



## AMIT TOURS AND TRAVELS MANAGEMENT SYSTEM

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**Abstract:** This study has been undertaken to develop the new reservation system for the Amit tours and travels management system. Tourism Management System is a complete tourist fully integrated tourism web site. The website covers all the areas required for an including tourism, This project is developed to manage the tourist in the tourism management web site. The main module in this project are login,tourist management, complaints and reports.

**Index Terms – Reservation,**

### I. INTRODUCTION

#### ORGANIZATION PROFILE

Name: - AMIT Tours and Travels

Address: - A-3 PANCHSHEEL SAINIK SOC. VADODARA

Mobile No.: - 8460767292

Manager: - Mr. PRAVEEN KUMA

ORGANIZATIONAL HISTORY: -

AMIT Tours and Travels Management System would like to introduce itself as one of the emerging Tours and Travels Agencies in Vadodara keeping the most important factors of travel Safety, Security, and quality services for its customers. This organization was founded by Mr. AMIT AND MR. PRAVEEN in 2015.

The guiding principle of safe travel has always been the key factor for its customers/clients to extend their excellent service.

They start with Safety and Security, Discipline, Sincerity, and integrity with Quality and Punctuality in a professional manner keeping their customers centric with innovation, moving towards Social and Environmental responsibility with a passion for customer service.

The mission of Michael Tours and Travels is to satisfy and gratify the customers by providing them with the finest & Economical tour packages as per their requirements with utmost comfort.

AMIT Tours and Travels Management System Highlights: -

- 24 hours round clock service.
- 365 days working.
- Centrally located office in Vadodara (Gujarat)
- Follow up with Clients for services rendered.

### II. SYSTEM STUDY AND ANALYSIS

Existing System:

All Work is done Manually.

In the Manual, Booking System Customer must go to the Tours and Travel Agency. Ask Inquiry for about Travelling then Book a ticket Finally Pay Payment & Collect the Receipt. Difficult To Maintain the Customer Details of Package and Payment

Receipt in Register. They Register Tour Package in the notebook. Add advertisement in Local newspaper or Local Market. Use Travelling Facility for the Limited Area or Person.

#### Proposed System:

- To Create a Web-Based Application For our Organization.
- To Provide a Search Facility for Customers.
- To Generate Different Types of Reports.
- To Provide online Package Ticket Booking and an Online Payment Facility For Customer.
- To Provide package Details.
- Customer Can Cancel the Booking and then Return 15% Less deducted from the Amount.

#### Services provided by Tour and travels System -

- View package.
- Search package
- Booking
- Cancel booking.
- Online payment

#### Planning phase

#### **FEASIBILITY STUDY:**

The feasibility study is undertaken to determine the possibility of either improving the present system or developing a completely new system. It helps to obtain an overview of the problem and get an idea of whether a feasible solution exists.

**Operational Feasibility Study:** The current system is manual. Thus, processing large amounts of data becomes a cumbersome activity. Reports that are generated are difficult to prepare manually and are also error-prone. Operationally the Proposed system is feasible because there is sufficient support for the project from management. It will be running smoother and faster than the existing system.

**Technical Feasibility Study:** Generally, a new system brings new technology into an organization. The proposed system requires technology and equipment, which can be obtained. the operating system has the technical capacity to hold the data required to use the proposed system. The present equipment technology assures a technical guarantee of accuracy, reliability, and ease of access.

**Legal/Ethical Feasibility Study:** Determines whether the proposed system conflicts with legal requirements.

**Schedule Feasibility Study:** A project will fail if it takes too long to be completed before it is useful. Typically, this means estimating how long the system will take to develop, and if it can be completed in each time using some methods like a payback period. Schedule feasibility is a measure of how reasonable the project timetable is. Given our technical expertise, are the project deadlines reasonable? Some projects are initiated with specific deadlines. You need to determine whether the deadlines are mandatory or desirable.

**Resource Feasibility Study:** This involves questions such as how much time is available to build the new system, when it can be built, whether it interferes with normal business operations, the type and number of resources required, and dependencies.

**Cultural Feasibility Study:** In this stage, the project's alternatives are evaluated for their impact on the local and generated culture. For example, environmental factors need to be considered and these factors are to be well-known. Further, an enterprise's own culture can clash with the results of the project.

