

REQUIREMENTS MANAGEMENT PLAN TEMPLATE

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OVERVIEW

The *Wanderlust* app is a tool developed for the tourism market. Using the app, the user - usually tourists or local travelers - can receive information of the chosen location. The location filter refines the search to a city.

After defining the place of interest, the user will receive suggestions of places to visit in the main menu and also suggestions of typical dishes, bringing details of their main ingredients.

In addition, the user can interact with a chatbot, called Wander, developed for the platform. It is chatbot's function to provide the user with tips on the local code of conduct for their region of interest, thus enabling tourists to get to know the local culture more fully and to respect local habits and spaces.

Chatbot technology will use the data mining process to optimize the performance of this tool.

1.1 PURPOSE

The main purpose of this software project is to be as a counselor friend to the Wanderlust user. With its tips, contributes to a more complete tourist experience in the process of immersion in a new culture, as well as acting as a support for possible unforeseen events.

1.2 SCOPE

The scope of the plan includes:

- The app will be built using android studio, java and API's.
- Data mining will be done with Python using libraries like pandas.
- Who will perform the most of activities is the classes with the suggestions and the chatbot *Wand*.
- It will be executed whenever the user interacts with the app.
- The plan for the future is to grow the location-related database, make the application available in multiple languages, and improve chatbot's machine learning experience.

1.3 APPLICABILITY

The app will be used for tourists or local travelers. This is made for travel lovers who want to improve their experiences.

1.4 DOCUMENT ORGANIZATION

This document contains the main idea of the project, its characteristics and requirements, as well as the tools being used during the development process.

1.5 APPLICABLE DOCUMENTS

The documents that control the RM are:

- The project plan
- The requirements document

1.6 CHANGES AND REVISIONS

The review and follow-up of the RM will be done by the appropriate project team, which is committed to delivering the aggregate quality and is willing to review requirements that could compromise this outcome.

1.7 ISSUES

Here are the possible issues that will affect the development of project requirements:

- Knowledge of Java language, the base language of the project
- Knowledge of Android Studio Platform
- Python lingual integration in data mining
- Mobile app integration with database
- Make the bot assertive

