

Tourism Management System

A

Report

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Fulfillment of the Requirements in
Project Based Learning**

of

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Under the course

Advance Database Systems

In

Computer Science and Engineering

Under the Guidance of

Prof. U. D. Patil.



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Report

Title: TOURISM MANAGEMENT SYSTEM

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Project Guide:

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1. Acknowledgement

We would like to express our deep gratitude to Prof. U. D. Patil & H.O.D Prof. Grantej Otari for their constant encouragement and belief in us. Their guidance and attention throughout the project work has been of immense help to us. We express our sincere thanks to all the teaching and non-teaching staff and all those who have directly and indirectly helped in marketing project a success.

Sincerely By

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2. Problem Statement

- In the present system a customer has to approach various agencies to find details of places and to book tickets. This often requires a lot of time and effort.
- A customer may not get the desired information from these offices and often the customer may be misguided.
- It is tedious for a customer to plan a particular journey and have it executed properly.
- We provide approach skills to critically examine how a tourist visits and its ability to operate in an appropriate way when dealing with the consequences of tourism, locally, regionally, and nationally
- including visitor security and ecological influences.
- The present systems are inadequate in providing information and advice to the agencies and customers about tour plans. Often agencies are compelled to rely on local information sources and count on their own prices regarding time and cost. Through phone call they have to get information

3. INTRODUCTION

1. Purpose

In today's day and age people often need a break from their busy lives to spend some time with family and friends or simply travel for their own purpose but never get satisfactory hotels, transport facilities and destination brochure. This motivated us to create a tourism management system which helps the travellers experience a better and satisfactory journey from the start to end.

2. Product Scope

The Tourism Management System project can prove to be immensely useful for the travelers and travel agents with no or little management facilities. There are annually 1652 million domestic travelers in our country according to the statistic provided by ministry of tourism. This huge number of travelers who need an affordable and comfortable journey can use this software to find their suitable option.

3. Overview

Document Conventions

This document is formed using IEEE template for System Requirement Specifications (SRS) documents. Headings are in bold capital letters and wherever necessary, diagrams are provided.

Intended Audience and Reading Suggestions

The intended audience for this document includes the interested software developers and the travel agents who are going to use this software. This project is being developed under the guidance of Prof. Preeti Khare and Prof. Jyoti Thakur. This software is also useful for the customers directly accessing the website.

4. Overall Description

System Functions

- Application Functionality- The application through which the customers take the services should be well-functioning, error-free and easy to understand.
- Time- No time lag to be witnessed during the service.
- Based completely on Windows functionality platform.
- The software should be portable and must be inaccessible to unauthorized users.
- Internet Connectivity
- Investment
- Large data storage capacity
- Considerable RAM size for smooth working
- Maintenance and timely updating.
- Credible analysis of students' feedback.

Software Interface

- The project supports all types of web browsers.
- All the student details are highly secured and privacy is maintained.

Hardware Interface:

Device should be enabled with internet

5. Objectives

1.The main objective of the Tourism Management System is to manage the details of Customer, Hotel Booking, Cancellation and Tourism places. It manages all the information about Users, Hotel, Packages etc. The project is totally built at administrative end and thus only the administrator is guaranteed access to the backend database. The purpose of this project is to build an application program to reduce the manual work for managing Tourists, Booking, Places etc.

2.This application will help in accessing the information related to the travel to the particular destination with great ease. The users can track the information related to their tours with great ease through this application. The travel agency information can also be obtained through this application.

3.Through this system, the proposed system is highly automated and makes the travelling activities much easier and flexible. The user can get the very right information at the very right time. This system will include all the necessary fields which are required during online reservation time. This system will be easy to use and can be used by any person. The basic idea behind this project is to save data in a central database which can be accessed by any authorized person to get information and saves time and burden which are being faced by their customers.

4. Administrator can access and modify the information stored in the database of this system, this includes adding and updating of details, and it will give accurate information and simplifies manual work and also it minimizes the documentation related work. Provides up to date information. Finally booking confirmation notification will be sent to the users.

5.Tourists can register by providing personal details, make new reservation and book only one hotel and package and can make cancellation.

6. Requirements Analysis

1.SOFTWARE SPECIFICATION

Platform independent.

Integrated Development Environment: Netbeans

MySQL WorkBench

Programming language: JAVA

2.HARDWARE SPECIFICATION

System type: 64-bit Operating System, x64-based processor.

