

## Web Development 1

Ref. : (reserved to the administration)

Date : (reserved to the administration)

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### Project Description: Recipe Single Page Application

Create a single page application (SPA) for a recipe 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 recipes, add new recipes, remove recipes, and search/filter recipes 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
3. Recipes Display: Display recipes based on the selected category/subcategory. Initially, display all recipes.
4. Add Recipe Form: Include a form to add new recipes. The form should include fields for recipe name, category, ingredients, instructions, and an image URL.
5. Remove Recipe: Allow users to remove a recipe from the list.
6. Search/Filter: Include a search bar to filter recipes based on keywords. Also, include filters to display recipes based on category.
7. Images and Media Animation: Use images to display recipes and include some form of media animation (e.g., carousel, slideshow) to enhance the visual appeal.
8. Contact Us: Include a "Contact Us" section with a form to submit inquiries or feedback.

#### Data Management:

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