

Project Plan

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Group: Front-end

Project Title & Overview

Title

Intelligent Trip Planning Assistant

Project's Purpose

The purpose of this project is to assist users in planning their travel destinations. With the help of a large language model, users will be able to find suitable travel locations that suit them, gain a better understanding of the local tourism programs and attractions, and easily and effortlessly plan their own vacations.

Target Users

People who wish to travel in Australia during the holiday.

Core Value

1. Help tourists search for information about tourist attractions, saving them time in the search process.
2. As a reference for tourism industry workers when dealing with tourists' inquiries.

Project Scope

1. User registration
2. User login
3. Users engage in a conversation with the large model and obtain the suggestions proposed by the large model.
4. Provide a redirect link to the official website of the tourist destination.
5. Provide recommendations for service companies related to travel and travel arrangements.
6. Provide users with the option to switch between day and night modes with just one click.

7. Provide users with the option to switch between Chinese and English pages with one click.
8. Provide users with the option to switch between the elderly/children mode (font size) with one click.
9. Provide users with the option to switch to colour blindness mode with one click.

Technical Plan

Tech Stack

1. Node.js or Vue for the front-end design.
2. MySQL for the database.
3. The large language model deployed locally through Ollma.
4. Local interface calling software related to large language models.
5. The local knowledge base of the large model.

Key Phases

Design → Prototyping → Testing → Presentation

Key Technical Challenges

1. The aesthetic quality of the UI design on the front-end page.
2. The performance characteristics related to the accuracy and response speed of the local large model, such as its performance level and response speed.

Timeline

Complying strictly with the requirements of the project supervisor, attend each lecture, and gradually complete the development tasks and thesis.

Success Criteria

Carry out the local deployment of the project and ensure the availability of core functions, as well as prepare for presentation.