National University of Computer & Emerging Sciences
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TOURISM MANAGEMENT SYSTEM

Project Proposal
Programming Fundamentals
Section: H

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● Introduction

It's a tourist guidance program that helps you to make your trip full of adventure. The program will ask you about the cities/countries, you would want to visit. It can also suggest to you the famous locations of that place to visit and the kind of fun and adventure you may have there. The program will also suggest to you the hotels where you can stay along with flights and their timetables according to the user's budget. Moreover, the program will show you the best conveyance for you to go to your destination place like by bus, road or by air.

● Existing System

In order, to have a deeper insight into Tourism Management, we had closely referred to a website https://www.trips.pk/. As per our research, this website provides some awesome international and local packages from and within Pakistan. The packages include destinations that are well suited for activities like diving, hiking, weddings, honeymoons, etc. Furthermore, the former has a great flight booking facility and to some extent can provide good airlines with the low fair. It has associations with approximately 10 local and international airlines. The flights can be reserved as per your budget and have flexibility in dates. Moreover, They offer amazing packages for Umrah and Hajj which comprises accommodation, flight, etc. They have facilities for visa consultancy which is limited to 8 countries including Austria, Mauritius, etc. The best part is that they also offer travel insurance for their tourists for their safe travels and to cover any unforeseen losses that might incur while traveling.

● Problem Statement

We provide some exceptions feasibility for our customers. Many people face problems of conveyance once they reach their desired location and no such options are mentioned in our existing system. As the existing is a Pakistani website so it should show restaurants offering Pakistani food. This website also lacks a feature of showing currency exchange centers for someone who runs out of money.

● Proposed Solution

Our Tourism Management software aims to aid tourists in both their international and local travel. The user will first be asked to choose their desired country/city. After that, he will be shown all the possible flights which will land at their destination.
Later on, the user will be asked to select a range and will be shown the possible hotels accordingly. The hotel information will comprise of the cuisines, rooms, activities, and leisure, etc.
The user during or before his travel can look for a ride for his or his family.
Transportation can include bike (for a single person), Hiace, bus, car, cab, metro, tramps depending on location to location etc. The user can also get a car rented, with certain terms and conditions during his travel. Users will also be notified about the currency exchange shops nearby their hotels and locations to ease their travel.

● Salient Features

1. Login interface/sign up.
2. Range of budgets
3. Names of countries/cities you want to visit.
4. If any place is selected then relevant activities are shown to the user.
5. List of flights and their prices while going to your desired location.

6. List all possible hotels, cafes, inns near your destination along with their prices, capacity, and cuisines.

7. List of possible Public & Private transport facilities near your destination

8. Available Currency exchange canters near your location.

9. Review box to aid new visitors and rating facility to rate hotels, flights, and transportation, etc.

● Tools & Technologies

We will be using nothing but standard C to create this program which includes various header files for various tasks and our program will work on any operating system until and unless there is a compiler present to compile and execute our program.