Project Documentation: Assignment 1 & Assignment 2

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Assignment 1: React Dashboard Application

A responsive frontend dashboard application built with React.js, featuring user authentication, a dynamic dashboard, user profile management, and API integration with a mock backend powered by JSON Server.

Features

- User Authentication (Login/Signup with validation)
- Dashboard with sidebar navigation & cards
- User Profile fetching from JSON Server
- API integration with db.json backend
- Global state with React Context API
- Client-side routing using react-router-dom
- Responsive UI with Flexbox & media queries

Setup Instructions

1. Clone Frontend: git clone https://github.com/MALLIKHARJUNCH-02/OneVarsity.git

2. cd assignment1

3. Clone Backend: git clone https://github.com/MALLIKHARJUNCH-02/json-server-assignment1_backend.git

4. cd json-server-assignment1_backend

5. Install dependencies: npm install

6. Update the backend API route in the frontend to use the localhost URL

7. Run React app: npm start

8. Run Backend : nodemon server.js

Live Deployments

https://one-varsity-silk.vercel.app/

Demo Video

https://drive.google.com/file/d/1FmoleG8edRa1YJt1wNKZB21GGCHa_kQF/view?usp=sharing

Screenshots

Includes in GitHub README.md Login, Signup, Form Validation, User Profile, Dashboard, Adding User.

Assignment 2: Reusable Components Demo with JSON Server

A React-based demo application showcasing a library of reusable components integrated with JSON Server.
It demonstrates dynamic data fetching, adding records, and state management with React hooks.

Features

- Reusable React Components: Button, Modal, Form Input, Table
- JSON Server Integration for user data
- Add new users with validation
- Real-time validation (name, email)
- Dynamic UI updates after adding data
- Scoped CSS Modules for styling

Setup Instructions

1. Clone Frontend: git clone https://github.com/MALLIKHARJUNCH-02/OneVarsity1.git

2. cd assignment1
3. Clone Backend: git clone https://github.com/MALLIKHARJUNCH-02/json-server-assignment2_backend.git

4. cd json-server-assignment1_backend
5. Install dependencies: npm install
6. Update the backend API route in the frontend to use the localhost URL
7. Run React app: npm start

8. Run Backend: nodemon server.js

Live Deployments

https://one-varsity1.vercel.app/

Demo Video

https://drive.google.com/file/d/1XAdYJPrD5PEj28ThFgvsW9y-oRn12bpt/view?usp=sharing

Screenshots

Includes in GitHub README.md Home, Form Validation, Add User.