Deefinity Weather Mail Project

Deefinity Challenge

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CONTENTS

01
___
Overview

Challenge
Goal

02
___
Structure

Backend
Frontend
Weather API

03
___
Key Features

Registration/Login
Automated Email
Subscription

04
___
Conclusion

Registration/Login
Automated Email
Subscription

Project Overview

- **Challenge**: Develop a weather forecast service for Berlin (14 days).

- **User Story** : a Marketing Manager wants to receive an automated 14-day weather forecast email for Berlin.

- **Goal**: Automate weather updates to aid in event planning without manual checks.
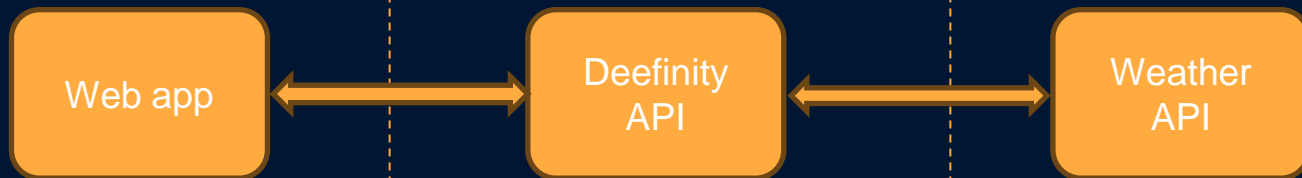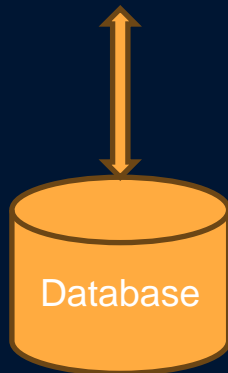
Project Structure

Backend

HTML, JS, CSS

Python
FastAPI, Jinja2, SMTP

Visual Crossing API

Web app ⟷ Deefinity API ⟷ Weather API

Frontend

Database

For simplicity .Json file

Key Features and Demonstration

- **User Registration/Login**:

- ➤ Authentication / OAuth2 with JWT.

- ➤ Password Security / Hashing with SHA-256.

- **Automated Email System**.

- **Subscription Management**.

Conclusion & Next Steps

Success

Functional user registration, automated 14-day weather forecast delivery.

Next Steps

Using real database / SQL (e.g., MySQL, PostgreSQL)

ML

ML Event location prediction