

Frontend Developer (React + JavaScript + CSS + API)

■ Objective

Build a small React application that fetches data from a public API and allows users to view, search, filter, and manage a list of items. The task evaluates React, JavaScript, CSS, and API handling skills.

■ Task Description: 'User Explorer App'

Build a simple React app that allows users to explore a list of users fetched from a public API.

API: <https://jsonplaceholder.typicode.com/users>

■ Requirements

- Fetch and display users from the API in a responsive table or card layout.
- Search users by name or email (real-time).
- Filter users by city (dropdown with dynamic options).
- Clicking a user opens a modal showing detailed info (email, phone, address, company, etc.).
- Bonus: Add/Remove users from favorites and store in localStorage.
- Show loading, error, and empty states properly.
- Use TailwindCSS for styling and responsiveness.
- Optional - Use any styled component library of your choice (Preferable ShadCn).

■ ■ Technical Expectations

- Use React functional components and hooks with TypeScript.
- Use Axios for data fetching.
- Use Zustand/Redux for state management.
- Clean, modular, and reusable component design.

■ Deliverables

- GitHub repository link
- Live demo on Netlify or Vercel

■ Evaluation Criteria

- React: Component structure, hooks usage.
- JavaScript: Logic clarity, clean use of map/filter.
- API Handling: Fetching, async/await, error states.
- CSS/UI: Responsiveness, layout quality.
- Problem Solving: Search and filter implementation.
- Code Quality: Readability and reusability.
- Bonus: LocalStorage, TypeScript, or Zustand usage.