**KTM WEBSITE**

**Project Title : Project KTM**

**Project Start : 14-08-2024**

**Project End : 17-08-2024**

**Project Duration : 4 Days**

**Project Properties : Html, Css, JQuery, Bootstrap.**

**Media Properties : Images From (KTM.Com)**

**Project Build By**

**Gowtham J**

## **1. Project Overview**

**Project Name : [Project KTM]  
Description : This document outlines the details of the responsive website project, including the technologies used, project structure, and design considerations.**

## **2. Technologies Used**

* **HTML: The markup language used to structure the web content.**
* **CSS: The style sheet language used to control the look and layout of the website.**
* **Bootstrap: A front-end framework used to design responsive and mobile-first websites.**
* **jQuery: A JavaScript library used to simplify HTML document traversal, event handling, and animation.**

## **3. Project Structure**

### **3.1. File Organization**

* **index.html: The main HTML file that serves as the entry point of the website.**
* **css/: Directory containing custom CSS files.**
  + **index.css: Main stylesheet for custom styling.**
* **bootstrap/: Here used inline bootstrap codes with CDN link.**
* **images/: Directory for storing images used in the project.**
* **fonts/: Inline Font CDN used in the project.**

### **3.2. Key Files**

* **index.html**
  + **The primary HTML file that includes the layout structure and links to CSS and JavaScript files.**
* **styles.css**
  + **Contains custom styles and overrides for Bootstrap components.**
* **signup.html**
  + **The primary HTML file that includes the layout structure and links to CSS and JavaScript files.**
* **signup.css**
  + **Contains custom styles and overrides for Bootstrap components.**
* **naked.html**
  + **The primary HTML file that includes the layout structure and links to CSS and JavaScript files.**
* **naked.css**
  + **Contains custom styles and overrides for Bootstrap components.**
* **travel.html**
  + **The primary HTML file that includes the layout structure and links to CSS and JavaScript files.**
* **travel.css**
  + **Contains custom styles and overrides for Bootstrap components.**

## **4. Design and Layout**

### **4.1. Layout**

* **Header: Contains the navigation bar and site logo.**
* **Main Content: Central area for displaying the primary content of the website.**
* **Sidebar: Optional section for additional content or links.**
* **Footer: Contains copyright information, contact links, and other relevant details.**

### **4.2. Responsiveness**

* **Media Queries: CSS media queries are used to adjust the layout for different screen sizes.**
* **Bootstrap Grid System: Utilized to create a responsive grid layout that adapts to various screen sizes .**

### **4.3. Typography and Colors**

* **Typography: Specify font families, sizes, and weights. Bootstrap’s typography settings may be customized in styles.css.**
* **Colors: Define primary and secondary color schemes. Custom colors are added to styles.css to match the brand’s identity.**

## **5. Bootstrap Integration**

### **5.1. Setup**

* **Bootstrap CDN: If using a CDN, include the Bootstrap CSS and JS files in the index.html head section.**
* **Local Files: If using local files, ensure that the Bootstrap CSS and JS files are correctly linked in the index.html.**

### **5.2. Components**

* **Navigation Bar: Utilizes Bootstrap’s Navbar component for responsive navigation.**
* **Cards: Used for displaying content in a flexible and responsive layout.**
* **Buttons: Styled with Bootstrap classes for consistent appearance and responsiveness.**

## **6. jQuery Integration**

### **6.1. Setup**

* **jQuery CDN: Include the jQuery library via CDN in the index.html before custom scripts.**
* **Local File: Alternatively, use a local copy of jQuery by including it in the js/ directory.**

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### **6.2. Custom Scripts**

* **Event Handling: Use jQuery to manage user interactions.**
* **Animations: Implement smooth animations and transitions for a better user experience.**

## **7. Development and Testing**

### **7.1. Development Tools**

* **Browser Developer Tools: Use tools provided by browsers (e.g., Chrome DevTools) to debug and test responsive behavior.**

### **7.2. Testing**

* **Responsive Design Testing: Test the website on various devices and screen sizes to ensure proper display.**
* **Cross-Browser Testing: Verify functionality and appearance across different web browsers (e.g., Chrome, Firefox, Safari).**

## **8. Future Enhancements**

* **Additional Features: Consider adding new features based on user feedback and requirements.**
* **Performance Optimization: Continuously improve loading times and performance by optimizing images, scripts, and styles.**

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## **9. Bugs Reporting**

* **Css styling bugs.**
* **Responsive images.**
* **Inline bootstrap property.**
* **Webpage hosting errors.**
* **Media flex.**

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### **9.1. Css styling bugs.**

* **Fonts Not Displaying: Problems with font-family, font-size, or font-weight properties.**
* **Colors Not Showing: Incorrect color codes or conflicting styles.**
* **Borders and Backgrounds: Missing or incorrectly applied border and background styles.**

### **9.2. Responsive images.**

* **Images Not Scaling Properly**
* **Slow Load Times**
* **Browser Compatibility**

### **9.3. Inline bootstrap property.**

* **Style Overriding Issues**
* **Performance Issues.**

### **9.4. Webpage hosting errors.**

* **404 Not Found.**
* **Site Not Loading.**

### **9.5. Media flex.**

* **Media Not Displaying Properly on Smaller Screens.**
* **Flex Item Not Scaling Correctly.**
* **Media Overflowing Flex Container.**