Installed memory (RAM):8.00 GB (7.43 GB Usable)

Total size of Hard disk: 1TB

7. Non-Functional Requirements

Performance Requirements

The Tourism management System application should be able to respond to the queries submitted by the customer without much delay. When a user searches for a tour location, the application should not take much time to return the results, similarly for the motel and package information. Considering that the application is of moderate size, it should be able to display 10 results at a time on each page, when the customer looks up for any particular data. Since the Online tourism websites have much traffic, the user should also be able to logon to the system using high speed internet. Most of the requests sent to the application should be answered in less than 5 seconds.

Safety Requirements

The database may get crashed or damaged due to some viruses or operating system requirements. Therefore, it is necessary to have backup for your data. UPS/Inverter facility should be there in case of power failure.

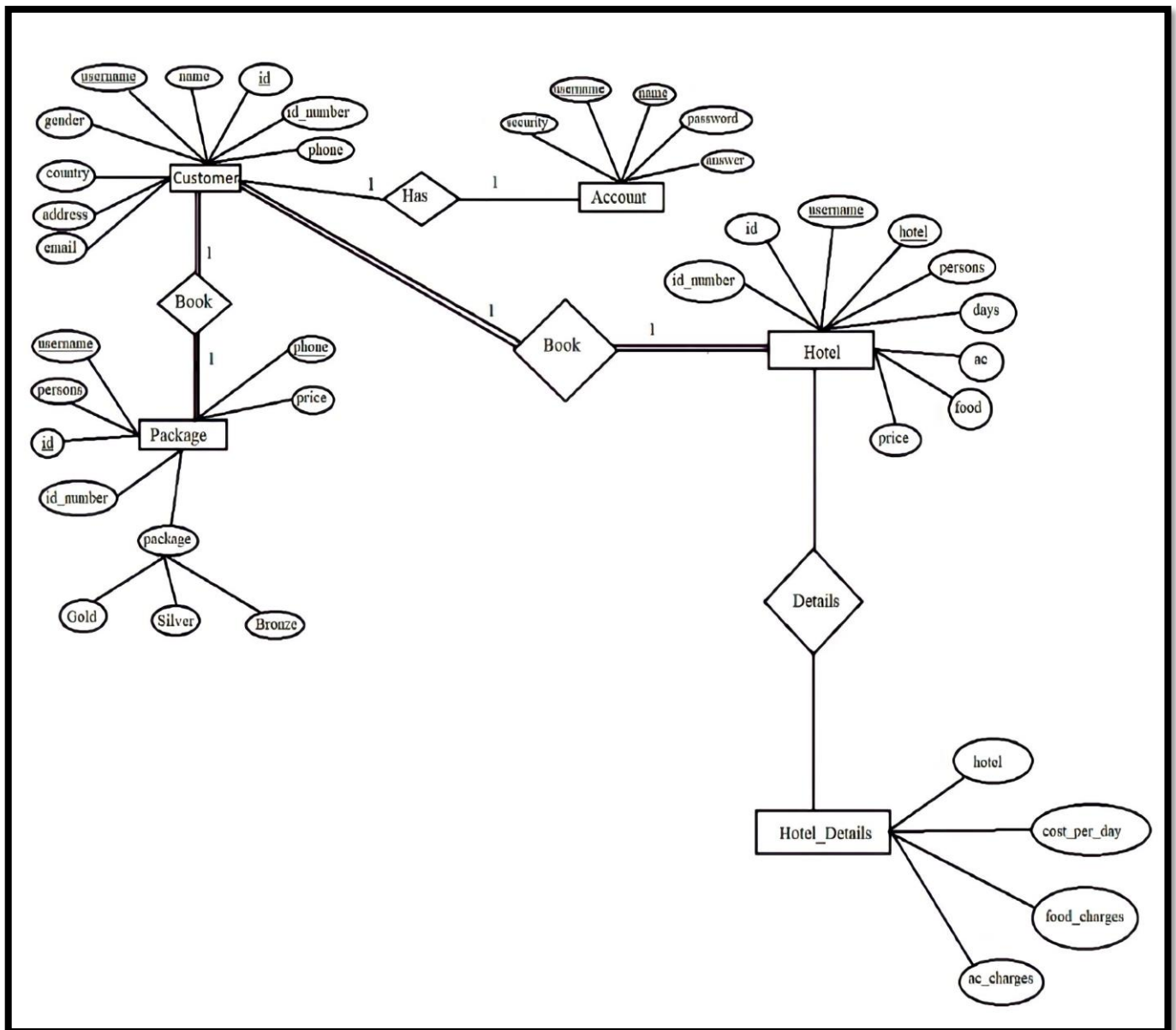
Security Requirements

It must be ensured that access will be provided to the authorized persons through user ID and password. Network security will be provided by the use of firewalls. Checks can be performed at regular intervals to ensure data integrity.

