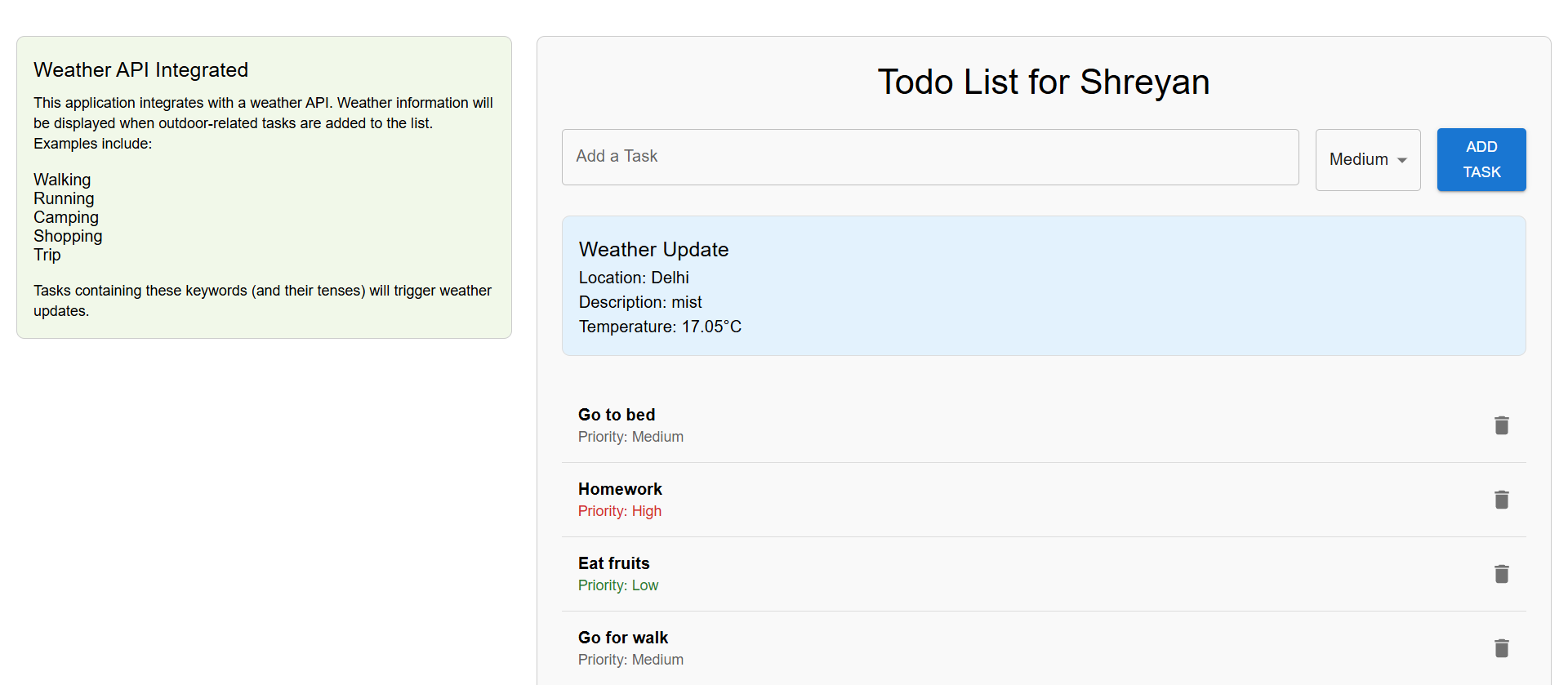
**TodoWithApi - README**

Project Overview\_:

TodoWithApi is a React-based, full-featured to-do list application that includes user authentication, task prioritization, weather integration for outdoor tasks, and persistent local storage. It provides an intuitive, responsive design and ensures a smooth user experience on all devices.



Features

1. Authentication

2. User Sign-Up and Login functionality with persistent session storage.

3. Restricts access to the app for unauthenticated users.

4. Each User has it's own todo list which is private secured and stored locally.

Task Management

->Add, delete, and prioritize tasks (High, Medium, Low priority).

->Tasks are displayed in an organized and color-coded manner.

->Weather Integration

->Automatically fetches and displays the weather for tasks containing keywords related to outdoor activities (e.g., "walk," "jogging," "trip").

->Provides a **detailed weather forecast for better planning.**

->**Persistent Storage**

**->Uses local storage to save tasks and authentication status on a per-user basis.**

**->Data remains available across browser sessions.**

**->Responsive Design**

**->Optimized for mobile, tablet, and desktop devices using Material-UI and CSS Flexbox/Grid.**

**->Error Handling**

**->Displays friendly error messages for failed API requests or user actions.**

Getting Started:

->Follow these steps to clone, install, and run the project locally:

Prerequisites:

->Node.js (v16 or later) installed on your machine.

