

# Contact Management System Development Report

## Objective:

The goal of this project is to develop a web-based contact management system that enables users to add, edit, and delete contacts. The system will utilize HTML forms to capture contact information, and the data will be stored in a JSON file for simplicity and ease of implementation.

## 1. Project Overview:

### 1.1. Core Features:

Contact Listing: Display a list of contacts with essential details.

Add Contact Form: Provide a form to add new contacts with fields for name, email, phone, etc.

Edit Contact Form: Allow users to modify existing contact information.

Delete Contact: Implement functionality to remove contacts from the list.

## 2. Technologies Used:

HTML: Utilized for structuring the web page and creating forms for user input.

JavaScript: Implemented for handling user input, manipulating the DOM, and managing contact data.

JSON: Used as a simple data storage format to store and retrieve contact information.

## 3. Development Process:

### 3.1. HTML Structure:

Created HTML templates for the contact list, add contact form, and edit contact form.

Designed a user-friendly interface with responsive layouts for various screen sizes.

### **3.2. JavaScript Functionality:**

Developed JavaScript functions to handle user input, manage contact data, and dynamically update the DOM.

Implemented functions for adding, editing, and deleting contacts.

Utilized local storage to store contact data in a JSON format.

### **3.3. Forms and User Input:**

Designed HTML forms to capture contact information, ensuring a logical and intuitive flow.

Implemented form validation to ensure the correctness of user-provided data.

## **4. Testing:**

Conducted thorough testing to ensure the application functions correctly across different browsers and devices.

Checked for proper handling of user input, form validation, and data manipulation.

Tested the responsiveness of the user interface.

## **5. Deployment:**

Deployed the contact management system on a web server for public or private use.

## **6. Future Enhancements:**

Consider implementing user authentication for personalized contact management.

Enhance the application with additional features such as contact categorization or search functionality.

## **7. Conclusion:**

The development of the contact management system successfully achieved its goal of providing users with a straightforward

and efficient tool for managing contacts. The combination of HTML, JavaScript, and JSON for data storage allowed for a lightweight and easy-to-use solution.

This application serves as a practical and accessible contact management solution for users looking for a simple and efficient way to organize their contact information. Future enhancements may further improve its functionality based on user feedback and evolving requirements.

## 8. OutPut Result :

