



INSTITUTE FOR ADVANCED COMPUTING AND SOFTWARE DEVELOPMENT
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Documentation On

“Etour Management System”

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Project Guide

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Introduction:

Tour Management system is a dynamic website for tourism business. It is dynamic and responsive web design. It is also called travel technology solution for agencies & tour operation. Nearly Everyone goes on a vacation for this 'a Tourism management system' would play a vital role in planning the perfect trip. The tourism management system allows the user of the system access all the details such as 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. Tourists are more attractive for cultural diversity of the world. Bangladesh is one of the most beautiful country in the south Asia. Rangamati, Cox's Bazar, Saint-Martin, Sundarbans, Sylhet, Moulvibazar are the famous tourist place in Bangladesh as well as in Malaysia, Singapore, Bangkok, Maldives, Nepal, India have attractive tourist places.

Scope:

Tourism Management System is an integrated software developed for tour operating companies. The main aim of this project is to help the tourism companies to manage their customers, vehicles, and agent. It makes all operation of the tour company easy and accurate. The standalone platform makes tourism management easy by handing agencies 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.

Objectives

The Tourism Management System is a web based application and maintains a centralized repository of all related information. The Objective of this project is to develop a system that automates the process and activities a travel agency and customer details. The purpose is to design a system using which one can perform all operations related to travelling and sight- seeing.

Project Outcomes

There are some objectives or outcomes of each project. So, our Project has some outcomes or objectives. These objectives are given below briefly.

- This System will provides to connect directly Customers and Agent through internet.
- This System provides facilities to modify and delete tourist's data as well as client data.
- This System provides feedback mechanism for tourist.
- This System provides some social media links.
- This System provides information about the Inbound and Outbound Tour Packages.
- This System provides & controls the database of tourists' information.
- This System display attractive tourist places.
- This System give a variety of travel services that will sure to match all your priorities.
- This System help to make strong relationship with customers so that they can enjoy that holiday of their dreams
- This System also helps to develop tourism with different cultures so that they enrich the tourists experience and build pride.
- This System will provide display platform in where a tourist can find their tour places according to their choices.

Finally, we can say that This System will provide easy and efficient work for the agency.

Problem in the Existing System

The present systems are inadequate in providing information and advices to the agencies and customers about tour plans. Often agencies are compelled to rely on local information sources and count on their own experience regarding time and cost. Through phone call they have to get information. There are some problems which exist in our System those are given below concisely.

- There will be many users visiting the portal and hence we require a strong and reliable frontend which can withhold the users on our site.
- We need a strong Database whereas data will be store of everyone.

Requirements

The Tour and Travel Management System is a web based application. The main purpose of “Tours and Travels Management System” is to provide a convenient and easy way for a customer to book tour purposes. To run this System, Software and Hardware Requirements are necessary. Requirements which are needed are given below briefly.

Hardware Requirements:

- Processor – At least 2.30 GHZ
- RAM – At least 4GB

Software Requirements:

- Operating System – Windows.
- Runtime Environment – J2EE
- Frond End – Angular, HTML, CSS,
- Back End – MySQL
- Editor Tools – STS, Visual Code Studio
- Other Graphics Tools – Adobe Photoshop.
- Web Browser – Google Chrome, Firefox, or any compatible update browser.

Project Develop Languages

There are two kinds of languages have used in “Tour Management System”. One is Programming Language and other is Database Language. Front End, We have used Angular, HTML, CSS & Back End, We have used MySQL Database Language in our “Tour Management System”

- ❖ **Programming Language & Markup Language:** J2EE, Angular, HTML
- ❖ **Color Script Language:** CSS
- ❖ **Database Language:** MySQL

