logo (<img> inside .
* Navigation links (#home, #about, #contact, #menu).
  1. **Home Section**
* Contains a back ground image (pastry1.avif).
* Displays a welcome message (WELCOME TO KALI CAFE).
* Descriptive text introduces the cafe theme.
  1. **About section**
* Includes a heading (About Us) styled with a coloured background.
* Describes the cafe’s location, mission, and specialty offerings.
  1. **Menu Section**
* Lists drinks and pastries in a grid layout.
* Each menu item is wrapped in #menu-card, containing:

1. An image (<img class="drinkimage">).
2. The name of the item (<p> tag).
3. The price (<p> tag).

* #menu-card has hover effects to scale up and add shadow.
  1. **Contact Section**
* Displays contact details with an emphasis on social media icons.
* Uses flexbox for alignment.
* Includes a working contact form for user inquiries.
  1. **Footer Section**
* Includes three sections (footer-left, footer-center, footer-bottom).
* Displays social media links with interactive hover effects.
* Fixed at the bottom of the page.

1. **CSS Styling**
   1. **Global Styles**

* Sets default margin, padding, and font-family (Arial, sans-serif).
* Applies box-sizing: border-box for consistent element sizing.
  1. **Navigation Bar Styles**
* Fixed positioning with a white background and box shadow.
* Flexbox used for spacing (gap: 42px).
* Logo is circular (border-radius: 50%).
* Hover effects added to links (text-decoration: underline).
  1. **Home Section Styles**
* Full viewport height (height: 100vh).
* Background image covers the entire section (background-size: cover).
* z-index ensures welcome text overlays the background.
  1. **Menu Section Styles**
* Background color set to light gray (#f8f8f8).
* Grid layout for drinks and pastries (grid-template-columns: repeat(auto-fit, minmax(200px, 1fr))).
* #menu-card includes:

1. Rounded corners (border-radius: 10px).
2. Shadow effects (box-shadow: 0px 4px 8px rgba(0, 0, 0, 0.1)).
3. Hover animations (transform: scale(1.05)).
   1. **Footer Styles**

* Background color set to dark gray (#333).
* Text color set to white.
* Flexbox used for layout (display: flex; flex-direction: column).
* Social media icons have hover scaling effects.
  1. **Responsive Design**
* Media queries adjust padding and font sizes for smaller screens (max-width: 768px).
* Ensures optimal readability and layout on mobile devices.
* Implements a dark mode toggle for improved accessibility.

1. **Features implemented**

* Fixed navigation bar for easy access.
* Grid-based menu layout.
* Hover effects for interactive UI.
* Social media icons in the footer.
* Box-shadow and hover animations for enhanced visuals.
* Careful selection of images and placement.
* Structured layout with clear navigation.

1. **Implementation of CRAP**

The C.R.A.P. (Consistency, Repetition, Alignment, and Proximity) principles are essential for ensuring a well-structured, user-friendly, and visually appealing system. Below is how these principles have been applied in our project:

* 1. **Consistency**
* The design follows a uniform color scheme, typography, and layout across all pages.
* UI components such as buttons, input fields, and navigation bars maintain a standard style, ensuring a predictable user experience.
* Code follows a consistent naming convention for variables, functions, and file structures to improve readability and maintainability.
  1. **Repetition**
* Common UI elements, such as headers, footers, and sidebars, are repeated across different views to create familiarity.
* The codebase uses modular components and reusable functions to avoid redundancy and maintain efficiency.
* Error handling follows a standardized message format, ensuring users receive uniform feedback across different sections of the application.
  1. **Alignment**
* All UI elements are carefully aligned to ensure a clean and structured look, enhancing usability.
* Forms, buttons, and text blocks follow a grid system, improving readability and reducing clutter.
* In the codebase, indentation and spacing follow standardized formatting guidelines to ensure readability and maintainability.
  1. **Proximity**
* Related elements, such as labels and input fields, are grouped together for better usability.
* Navigation links and action buttons are positioned close to the content they affect, minimizing user effort.
* In the backend, related functions and modules are kept within the same directory structure to enhance organization and maintainability.

1. **Conclusion**

The Kali Cafe webpage provides a visually appealing and functional cafe website.

With a structured layout, clean navigation, and interactive features, it creates an engaging experience for visitors by applying the CRAP principles thus ensuring the project maintains a user-friendly and professional appearance while at the same time enhancing code maintainability and readability.