

Web Development 1

Ref. : (reserved to the administration)

Date : (reserved to the administration)

Project Description: City Listing Single Page Application

Create a single page application (SPA) for a city touristic guide website using HTML, CSS, and JavaScript. The focus of this project is on JavaScript, and all data should be managed using a JSON array. The application should allow users to view cities, add new city, remove city, and search/filter cities based on different criteria.

Responsive design is mandatory to ensure the website is accessible on various devices.

Requirements:

1. Banner: Include a banner at the top of the page with a title and a brief description of the website.
2. Menu with Submenus: Create a menu with submenus Cities Display: Display cities based on the selected countries. Initially, display all cities.
3. Add city Form: Include a form to add new city. The form should include fields for city name, country, population, list of places to visit, and an image URL.
4. Remove city: Allow users to remove a city from the list.
5. Search/Filter: Include a search bar to filter cities based on keywords. Also, include filters to display cities based on country.
6. Images and Media Animation: Use images to display cities and include some form of media animation (e.g., carousel, slideshow) to enhance the visual appeal.
7. Contact Us: Include a "Contact Us" section with a form to submit inquiries or feedback.
8. Bonus: Login Page for 2 types of users, Admin/User. Only Admin is allowed to modify list of cities, user only input the rating. If this point is not applied, we can consider the application as a single user app, all actions are allowed for the user.

Data Management:

1. Define all cities in a JSON array.
2. On page load, populate the DOM with cities from the JSON array.
3. Use JavaScript to add, remove, filter, and search cities in the array.