

Project Task

Build a “Mini Contact Manager” SPA with the following features:

Core Requirements

Page 1: Contact List

- Fetch data from API: <https://jsonplaceholder.typicode.com/users>
- Display contacts in cards or a table layout
- Each card should show: Name, Email, Phone, Company Name
- Include a search bar to filter by name/email
- Add sorting (alphabetically by name)

Page 2: Contact Details

- On clicking a contact card, navigate to </contacts/:id>
- Show full user details: name, email, phone, website, address, company
- Include a “Back” button

Page 3: Add New Contact

- Simple form with:
 - Name, Email, Phone, Website
 - On submit, save to local state and show in the contact list
 - Form validation (basic)
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UI & UX Requirements

- Fully responsive layout
 - Styled with your choice (Tailwind / CSS / Styled-Components)
 - Show loaders when fetching data
 - Display error if API fails
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Bonus Challenges

(Optional, but major plus if attempted)

- Implement **Context API** for contact list state
 - Add **Dark Mode Toggle** using CSS variables or context
 - Write 2 unit tests (e.g., ContactCard, AddContactForm)
 - Pagination on the contact list
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Technical Stack

- React (Functional components only)
- React Router
- Hooks (`useState`, `useEffect`)
- Optional: Context API, Styled-Components, TailwindCSS