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## CHAPTER 1

### INTRODUCTION

The main idea behind the project is to develop an android application which will help tourists to find the better place at one instant. The long-time which Tourists waste on searching for the better places like hotels, museums, parks etc for their enjoyment in the new city which is totally unknown to them will get reduced, if they use this application.

Hence this idea was very new and useful for all those who love to travel in a new city on a regular basis. The project is about tourist guide system how the tourist will get best use of the application according to his/her point of interest. Developing a Location Based Tourist Guide Application is basically a GPS enhanced travel expo application, which allows the users to participate in a self-guided tour of a specific area. It will also display detailed information about specific features linked to their current position.

Next Generation Location based services for mobile devices is a mobile computing application that provides information functionality to users based on their geographical location. In addition to showing the nearby restaurants type of application, it contains some extra features such as pro-actively push only relevant information to users to help speed up decisions and activities, encourage sharing of location-based information such as photos and reviews generated by other service providers and users.

## CHAPTER 2

### BRIEF LITERATURE SURVEY

- The main goal of this study is to explore factors which influence city destination choice among young people in Serbia.
- In order to achieve this, we conducted a survey consisting of 20 different items influencing the choice of city destination.
- The results indicate four motivating factors extracted by factor analysis, from which good hospitality and restaurant service seems to be the major motivating factor.
- The results also show that respondents belonging to the age group of under 25 give more importance to Information and promotion as well as to good hospitality and restaurant service than those belonging to older age groups.
- According to the World Tourism Organization [UNWTO], the tourism sector covers travel services related to recreational, leisure or business purposes.
- During the past decades, the tourism sector has experienced continuous growth and diversification, becoming one of the most dynamic sectors of the global economy.
- Nowadays, tourism represents worldwide a significant driver for economic growth, accounting for about 10
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- Tourism can serve as a tool towards increasing government revenues through taxes and improving residents' quality of life in a destination. There are, however, potential negative environmental and social impacts that must be managed for tourism to fulfil its promises.
- Nearly everyone goes on a vacation and a Tourism management system would play a vital role in planning the perfect trip.
- There are multiple positive effects derived from tourism such as the creation of jobs, its capability to fix the population to the territory, or its ability to diversify agricultural production in certain areas.
- The tourism management system allows the user of the system access all the details such as weather, location, events, etc.
- The main purpose is to help tourism companies to manage customer and hotels etc.

- The system can also be used for both professional and business trips.
- The proposed system maintains centralized repository to make necessary travel arrangements and to retrieve information easily.

## CHAPTER 3

### PROBLEM FORMULATION

#### 3.1 PROBLEM FORMULATION

- The aim of this project is to suggest tour places for users.
- It is difficult to decide a tour plan for users to travel to their dream destination.
- On an average 1 billion people travel throughout the world. So it's difficult for each one of them to plan their tour. To solve this issue this app helps users to have a proper tour plan.
- Lot of time is consumed while planning for the tour. Cost planning could also be increased than expected

#### 3.3 METHODOLOGY

TourPeak is the name of this application, The work flow of TourPeak is as follows:

- Firstly, users as well as tourist agencies will have a login/register screen shown to them.
- Based on the users credentials they will be logged on to the respective portal i.e. either agency portal or tourists portal or admin portal.
- The following are the 3 different users and features available to them:
  1. Tourists
    - (a) Can browse all proposed tour plans.
    - (b) Can like and share tour plans.
    - (c) Can create custom tour plans i.e. roadmap of their plan.
  2. Tourist Agencies
    - (a) Has all features of tourists.
    - (b) Can bid for proposing tour plans to the tourists that have liked the plans.
  3. Admin
    - (a) Regulates the tourists as well as agencies.
    - (b) Makes sure bidding goes through in a fair way.
    - (c) Handles all the maintenance and other updates to the application.
- As a tourist, you will be shown the most trending tour first, the interface looks similar to Instagram reels or YouTube shorts.

- Based on location of tourist, the plans in his feed will be adjusted such that the plans starting at the tourist's current location will be shown.
- Tourists, will also have a create button available to them using which they'll be directed to the roadmap portal wherein they can create their own custom tour plans for sharing their ideas and plans of what their dream tour is.
- Tourists Agencies will be shown the most trending tours and they can bid on proposing plans for the tourists interested in said plan.
- Agency that wins the bid is given the right to propose plans to all the interested tourists.

## **CHAPTER 4**

### **HARDWARE AND SOFTWARE REQUIREMENT**

#### **4.1 HARDWARE REQUIREMENTS**

- RAM: 1GB or above
- Hard disk: 100MB or above
- Processor: 2.4 GHZ or above

#### **4.2 SOFTWARE REQUIREMENTS**

1. Flutter
2. MySQL
3. NodeJS
4. Android Studio
5. React Native

#### **4.3 SOFTWARE INTERFACES**

1. Language: JavaScript, Dart
2. Editor: Visual Studio Code

## CHAPTER 5

### APPLICATIONS

- Showcasing personal tour plans, user can plot their own ideas and personalise other's plans. Users can also share other's plans and promote them in other platforms.
- Optimizing plan as per user satisfaction, if the user is satisfied with plan proposed by other user's, he can either go with the designed plan, else the user can propose his own ideas on a plan that he wants to go on.
- Sharing of data to tourist agencies to provide said plans, the tour agencies would contact the user based on their (user) liking plans and negotiate plan prices for the tour. The agents bid on plans interesting the user and the user can choose which agency is providing budget-friendly prices.
- Social Media for tour plans, acts as a bridge between user and tour agencies, where interested agencies can bid their price on certain plan that the user wants to go with. User can like the plans posted by other users, and share in other platform for better recognition of plans
- Cost effective tour plans, the plans designed by the users are usually cost effective and budget-friendly for people who prefer pocket-friendly tour plans, and accommodation provided by the travel agencies.



## CHAPTER 6

### ADVANTAGES AND DISADVANTAGES

#### 6.1 ADVANTAGES

- Allows users to share their interests and take a chance at realizing their dream destinations at nominal costs.
- Trending Tour plans will be displayed allowing tourist agencies to dish out between each other for giving customers the said tour at decreasing costs.
- Allows users to showcase their interested destinations.
- Tourist agencies can customize their plans based on interests shown.
- Users are given a portal to request for tours as needed.
- Users can get access to usual tours as well along with a chance to having their dream tour realized in the way they want it.

#### 6.2 DISADVANTAGES

- The user that suggests the initial tour plan needs to put in some effort to create it.
- More competition between tourist agencies as all have access to the portal.
- Tourist Agencies need to have dedicated people assigned for the same, to efficiently use this portal.
- Some learning is involved to use the app for customers as well as tourists

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