

Title: Travel Sensei

Premise: The premise of my project is to develop a mobile application that will encourage people to travel more and make traveling easier.

What for: The purpose of this project is to make traveling not only much easier, faster, and more accessible, but also fun, competitive, and entertaining.

Deliverables:

- Fully functional mobile application available for Android and IOS devices
- Administration web application which will be used for managing the application
- User manual and documentation for the application

Goals:

- Achieve 100000 of active users withing the first year of launch
- Achieve user satisfaction rating of at least 4.5 out of 5 stars on app stores withing the first year of launch

Functionalities:

- Sight details: Each sight comes with detailed information, images, videos and audio guides
- Interactive Map: A visual map displays all sights in the database. Users can search, click on map icons, and see their own location
- Leaderboard system and rewards:
 - Achievements and a leaderboard system encourages users to explore and discover new places.
 - Internal credits earned through leaderboard rankings can be traded for profile customizations or tangible prizes.
 - Users are encouraged to find unique, non-mapped sights for special rewards
- Integrated Reservation System : Integration with external services which will enable booking (hotels, activities)

Constraints :

- Platform Compatibility: the mobile application should be functional both on the android and IOS devices. It will not be available for the desktop users
- Access Requirements: For the application to function correctly application needs an access to users location and access to play audios and videos
- Security Requirements : Data privacy and security is priority. The goal is to protect sensitive information and prevent unauthorized access to resources(passwords, credentials, and user location).User location should not be visible to other users
- High availability of the app: use cloud service such as Microsoft Azure and AWS to achieve high availability
- Scalability : with increasing demand and popularity we should be able to scale the app if needed.
- Global Availability : the application is available all over the world(sights are visible in entire world)
- Localization : there are multiple languages available for users of the application.
- Integration with external services : Integration with external services which will enable booking (hotels, activities)