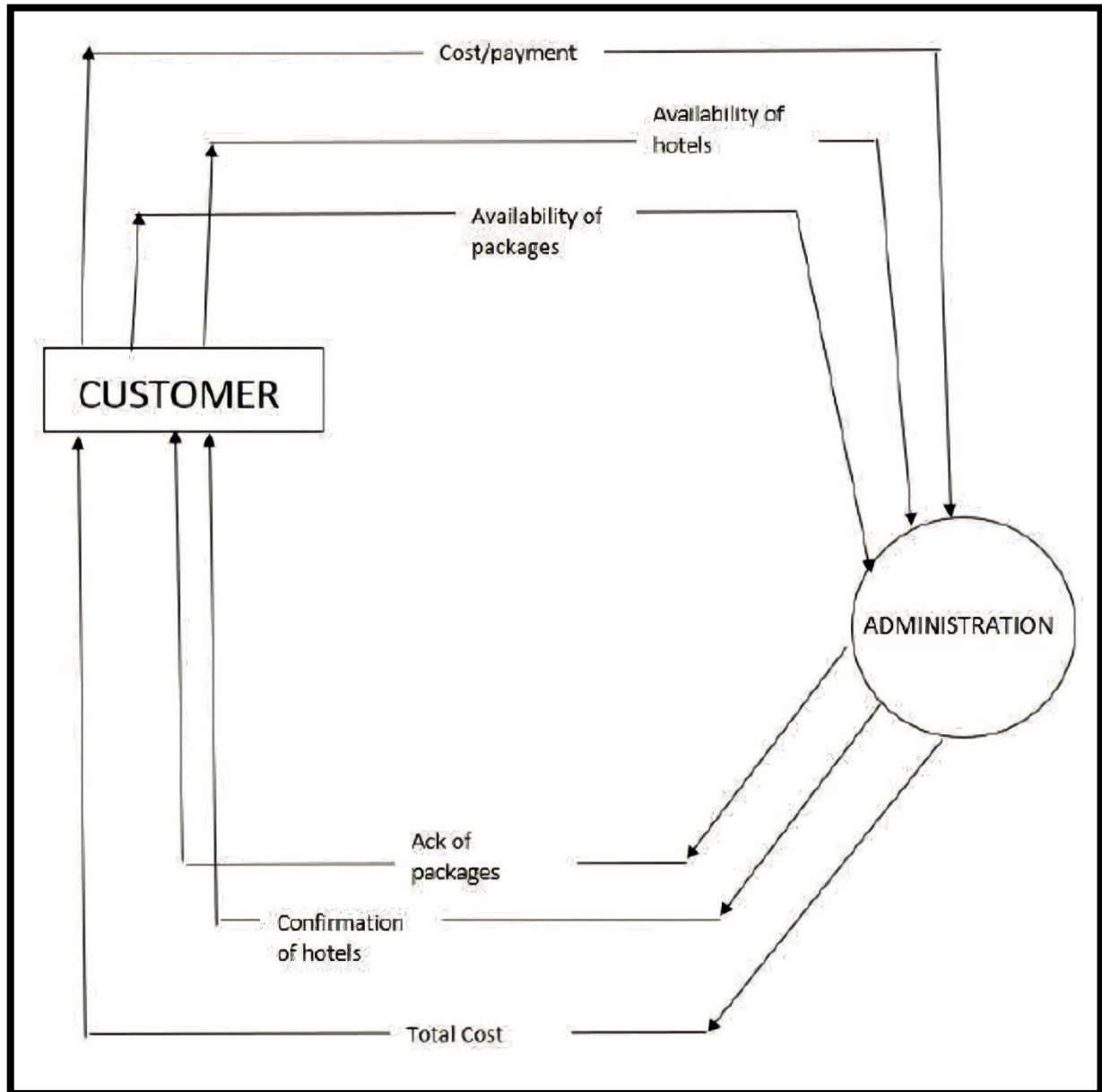
Software Quality Attributes

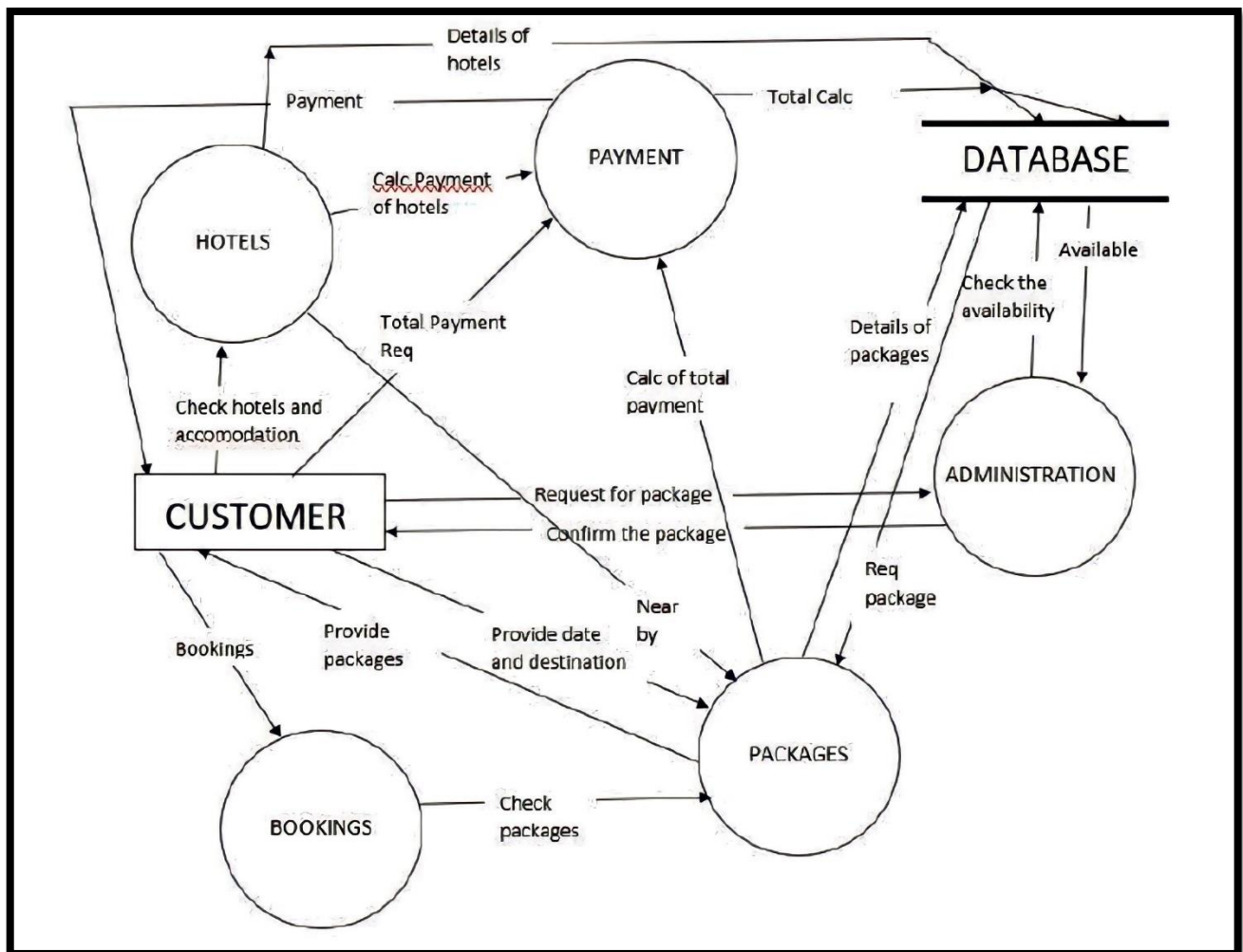
1. Availability: Checking that the system has always something to function and generates a pop-up error message in case of component failure.
2. Usability: Checking that the system is easy to handle and navigates in the most expected ways with no delays.
3. Functionality: Checking that the system provides the right tools for editing questions databases, creating session tests and analyzing them

8. ER Diagram

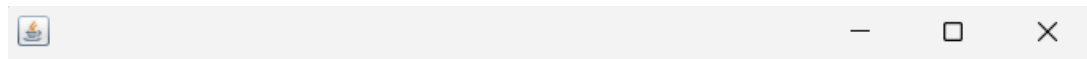


9. Data Flow Diagram





10. Screenshots



Create-Account



Username :

Name :

Password :

Security Question :

Answer :



Username :

Password :

Trouble in Login?