->A GitHub account and Git installed.

Steps to Start the App:

->Clone the Repository

bash:

git clone https://github.com/shreyan67/TodoWithApi.git

cd TodoWithApi

Install Dependencies Run the following command to install the required Node.js packages:

bash

Copy code

npm install

Set Up Environment Variables:

->Create a .env file in the project root.

->Add your weather API key to the .env file:

1.makefile

2.Copy code

3. VITE\_WEATHER\_API\_KEY=YOUR\_API\_KEY

Replace YOUR\_API\_KEY with your actual API key from OpenWeatherMap.I have used apikey=08743bd096995e9f3c923cc880590a8e

Run the Application Start the app in development mode:

bash:

npm run dev

This will launch the app at http://localhost:5173.

Build for Production To create an optimized production build:

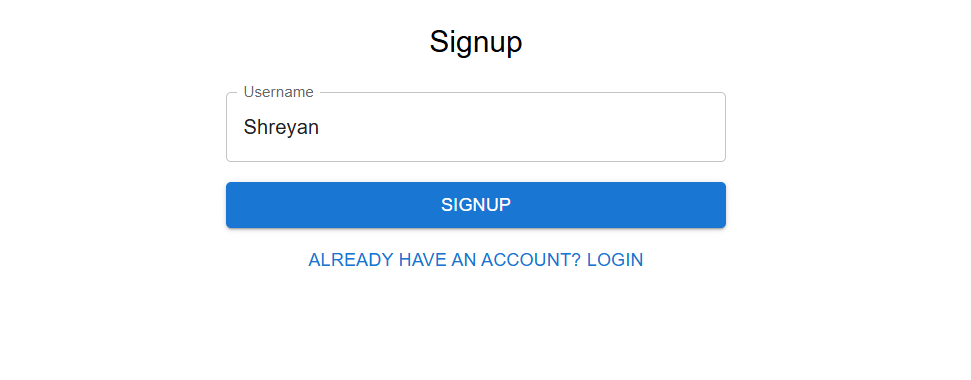
bash

Copy code

npm run build

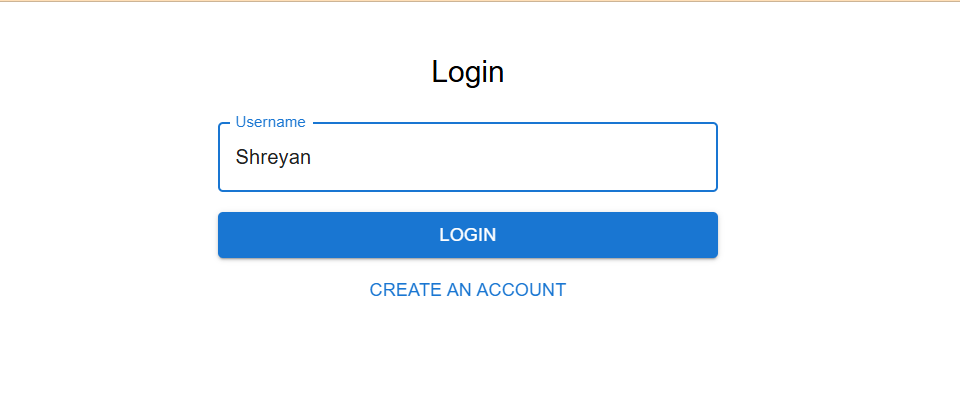
How to Use the App:

