

Multilingual Virtual Tour Assistant for Local Navigation (MTAP)

Product Requirements Document

1.1 Purpose

The Multilingual Virtual Tour Assistant for Local Navigation (MTAP) is a web-based application designed to assist international tourists in navigating essential services and locations in unfamiliar environments. By leveraging GPS data, language translation services, and AI-based recommendations, MTAP provides real-time guidance tailored to each user's native language, making local exploration simpler and more accessible for travelers.

1.2 Product Scope

MTAP aims to bridge the language and cultural gap that tourists often face when traveling to foreign countries. The application will provide multilingual support for navigation to essential services such as transportation hubs, healthcare facilities, financial services, and convenience stores, while also offering cultural tips and emergency information.

1.3 Target Audience

- International tourists and travelers
- Business travelers in unfamiliar locations
- Exchange students and expatriates
- Individuals with limited proficiency in the local language
- Tour operators and travel agencies (as potential business partners)

2. Product Overview

2.1 Product Perspective

MTAP is a standalone web application that integrates with various third-party services for geolocation, translation, and points of interest data. The application will be accessible via web browsers on both desktop and mobile devices, with a responsive design that prioritizes the mobile experience.

2.2 Key Features

2.2.1 Language Selection and Multilingual Support

- Initial language selection interface
- Real-time translation of directions, recommendations, and instructions
- Support for at least 40 major languages in the MVP

2.2.2 Location-Based Service Recommendations

- GPS-based location detection
- Display of nearby essential services categorized by type
- Real-time directions to selected locations
- Estimated arrival times and distance information
- Filtering options based on service type, distance, and ratings

2.2.3 Local Information and Cultural Tips

- Culturally relevant information about the current location
- Local customs, etiquette, and common phrases
- Important contact information (embassies, emergency services)
- Local transportation options and guidance