

# 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 on desktop, tablet, and mobile devices.
  - **User Listing:** Fetches users from [JSONPlaceholder API](#) and displays them in cards.
  - **Search/Filter:** Filter 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:** Shows 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 https://github.com/Niteshsharma831/Internship-Task.git
```

### 2. Navigate to the User Management Dashboard folder

```
cd "Internship-Task/TechX React Assignment/User Management Dashboard"
```

### 3. Install dependencies

```
npm install
```

### 4. Start the development server

```
npm run dev
```

### 5. Open in browser

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

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## Usage

- **View Users:** See all users displayed in cards.
- **Search Users:** Type in the search bar to filter users by name, email, or company.
- **Add User:** Click + **Add User**, fill in the details in the modal, and submit.
- **Delete User:** Click the delete button on any user card to remove it.
- **Toggle Theme:** Click 🌙 **Dark** or ☀️ **Light** to switch between light and dark mode.

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## Approach

1. **Layout & Design:** Used CSS Grid/Flexbox for a responsive layout and Tailwind CSS for consistent styling.
2. **API Integration:** Fetched user data from JSONPlaceholder API with loading and error handling.
3. **Reusable Components:** Created components like **Button**, **Card**, **Modal**, **UserCard** for reusability.
4. **Redux:** Managed user data globally, with actions to fetch, add, and delete users.
5. **Theme Management:** Implemented **ThemeProvider** for light/dark theme toggle.

6. **Fallback Data:** Used static local data if API fails.
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## Challenges & Solutions

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

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## Previous Projects

- **E-Commerce Website:** [Shopizo Online](#)
  - **Job Seeking Platform:** [HireOn WorkBridge](#)
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This README is **simple, clear, and easy to understand** for recruiters. It includes **setup instructions, usage, approach, challenges, and links to your portfolio/projects**.

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If you want, I can also **make a super-compact GitHub-ready version** with **all links, features, and one-page layout** that looks very professional at first glance.

Do you want me to do that?