Sign Up



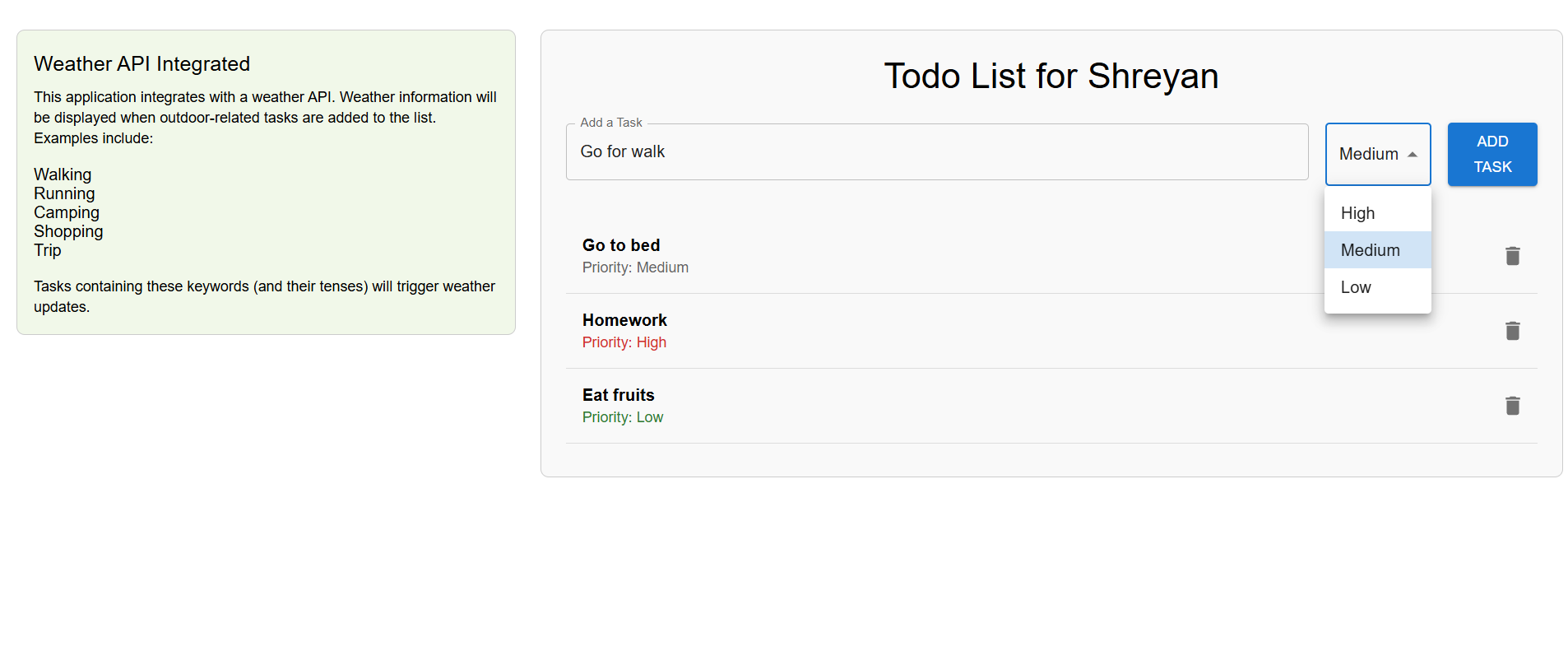
Access the app and create an account using a unique username and password.

Login



Log in using your credentials to access the Todo App.

Add Tasks



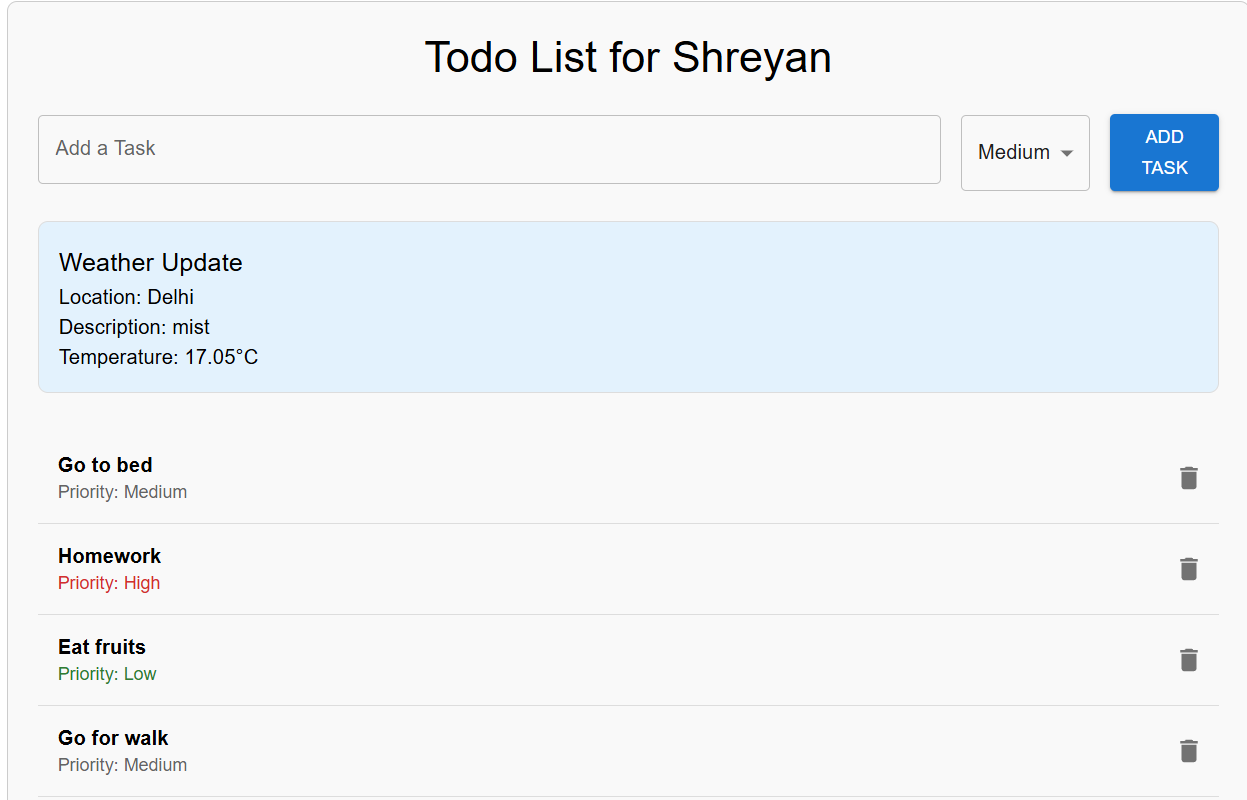
Enter tasks into the input field.