#### MILESTONES

Sr. No	Activity	Description	Period
1.	Planning	In this phase I have plan out what the modules of my project & how to make those modules.	3 weeks
2.	Requirement	In this phase I have noted down all requirement for my project.	4 weeks
3.	Analysis	In this phase I have analyze the old system & solve those limitation into my software.	5 weeks
4.	Database Design	In this phase I have designed my database tables for my project.	2 weeks
5.	Form Design & Report Design	In this phase I have designed all the project forms & project reports.	2 weeks
6.	Coding	In this phase I have started my hard coding of my project	7 weeks
7.	Test & Implementation	After my coding phase is completed, I started with testing of my software. After software works successful, I have implemented that software on the system of an organization.	3 weeks

**Fact Finding Techniques**

We mainly used three fact finding techniques to find out for ourselves the correct information based on which we will build the software.

These fact-finding techniques are extremely important because these are the facts on basis of which we can build the software that comprises of a friendly environment for the members work with. This is the reason why fact finding is an important activity grouped under the second phase.

“Requirement Analysis” of the Software Development life cycle.

The techniques which were used by us include:

- Interview and Questionnaire
- Document sampling

Work site observation Interview & Questionnaire:

This is considered as one of the best fact-finding techniques. This includes direct interaction with the customer. It is considered as the best technique, because it is the only way the user can reveal the details & fact about his past, present & expected working, requirements, technologies.

. These are the information which give us the description of the systems, we have to we have to implement our logic and our own ideas & make this description to turn to reality, to work as module.

**III. BACK AND FRONT END**

Front-end and Back-end:

Front-end: Java, Bootstrap (Framework)

Back-end: MySQL

Hardware and Software Requirements:

Minimum Hardware Requirements:

- Processor: PIII 500MHZ or above
- RAM: 128MB RAM
- Hard Disk: 100MB Free Hard disk space
- Monitor: Standard Color Monitor

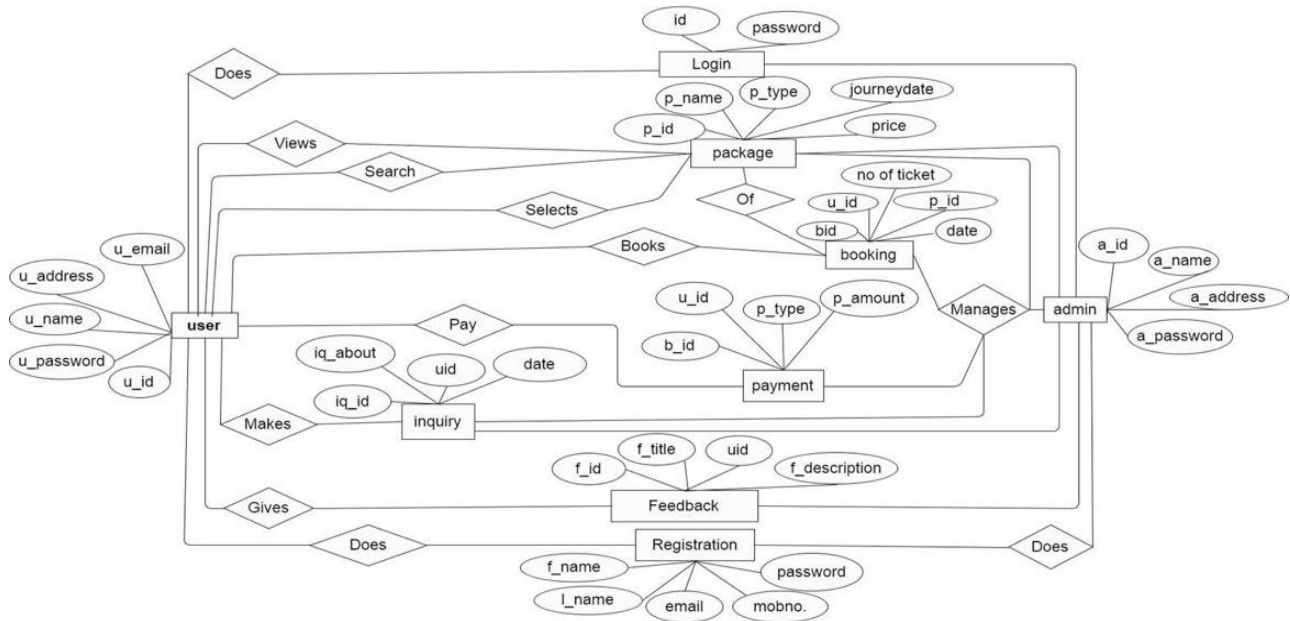
Minimum Software Requirements:

- Operating System: Any Windows Family
- Software: Java
- Database: MySQL

**IV. SYSTEM DESIGN AND DEVELOPMENT**

- ⇒ System design is the solution to the creation of a new system. This phase is composed of several systems. This phase focuses on the detailed implementation of the feasible system. It emphasis on translating design specifications to performance specification. System design has two phases of development logical and physical design.
- ⇒ During logical design phase the analyst describes inputs (sources), out puts (destinations), databases (data sores) and procedures (data flows) all in a format that meats the uses requirements. The analyst also specifies the user needs and at a level that virtually determines the information flow into and out of the system and the data resources. Here the logical design is done through data flow diagrams and database design.
- ⇒ The physical design is followed by physical design or coding. Physical design produces the working system by defining the design specifications, which tell the programmers exactly what the candidate system must do. The programmers write the necessary programs that accept input from the user, perform necessary processing on accepted data through call and produce the required report on a hard copy or display it on the screen.

ER DIAGRAM

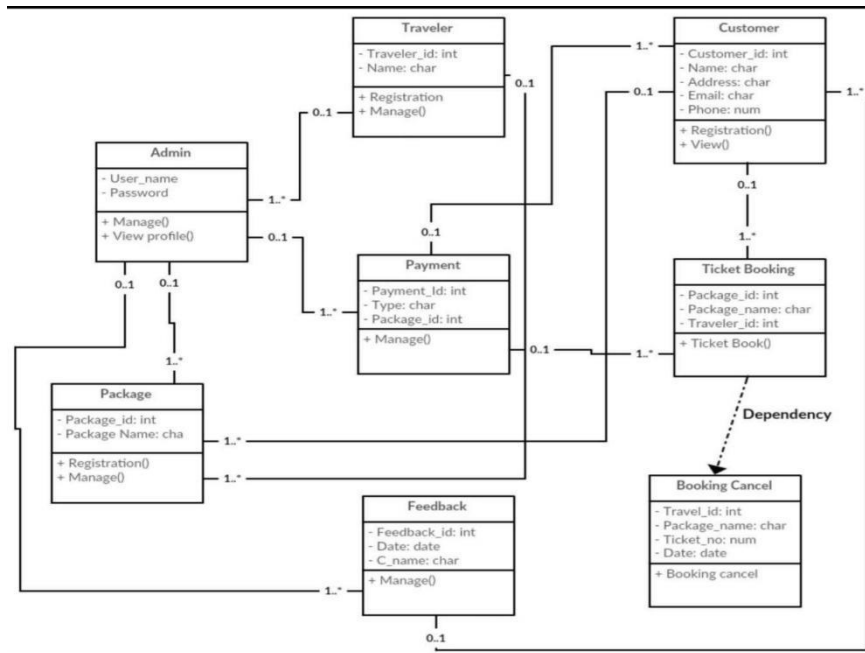


EVENT TABLE

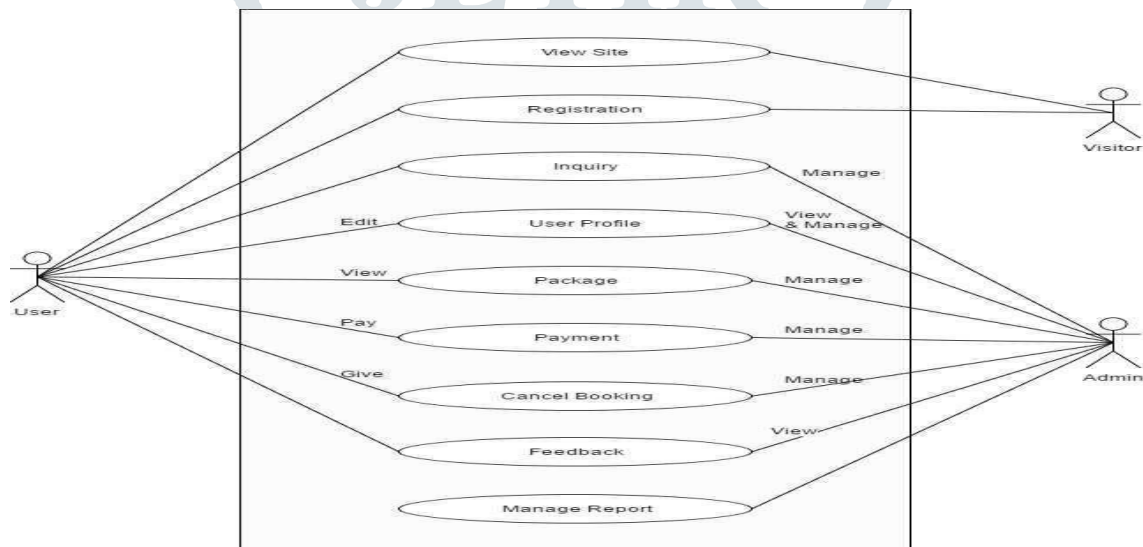
<u>Event</u>	<u>Trigger</u>	<u>Activity</u>	<u>Source</u>	<u>Response</u>	<u>Destination</u>
Customer enquires their problems	Enquiry about Reservation, Concession or Bus Details	Look up Concession or Reservation availability	Customer/Passenger	Status of problem and their solution	Customer/Passenger
Passenger takes Reservation	Reservation Details, Passenger Details	Create Passenger Reservation details	Customer/Passenger	Passenger gets ticket number	Customer/Passenger
Passenger Cancels or changes the Reservation	Cancellation	Update Cancellation record/ Create Cancellation details	Customer/Passenger	Status of Cancellation	Customer/Passenger
Student or Non-Student ask for concession	Concession enquiry	Create Concession details	Student/Non-Student	Get concession Slip	Student/Non-Student
Non-Student apply for Pass (Concession)	Non-Student Details	Creates pass details	Non-Student	Pass	Non-Student
Girls of School apply for pass	Girls' details	Generates pass	School girls	Free Pass	School Girls

