Scenic Route
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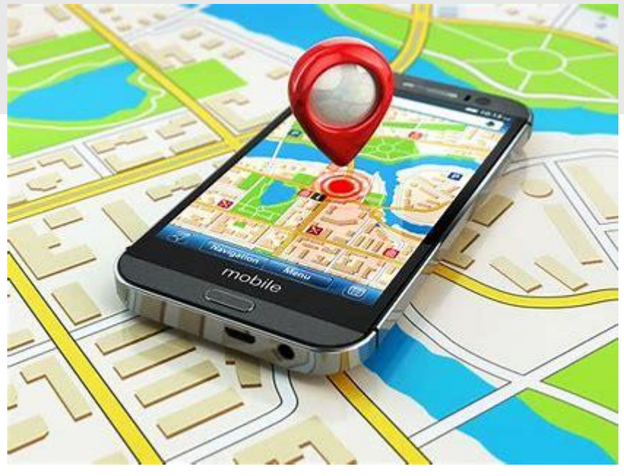
Abstract

This project aims to develop a mobile application, Scenic Route, which provides users with scenic and historical travel routes. The application includes an interactive map, scenic route suggestions, custom route planning, and real-time GPS navigation. Research into front-end development frameworks, mapping APIs, and databases has led to key decisions on the technical stack. This poster presents the findings and technologies chosen for optimal user experience and efficient application functionality.

Introduction

The Scenic Route refers to roads and pathways chosen for their stunning landscapes, cultural landmarks, and recreational opportunities. This poster explores the impact of scenic routes on tourism, local economies, and environmental sustainability.



Research Questions

How can we make the app attractive to the user ?

What are the environmental impacts of promoting scenic routes, and how can apps encourage sustainable tourism?

What type of suggestions can use like to see in their recommendation list?

Objectives

- Display current user position
  Implement a system to accurately display the user's current location using GPS technology. This feature will ensure that users can easily navigate scenic routes, enhancing their overall exploration experience.

- Suggest scenic routes for exploration

- Develop an algorithm that suggests scenic routes based on the user's current location. This system will consider user preferences, such as natural landmarks, historical sites, and recreational activities, to create personalized route recommendations.

Similar Apps

There are several apps like scenic route planners, such as:

- **Roadtrippers** [1]
- **Google Maps**[2]
- **Apple Maps [3]**
- **Komoot**[4]
- **MyScenicDrives**[5]

Technologies

Flutter
React Native
Expo
Google Maps API
Firebase
mongoDB.

References

[1] Your Roadtrip – Roadtrippers
[2] Google Maps
[3] Apple Maps on the App Store
[4] Komoot | Find, plan and share your adventures
[5] Find a scenic drive or plan a road trip with myscenicdrives.com