

# User Management Dashboard

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A **responsive ReactJS dashboard** to display and manage user information. Supports **searching users**, **adding users**, **deleting users**, and **light/dark theme toggle** using Tailwind CSS and Redux Toolkit.

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## Features

- **Responsive Design:** Works seamlessly on desktop, tablet, and mobile devices.
  - **User Listing:** Fetches users from [JSONPlaceholder API](#) and displays them in cards.
  - **Search/Filter:** Search users by name, email, or company.
  - **Add User:** Add new users through a modal form with validation.
  - **Delete User:** Remove users directly from the list.
  - **Theme Toggle:** Light and dark themes with global context.
  - **State Management:** Uses Redux Toolkit to manage user data.
  - **Error Handling & Fallback:** Displays loading states and handles API errors gracefully.
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## Tech Stack

- **Frontend:** React (Functional Components + Hooks)
  - **State Management:** Redux Toolkit
  - **Styling:** Tailwind CSS with class-based dark mode
  - **API:** Axios / Fetch API
  - **Build Tool:** Vite
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## Project Structure

```
src/
├── components/
│   ├── common/
│   │   ├── Button.jsx
│   │   ├── Card.jsx
│   │   └── Modal.jsx
│   └── users/
│       ├── UserCard.jsx
│       ├── UserList.jsx
│       └── AddUserForm.jsx
├── store/
│   ├── index.js
│   └── slices/
│       └── userSlice.js
├── themes/
│   └── ThemeProvider.jsx
├── utils/
│   └── constants.js
```

```
|— App.jsx  
|— main.jsx
```

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## Installation

### 1. Clone the repository

```
git clone <>  
cd user management dashboard
```

### 2. Install dependencies

```
npm install
```

### 3. Start the development server

```
npm run dev
```

Visit <http://localhost:5173> to view the app.

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## Usage

- **View Users:** Displays all users in a responsive card grid.
  - **Search Users:** Filter users by typing in the search bar.
  - **Add User:** Click + Add User to open a modal form, fill details, and submit.
  - **Delete User:** Click the delete button on any user card to remove it.
  - **Toggle Theme:** Click 🌙 Dark or ☀️ Light to switch themes dynamically.
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## Approach

1. **Layout & Design:** Used **CSS Grid/Flexbox** for responsive layout and Tailwind CSS for consistent styling.
  2. **API Integration:** Fetched user data from **JSONPlaceholder API** with loading and error handling.
  3. **Component Reusability:** Created reusable components for **Button, Card, Modal, UserCard**.
  4. **Redux:** Managed user data globally, including actions to **fetch, add, and delete users**.
  5. **Theme Management:** Implemented a **ThemeProvider** to toggle between light and dark mode.
  6. **Fallback:** Used static local data if API fails.
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## Challenges & Solutions

- **Dynamic Dark Mode:** Initially, UI didn't update on theme toggle.
    - **Solution:** Applied `.dark` class on `<html>` and added `transition-colors` for smooth updates.
  - **API Failure Handling:** Ensured app works even if API is down using **fallback static data**.
  - **Responsive Layout:** Adjusted Grid and Flex layouts for mobile and tablet screens.
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## Author

**Nitesh Sharma** Email: [niteshkumarsharma831@gmail.com](mailto:niteshkumarsharma831@gmail.com)

Phone: +91 9572861917

LinkedIn: <https://www.linkedin.com/in/nitesh-kumar-sharma-2894a1185/>

Portfolio: <https://devcraftnitesh.vercel.app/>

## Previous Projects

- **E-Commerce Website:** [Shopizo Online](#)
- **Job Seeking Platform:** [HireOn WorkBridge](#)