UML DIAGRAMS

**CLASS DIAGRAM**



**USE CASE DIAGRAM**



**MENU TREE**

- Login
- MDI Form
- Employee Details
- Driver’s Info
- Conductor’s Info
- Bus Details
- Long Route
- Short Route
- Concession Details
- Select
- Normal Concession
- Free Concession
- Reservation
- Select
- Reservation
- Cancellation
- Pantry
- Report
- Reservation
- Cancellation
- Concession
- Utility

- Calculator
- Notepad
- Exit

**CRUD TABLE**

Table Form	Employee Details	Driver Info	Conductor Info	Bus Master	Long Route	Short Route	Normal Concession	Free Concession	Reservation	Cancellation
Employee details	CRUD									
Driver Info		CRUD								
Conductor Info			CRUD							
Bus Master				CRUD						
Long Route					CRUD					
Short Route						CRUD				
Normal Concession							CRUD			
Free Concession								CRUD		

**FUTURE ENHANCEMENTS**

- Logical and technical errors will be less found in the future.
- The system will be more user-friendly as compared to today's system.
- The system will have more detailed information about the different places and other new routes.
- In the security vision, username and password authentication are more secure than today's model.

**PROCEDURE OF DEPLOYMENT**

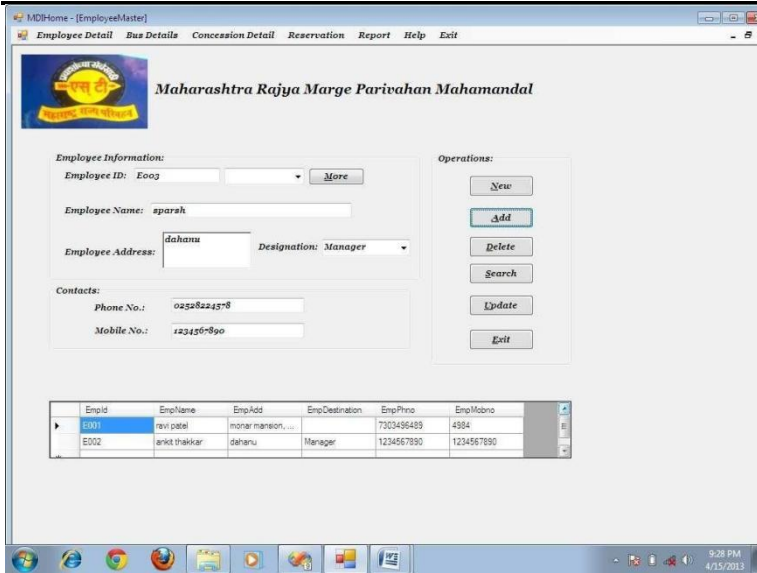
- Install the Microsoft SQL 2008.
- Restore or attach the database backup.
- Install the VB.NET.
- Establish the connection with the local SQL server.
- Double Click on the setup file.

**THE DEVELOPED SYSTEM REVIEW****LOGIN**

First, the customer will log in with his user id and password and log in successfully.

