

Text Post Web Application

This is a web application that allows users to create text posts and search for existing posts. Users can create a new post, which will include their name and message. Users can also search for posts using a search bar, which will display search results if any are available. The application uses React for the frontend, Python for the backend, and PostgreSQL for storing data.

Why

This application was created to provide a simple and intuitive way for users to create and search for text posts. It allows users to express their thoughts and opinions and share them with others in an easily accessible way. By using modern technologies such as React, Material UI, and PostgreSQL, the application provides a seamless user experience and ensures data is stored securely and reliably.

How

Technologies Used

- React
- Material UI
- Python
- SQL Alchemy
- PostgreSQL

Installation

To run the web application, you must first download the project and extract the files to your system. Then, follow the instructions below to install and run the frontend and backend components.

Backend Installation:

Open CMD/Terminal and navigate to the project directory.

Navigate to the backend directory using the command `cd backend`.

Activate the virtual environment by running the command `env\Scripts\activate` for Windows, or `source env/bin/activate` for Linux and macOS.

Install the necessary libraries by running the command `pip install -r requirements.txt`.

Run the program using the command `python app.py`.

Frontend Installation:

Open a new CMD/Terminal window and navigate to the project directory.

Navigate to the frontend directory using the command `cd frontend`.

Install the necessary libraries by running the command `npm install`.

Run the program using the command `npm start`.