Username

Name

Your Security Question

Answer

Password



WanderLux

21%

Please Wait....

Welcome wiki

Travel and Tourism Management System

[CUSTOMER](#) [PACKAGES](#) [HOTELS](#) [DESTINATION](#) [PAYMENT](#) [UTILITY](#) [ABOUT](#)

WanderLux

Travel and Tourism Management System



11. Features

1.User-friendly booking options

Every business is dependent on its user experience. As far as the travel industry is concerned, if a user face any difficulties in booking their rides, accommodation, etc they will approach other TMS. To avoid losing business or customers, building a user-friendly booking tool is most important.

2.Tracking of users' trips, bills

Booked a ticket for your next trip? There is still some more work to be done by the agency. This is the time where the work of a travel agency starts, providing feasible services like booking, billing, check-in, check out, tracking of their customers is also equally important.

3.Transportation matters

Any user who is availing the air, hotel services, may expect the transportation should be available on a single platform on which they can book their pre-post air transportation like car, bus, or train. Many TMS can think of extending their services in cars, buses, rail.

4.Customized policies

The policy is the most important feature in the travel management system not only for end-users but also for agents and agencies. Policies may differ for each and every service.

Different pricing policy for normal citizens and senior citizens

Global Policies for domestic and international travel may vary

Advance booking policies may vary to each agency

5.Customizable workflows

What if any user has a different situation than you listed in your policies? Then every TMS system should have the ability to adapt to change and act on new workflows to tackle that situation.

6.Easy Payment options

We can expect easy and upgraded payment options other than cash from TMS while traveling like QR codes, UPI IDs, online banking, debit or credit cards

7.Wide inventory

Maintaining a large inventory (large number of hotel/car/ bus vendors, agents) in travel management system are most beneficial. If you don't have enough availability of low-cost accommodation, it may tend towards loss of great market exposure eventually resulting in loss of business.

8.Mobile app to broadcast necessary information

According to a survey, more than 3 billion people use smartphones nowadays, so it will be easy for Travel management systems to start sending updates on a mobile app for all the users

9.Store user profile's data

To avoid repetitive approaches to fill forms or user information, it is important to have a feature of auto-saving user's data such as personal information, PNR details, travel history, etc.

10.Clear Out of policy information

If any Air/Hotel/Car service is not operational due to any reason, the user expects from travel management to send a clear message that this Service is Out of Policy.

11.Being in touch with the traveler during the entire journey

Giving comfortable service can be achieved by being in touch with a customer every now and then. Also being in touch will be beneficial for marketing future packages.

12.Frequent Traveler policies

Every company has a different policy for its frequent travelers. Some provide points that can be redeemed the next journey or they provide a card to swipe and avail discounts. Either way the travel management system should have an option to save travelers points for their loyal customers.

13.Consolidate invoicing options

In every billing system, prices are divided into different categories. The pricing breakup should be in a consolidated manner which makes a customer aware of all the prices he is paying for.

14.No redirects

There are many companies that don't have their own service providers, so they internally have a contract with other providers and sell on their own sites or companies. It's the travel management system that end-users should see any redirect while availing services from particular companies

12. Plan of work

Work	Time
1. Topic Decision	1 Week
2. Collecting information and understanding project Overview	1 Week
3. SRS Design	4 Days
4. Presentation-1	1 Day
5. Front End	1 Week
6. Back End	2 Weeks
7. Presentation-2	1 Day
8. Report and ppt	1 Week

13. Conclusion

The process of the system we can consider here, can maintain the databases of the system. We can insert to the databases and retrieve all the information.

The main aim of this project is to help the tourists to manage their trip. It makes all operation of the tour company easy and accurate. The standalone platform makes tourism management easy by handling requests and providing servers for the customers located at different parts of the various cities. Different modules have been incorporated in this project to handle different parts and sector of the tour management field.

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