Specify task priority using the dropdown menu (High, Medium, Low).

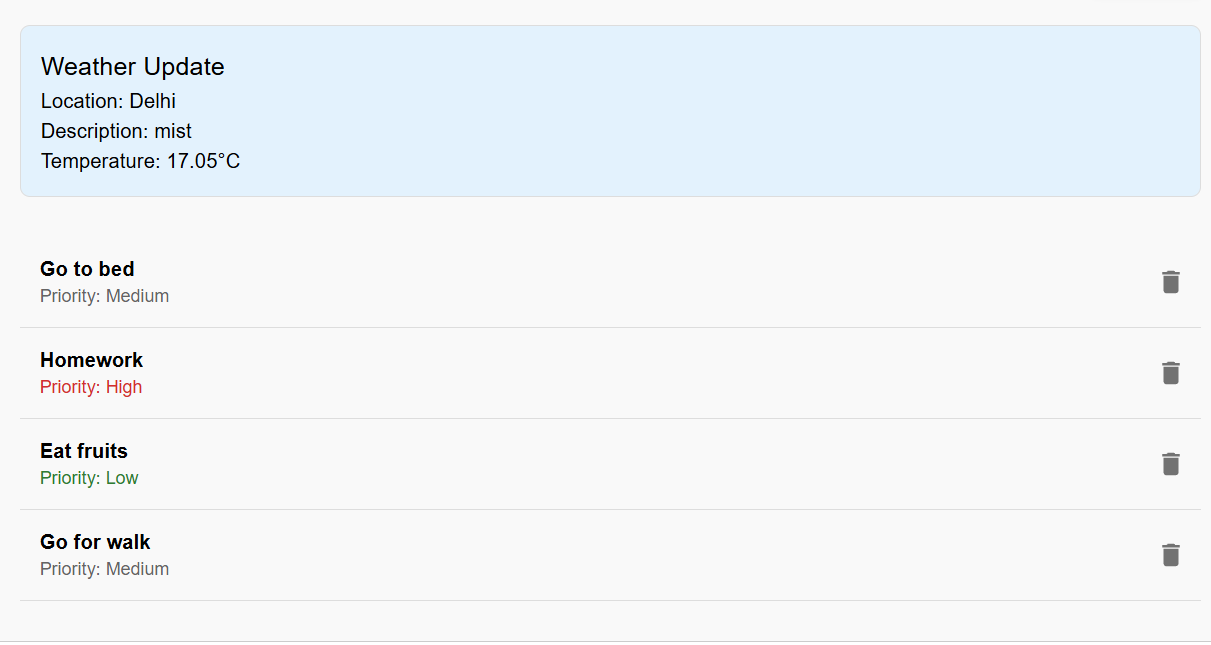
Press "Add Task" to include it in the list.

View Weather

Add a task with outdoor-related keywords like "walk," "trip," or "camping" to see relevant weather details displayed alongside the task.



Delete or Manage Tasks



Delete tasks using the trash icon next to each task.

Manage task priority or add new tasks at any time.

Built With:

->React.js: Frontend framework.

->Vite: Fast development environment.

->Material-UI: Pre-styled components for responsive UI.

->OpenWeatherMap API: Fetch weather data.

->LocalStorage: Persistent storage for user-specific data.

Demo

The app is deployed, you can access it here:

TodoWithApi - Live Demo : <https://shreyan67.github.io/Todo_n_Api/>

(currently live deployment isn’t working due to some error . please run it locally )

Use api= 08743bd096995e9f3c923cc880590a8e

Bash: Npm run dev

Contact

For further inquiries or feedback, feel free to reach out at:

GitHub: shreyan67