# Contacts Management App Documentation

Introduction

The Contacts Management App is a simple web application built using React.js. It allows users to manage their contacts by performing basic CRUD (Create, Read, Update, Delete) operations.

Features

1. **View Contacts**: Displays a list of contacts with their names, mobile numbers, and email addresses.
2. **Add Contact**: Allows users to add new contacts by entering their name, mobile number, and email address.
3. **Edit Contact**: Enables users to edit existing contact details.
4. **Delete Contact**: Allows users to delete contacts from the list.
5. **Search Contacts**: Provides a search functionality to filter contacts by name.

Components

1. **Contacts\_view Component**:
   * This component serves as the main interface for managing contacts.
   * It contains input fields for entering contact details, buttons for saving, updating, and clearing contact data.
   * Displays a search bar for filtering contacts by name.
   * Renders a table to display the list of contacts.

Usage

1. **Adding a Contact**:
   * Enter the contact's name, mobile number, and email address in the respective input fields.
   * Click the "Save" button to add the contact.
   * The contact will be added to the list displayed below.
2. **Editing a Contact**:
   * Click the "Edit" button next to the contact you wish to edit.
   * The contact's details will be populated in the input fields above.
   * Modify the contact details as needed.
   * Click the "Update" button to save the changes.
3. **Deleting a Contact**:
   * Click the "Delete" button next to the contact you want to delete.
   * A confirmation prompt will appear.
   * Click "OK" to confirm the deletion, or "Cancel" to abort.
4. **Searching for Contacts**:
   * Enter the name of the contact you want to search for in the search bar.
   * The list will be filtered in real-time to display matching contacts.

Dependencies

* React.js: JavaScript library for building user interfaces.
* Bootstrap: Front-end framework for designing responsive and mobile-first websites.
* sample.json: JSON file containing sample contact data.

Conclusion

The Contacts Management App provides a straightforward solution for managing contact information. It offers essential features for adding, editing, deleting, and searching contacts, making it a useful tool for personal or small-scale contact management needs.