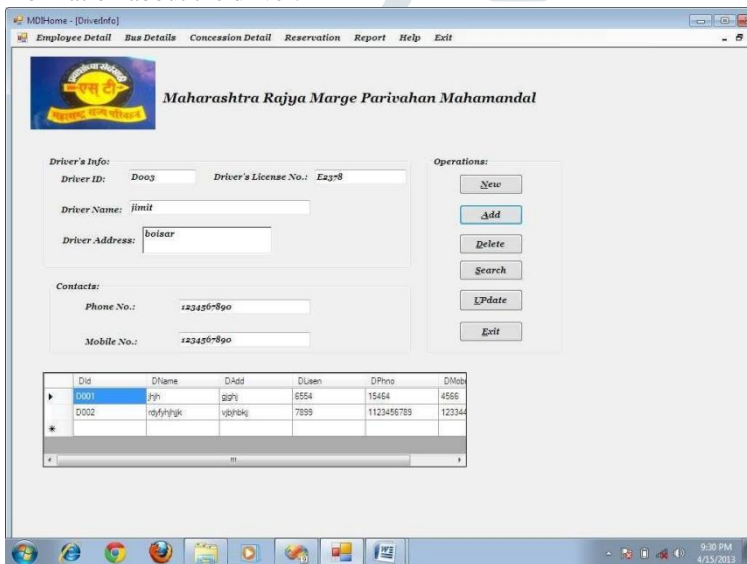
**EMPLOYEE MASTER**

A form will open where he/she must give his/her details and his/her schedule. After that, he will fill full details of his tour which will come to us.



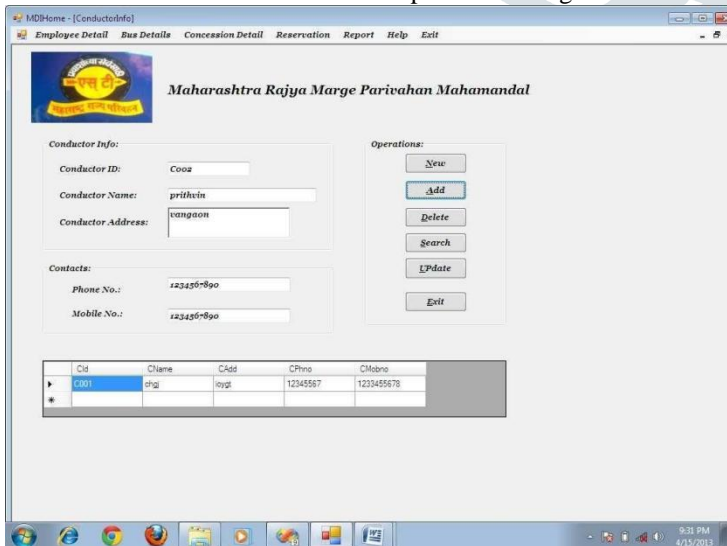
**DRIVER INFORMATION**

Pick up and drop off after successful final information provided by driver and customer. Where the customer will have complete information about the driver.



**CONDUCTORS INFORMATION**

Where the customer will have complete knowledge about the conductor.



**BUS MASTER**

Bus report and car report with the number provided to the customer.



Bus cancellation concessions and other information are provided to the customer through the App and website.

- 1- LONG ROUTE INFORMATION
- 2- SHORT ROUTE INFORMATION
- 3- SELECTION OF CONCESSION
- 4- NORMAL CONCESSION PASS
- 5- SELECTION FOR RESERVATION/ CANCELLATION
- 6- Reservation
- 7- Concession Report

## V. CONCLUSION

It was a great opportunity for us as a student to learn and understand various aspects associated with project development. I did undergo from various phases of the project development life cycle analysis, design, coding, implementation, and testing.

The preceding material is a sincere effort from my side to create the “STATE TRANSPORT MANAGEMENT” software as my project work for MBA (I.T.) project. I got the idea about the ups and downs taking place during the project development. I analyzed the problems and solved those problems that were faced in my project.

The project shows the flow of each transaction that is being carried out by the desired use case.

## VI. ACKNOWLEDGMENT

I have taken efforts in this project. However, it would not have been possible without the kind support and help of many individuals. I would like to extend my sincere thanks to all of them. I am highly indebted to them for their guidance and constant supervision as well as for providing necessary information regarding the project & also for their support in completing the project. I would like to express my gratitude towards my parents and teachers for their kind cooperation and encouragement which help me in the completion of this project.

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