

APPLICATION DESIGN DOCUMENT

1. Introduction

This design document outlines the architecture and functionality of an application that provides comprehensive information and services related to various categories or modules, including:

1. **Events**
2. **Places to Visit**
3. **Accommodation**
4. **Food & Drinks**
5. **Transit Stations**
6. **Services**

The application aims to provide users with a one-stop platform for exploring, accessing, and utilizing various services in their local area or when traveling. Users can search for specific places, discover new options, view details, access additional functionalities, and receive relevant information to enhance their experience.

2. Architecture Overview

The application follows a client-server architecture, with the client running on users' devices and the server hosting the main application logic and data storage. The server-side utilizes a RESTful API to communicate with the client, providing access to the necessary functionality and data.

2.1. Client-Side Architecture

The client-side architecture consists of the following components:

- **User Interface (UI):** The UI provides an intuitive and user-friendly interface for users to interact with the application. It includes screens, forms, menus, and navigation elements for various functionalities.
- **User Input Handlers:** These components handle user input from the UI and trigger appropriate actions, such as search requests, category selection, or navigation.
- **Data Display Components:** These components receive data from the server and display it to the user in a readable format. They can include lists, maps, or detailed views depending on the type of information being presented.
- **Local Storage:** The application may utilize local storage to store user preferences, recent searches, or cached data for offline access.

2.2. Server-Side Architecture

The server-side architecture consists of the following components:

- **RESTful API:** The API exposes endpoints to handle client requests, such as searching for places, retrieving details, or posting reviews. It processes the requests, interacts with the data storage layer, and returns the appropriate responses.

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