Why We used to Develop the above Languages

- ❖ **J2EE:** The **Java EE** stands for **Java Enterprise Edition**, which was earlier known as J2EE and is currently known as Jakarta EE. It is a set of specifications wrapping around Java SE (Standard Edition). The Java EE provides a platform for developers with enterprise features such as distributed computing and web services. Java EE applications are usually run on reference run times such as **microservers** or **application servers**. Examples of some contexts where Java EE is used are e-commerce, accounting, banking information systems.
- ❖ **Angular:** AngularJS is a structural framework for dynamic web apps. It lets you use HTML as your template language and lets you extend HTML's syntax to express your application's components clearly and succinctly. AngularJS's data binding and dependency injection eliminate much of the code you would otherwise have to write. And it all happens within the browser, making it an ideal partner with any server technology.
- ❖ **HTML:** This is markup script Language for creating web page. I have used it different section in our “Tour Management System” Such as for making “Header & Footer” in home page. Inbound and Outbound Title’s information.
- ❖ **CSS:** Cascading Style Sheet is a Style sheet language that mostly used to design website. I have used this style sheet language in different section at our project. Such as “Admin Panel” Design, Home Page “Top Navigation Drop Down Bar” design.

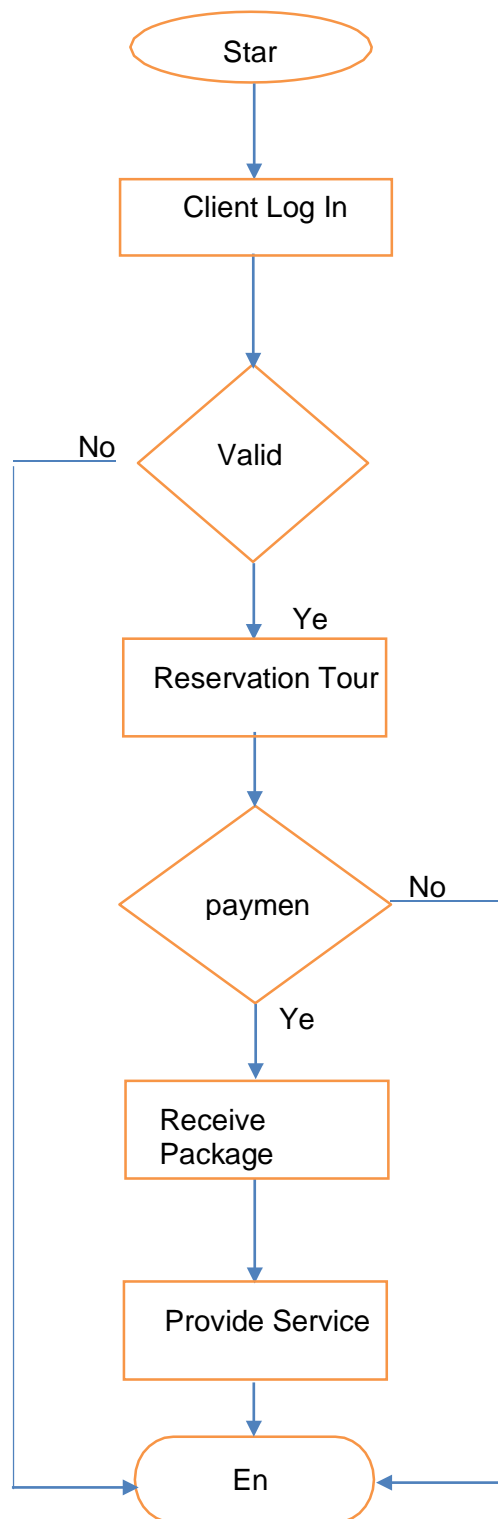
Flowchart:

Fig.1 Flowchart

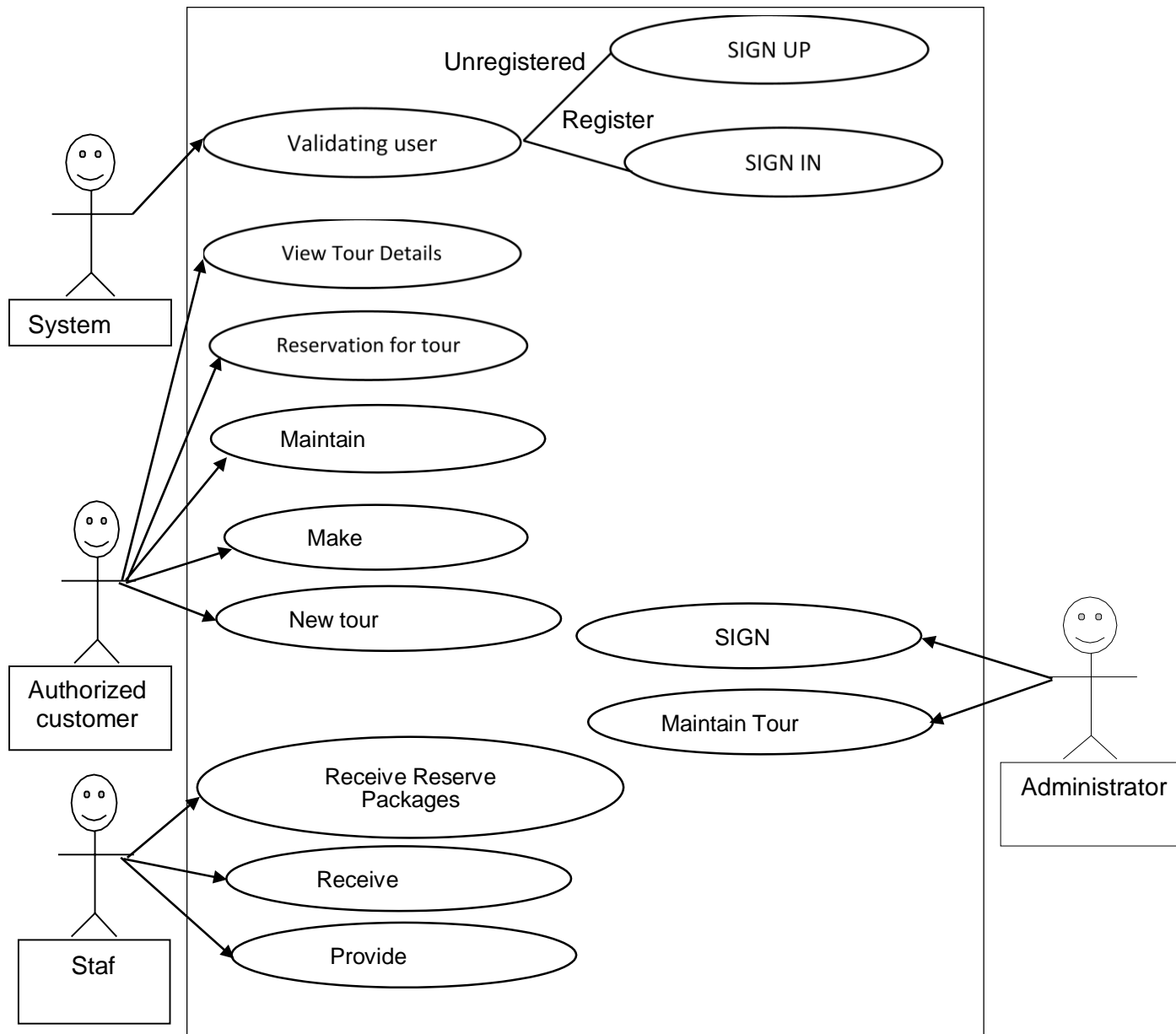
Use Case Diagram:

Fig.2 Use Case Diagram

Data Flow Diagram

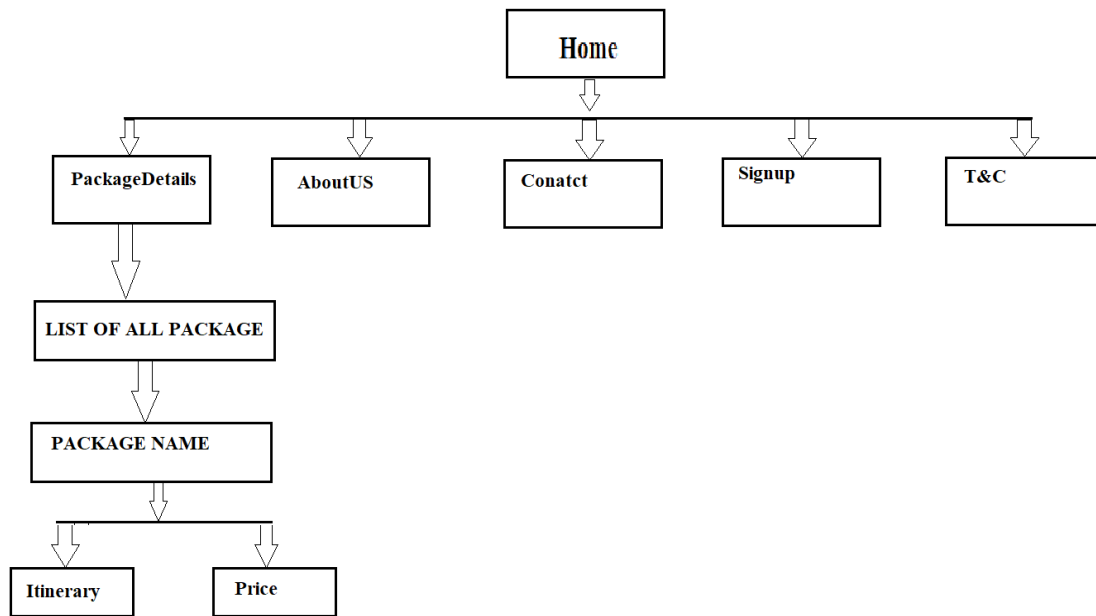


