

Personalized Tourist Guide



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INTRODUCTION



A personalized tourist guide will play the role to enhance visitors' experience. Generally, a local tourist guide works at a specific location, city, or province, but this web App will cover the entire country.

We are building a personalized tourist guide Web App that will be useful for tourists and easy to navigate destination places with personalized assistance.



PROBLEM STATEMENT



It requires too much time for collecting and verifying information about the tourist places. It does not provide proper guidance to tourists about the destination

Local tourist guides are not available at every place. In the days of the pandemic, local tourists guides are not easily available



OBJECTIVE/PURPOSE



1. The purpose of developing this Personalized Tourist Guide Web App is to provide all the required information and give proper guidance to the tourists on a single platform with Unique and useful features.

2. To provide destination-based personalized tourist guide web App

3. To recommend the facilities like hotels, travel tickets and famous places to visit

3. To reduce the cost and time of tourists

4. To help tourists to better understand the cultural background, to recognize and correct their prejudices and stereotypes about Tourist Places



EXISTING SYSTEM

- 1.** The present system is a physical system it requires lots of time for collecting information and proper guidance.
- 2.** This system is expensive.
- 3.** Existing system is not applicable for every place.
- 4.** Existing system does not provide you with verified Reviews and Recommendations.

PROPOSED SYSTEM

- 1.** Provide correct and verified information.
- 2.** Maps - a) Tourist (user) can navigate their searched destination place by using maps.
b) Provide shortest travel route by using Shortest Path Algorithm
- 3.** Recommends the nearest best places to visit, Hotels, and travel booking options.
- 4.** Gives live whether updates of the user's destination place.
- 5.** Provide verified Reviews (In the form of videos and comments)

FUNCTIONAL REQUIREMENTS

- 1.** User Login Page with OAuth
- 2.** Destination search Page
- 3.** Destination category page.
- 4.** Specific Destination page
- 5.** Trending and Top destinations page.
- 6.** Real-time weather information
- 7.** Places to stay ~> Hotels, Restaurants, Resorts
- 8.** Map of destination (Includes routes)
- 9.** Tourist reviews Page (videos and comments)
- 10.** Personalized assistance page (transportation guide, personal care guide)

NON-FUNCTIONAL REQUIREMENTS

- 1.** Secure access of user's data
- 2.** Responsive design for a better experience
- 3.** Implementation in static pages for less loading time and less data consumption

