

User Management Dashboard

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.

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
```

Installation

1. Clone the repository

```
# git clone <https://github.com/Niteshsharma831/Internship-Task/tree/master/TechX%20React%20Assignment/User%20Management%20Dashboard>
git: [https://github.com/Niteshsharma831/Internship-Task/tree/master/TechX%20React%20Assignment/User%20Management%20Dashboard]
(https://github.com/Niteshsharma831/Internship-Task/tree/master/TechX%20React%20Assignment/User%20Management%20Dashboard)
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.

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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Previous Projects

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- **Job Seeking Platform:** [HireOn WorkBridge](#)