Fig.3 Data Flow Diagram

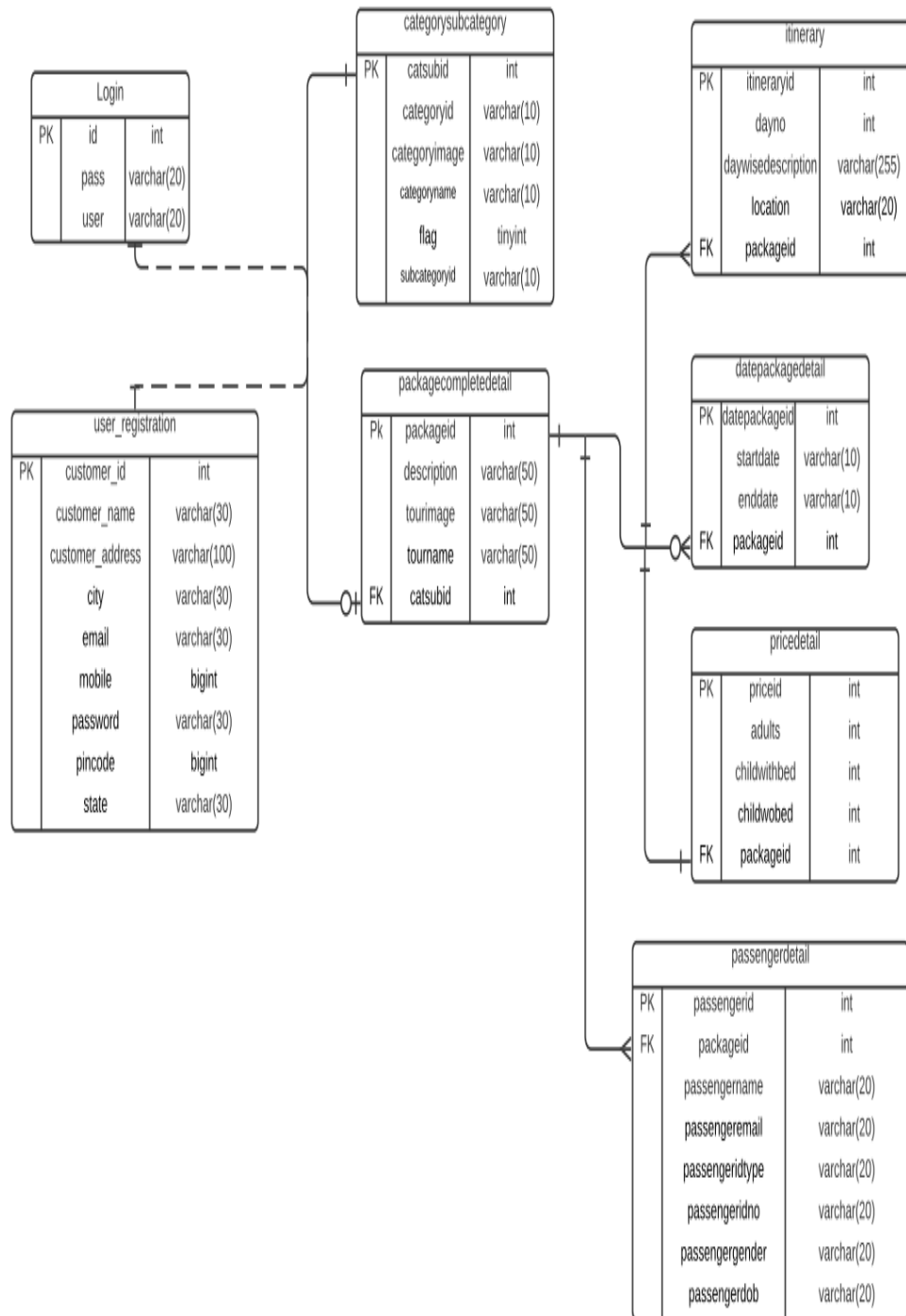
ER Diagram:

Fig.4 ER Diagram

Admin Activity Diagram

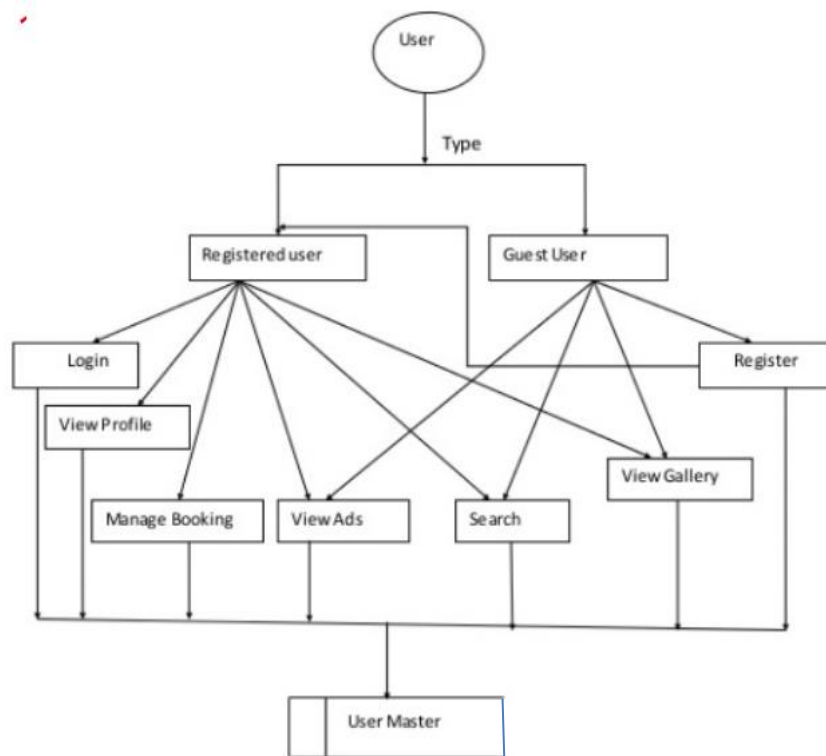


Fig.5 Activity Diagram

Table Structure

User_Registration					
Field	Type	Null	Key	Default	Extra
customer_id	bigint	NO	PRI		
City	varchar(255)	YES			
customer_address	varchar(255)	YES			
customer_name	varchar(255)	YES			
Email	varchar(255)	YES			
Mobile	bigint	NO			
Password	varchar(255)	YES			
Pincode	bigint	NO			
State	varchar(255)	YES			

Login					
Field	Type	Null	Key	Default	Extra
Id	int	NO	PRI		
Pass	varchar(255)	YES			
User	varchar(255)	YES			

Packagecompletedetail					
Field	Type	Null	Key	Default	Extra
packageid	int	NO	PRI		auto_increment
description	varchar(255)	YES			
tourimage	varchar(255)	YES			
Tourname	varchar(255)	YES			
Catsubid	int	NO	UNI		

Categorysubcategory					
Field	Type	Null	Key	Default	Extra
Catsubid	int	NO	PRI		
categoryid	varchar(255)	YES			
categoryimage	varchar(255)	YES			
categoryname	varchar(255)	YES			
Flag	tinyint	NO			
subcategoryid	varchar(255)	YES			

DatepackageDetail					
Field	Type	Null	Key	Default	Extra
datepackageid	int	NO	PRI		auto_increment
enddate	varchar(255)	YES			
startdate	varchar(255)	YES			
packageid	int	NO	MUL		

Itinerary					
Field	Type	Null	Key	Default	Extra
itineraryid	int	NO	PRI		auto_increment
dayno	int	NO			
daywisedescription	varchar(255)	YES			
location	varchar(255)	YES			
packageid	int	YES	MUL		

Passenger details					
Field	Type	Null	Key	Default	Extra
passengerid	int	NO	PRI		
d_ob	date	YES			
email	varchar(255)	YES			
packageid	int	NO			
passengername	varchar(255)	YES			
user_passport_no	char(8)	YES	UNI		

Pricedetail					
Field	Type	Null	Key	Default	Extra
priceid	int	NO	PRI		auto_increment
adults	int	NO			
childwithbed	int	NO			
childwobed	int	NO			
packageid	int	NO	UNI		

Problem Facing During Development

I have faced some problems during development “Tour Management” Web based Application. Some Problems are given below briefly.

- I. Requirement Gathering Phase:** It is very important step. If the requirements are not good, the project will fail. At that time, I became disappointed when I was collecting information and data then what information and data will be helpful or appropriate for this project.
- II. During Design Phase:** In this time. I was confused for drawing Flowchart because which flowchart will become better for this project.
- III. Development Phase:** It is a critical part of the project. At this time, We have mistaken semicolon (;) at the end of statement.
- IV. Testing Phase:** It is necessary part of the project. This part will help to test the whole project. In this time, We have faced some bugs of the project.

Future Development

Future Development is very important for each project because It includes latest features in the System. It reduces software bugs and problems. It creates strong relationship with customer according their feedback or choices. I will integrate some dynamic features in our Tour Management System which features may integrate these are explaining briefly.

- Reporting module with real time mechanism.
- Latest design structure with seamless flow.
- E-mail & Mobile confirmation System.
- Online booking System.
- Online payment system.

Conclusion:

Tourism is currently recognized as a global industry which is highly growing at a high rate like other industry. There are many different activities are occurred in tour activities. Our 'Tour Management' web based application helps in online distribution of tour packages, hotel, hotel properties, transfer etc. This 'Tour Management System' can be fully customized with integration different API's. It has friendly environment that connects customer willingly.

Finally, I can say that this Web Based Application will help tour manager to control and handle the tour related activates effectively and efficiently.

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