TECHNICAL REQUIREMENTS

Software Tools ~>

Database: Postgresql

Client: Google Chrome or Mozilla Firefox Browser

Development Tools: Microsoft Visual Studio Code, Postman, Developer Extensions

Technologies: Reactjs, Redux toolkit, Firebase

Programming Language: Javascript,HTML5,CSS3

Deployment ~>

OS: Linux, Windows 10

TECHNICAL REQUIREMENTS

Hardware Specification ~>

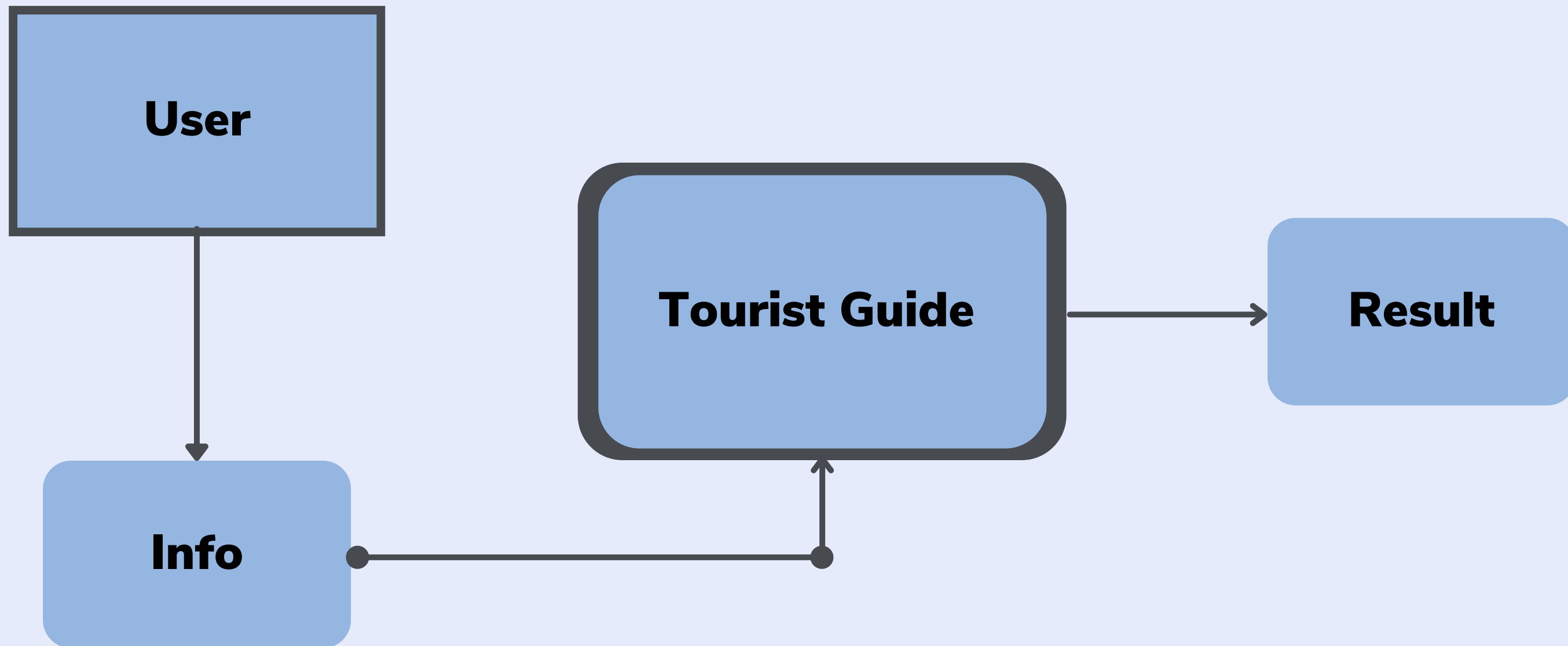
Processor: Intel Core i5

RAM: 4GB

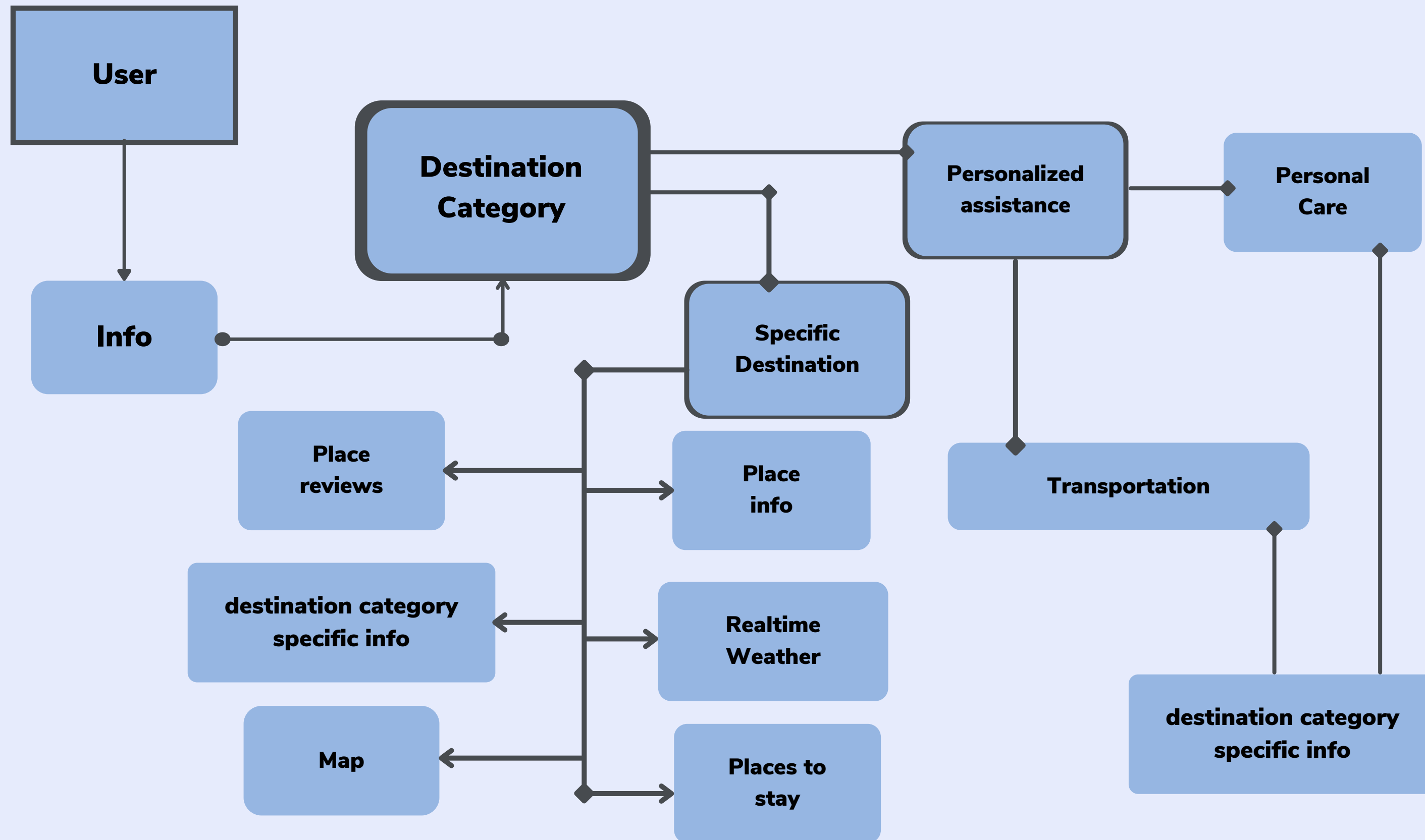
Harddrive: 1TB

Internet Connection

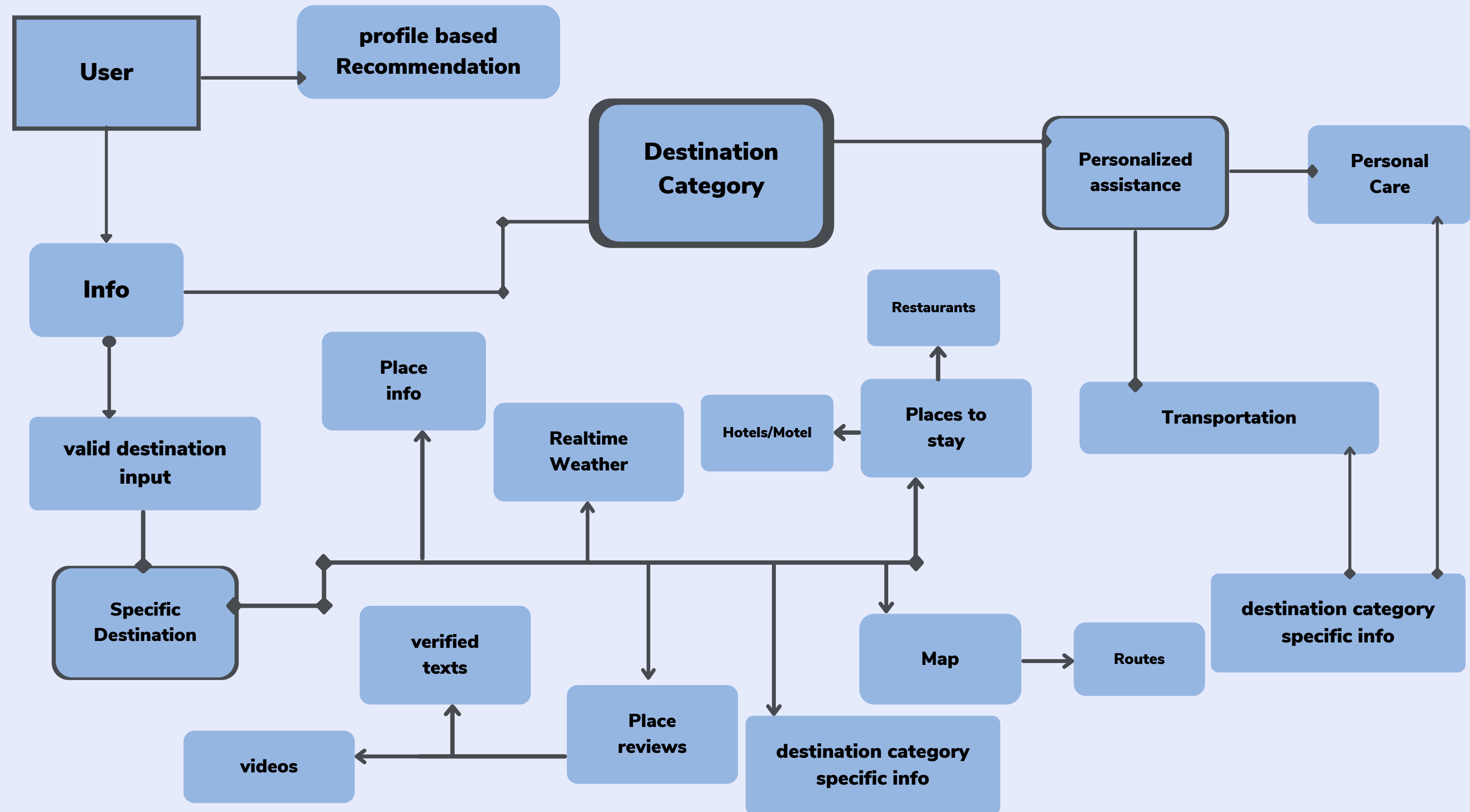
Personalized Tourist Guide DFD Level 0



Personalized Tourist Guide DFD Level 1



Personalized Tourist Guide DFD Level 2







ADVANTAGES

- 1.** Saves Time and Cost of tourist (user)
- 2.** Gives all information and suggestions related to the user's destination place at a single click.
- 3.** Provide a Safe and trustful Travel guide.
- 4.** Provide Personal care and transportation guide
- 5.** Gives flexibility and easy accessibility of information regarding destination to tourists.
- 6.** Encourage people to visit places. (increase tourism)

References



1. Ministry Of tourism India 
2. Challenges and Truth about being a tourist guide 
3. Digitalizing Oral Histories:
Tenement Museum Virtual Tour 
4. Useful Surveys 



THANK YOU

