Information Systems and Data Modeling IT1090





Title: Tourism & Travel Management System

Batch Number: Y1. S2. CSNE.01 Group Number: MLB_CSNE.01_12

Declaration:

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We hereby certify that no part of this assignment has been copied from any other group's work or from any other source. No part of this assignment has been written / produced for our group by another person except where such collaboration has been authorized by the subject lecturer/tutor concerned.

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Introduction

Tourism and travel drive the global economy because these epitomes feed into the socio-economic development in the spheres of employment opportunities, cultural exchanges, and local industries. Increased demand for travel, therefore, calls for appropriate systems that reduce the different complications that come with the growth of the tourism sector. It will also bring into one platform all the functions being carried out by travel agencies and tour operators with regards to bookings and itinerary management, including customer service.

It will also cover the concept of a Tourism & Travel Management System: what it is, the main functionality it has, and how it can lead to better user satisfaction and operational performance. An overview of which technological elements are used to underpin such systems, challenges regarding the implementation of the same, and benefits accruing thereof to the various stakeholders concerned with the tourism sector will also be provided. This is achieved by presenting an apt management setup that will be able to reach out to the dynamic needs of the travelers and thereby facilitate the performance superior in them.

Hypothetical Scenario

Consider a travel agency, say, "Wanderlust Adventures, dealing in customized tours for its customers. The agency faces great difficulty in managing the different bookings, payments recorded, coordination with service providers, and ensuring that no hassle comes to the customer when there is an increase in clientele. In regard to such problems, they plan to implement something called a Tourism & Travel Management System.

It provides an integrated facility to the customers where they can view tour packages, book flights and hotels, go on excursions, and arrange personalized itineraries on one single platform. The application automates booking processes within the TTMS. It sends real-time updates regarding availability and also provides instant payment options. The system shall integrate third-party service providers in regard to airlines and hotels so that any bookings are suitably updated accordingly. This system will also contain a mobile application for the customer in which their itinerary, whether updates, and reminders will be displayed. For the company Wanderlust Adventures, the system reduces manual labor and hence greater efficiency with reduced errors, while at the same time it increases customer satisfaction and provides insight into customer preferences through data analytics.

Requirement Analysis

Main Requirements

Functional Requirements

Main Functions of the website and Events that take place between the users and the system is described by the Functional requirements. Five users are using this Tourism and Travel Management system. Namely: Customers, Guiders, Tour Operators, Transportation Providers and Travelers. They access this system in different ways where it is related to them.

Customer

User Requirements

- The system should allow new customers to create an account using their personal details
- Customers should be able to view and update their personal information.
- Customers should be able to change their password securely.
- Customers should be able to view their past and upcoming bookings.
- Customers should be able to edit or delete their reviews within a specified time frame.
- Customers should be able to search for packages based on various criteria.
- The system should provide filtering options to help customers find relevant travel packages quickly.

System Requirements

- The system will enable the user to register an account using a unique username or email and a password.
- The system shall validate user inputs upon registration regarding the format of the email address and password strength.
- The system shall log in to a customer via credentials.
- The system should grant customers access to their personal data with the ability to view and edit it.

Payment System

User Requirements

- Provide the user with an option to select any payment method: credit/debit cards, PayPal, and other digital wallets.
- The system checks the chosen payment method against the supported ones.
- Users will be able to make their payments securely, with this sensitive information encrypted during transmission.
- The system should adhere to industry standards for secure processing of payments.

System Requirements

- Sensitive payment information shall be encrypted upon transmission by the system. The system shall fully comply with the standards set out by PCI DSS for secure payment processing.
- The system shall show confirmation messages of successful payments with transaction IDs and details.
- The system shall change the status of a payment and the history after refunds are successfully processed.
- The user will be able to view the exact amount payable before confirmation.

Booking system

User Requirements

- The system should provide filtering options to narrow down the search results based on user preference.
- Users should be able to create and manage their accounts, including personal information, payment methods, and booking history.
- The system should allow users to view/download confirmation of their booking from their account.
- Users should be allowed to modify their bookings
- The system should allow the users to cancel the bookings and in turn provide the users with information on refund eligibility.
- There should be customer support available to the users for their queries regarding any booking, modification, or cancellations.

System Requirements

- The system should then provide the facility for users to filter the search results regarding amenities, duration, and customer ratings.
- The system shall allow administrators to change information on packages at any time the administrators deem necessary.
- Every successful booking, the system shall generate a unique booking reference number.
- The system shall provide a cancellation option and specify any associated fees or refund policies.
- The system shall be integrated with various payment gateways for processing payments in a secure manner.

Transport Packages

User Requirements

- Users shall be granted the ability to search for transportation packages based on various criteria such as destination, type of transport- bus, train, flight, and date.
- The system shall enable the setting of filters to reduce results using price, duration, and user ratings as guidelines.
- Users shall be granted the ability to get into each transport package for more detailed information.
- The user shall begin to book the transport package by selecting an option and filling in some details.
- Users should be able to securely pay for the transport package via different modes of payment.
- Users shall be able to manage their accounts by viewing past transport package bookings made, saving preferred payment methods.

System Requirements

- The system shall provide a feature to the administrator for creating, editing, and deleting transport packages.
 - The system should maintain detailed information related to each transport package.
- The system should allow the user to filter search results on such basis as price, duration, and amenities.

- The system shall integrate payment gateways to provide processing of transport package payments safely.
- The system should provide analytics for improving transport services, based on user behavior.

Guide

User Requirements

- Users should be able to view detailed profiles of guides.
- Users shall be able to search for guides based on various criteria.
- The system shall include options to filter results in order to make selection easier for users.
- •The user should be able to book guides according to dates and time.
- The system should represent an individual guide schedule regarding their availability toward booking.
- When a guide who was previously available is booked, and he is not available, that should trigger a notification to users.

System Requirements

- The system shall grant the guides the right to create, update, and delete their profiles.
- The system shall allow administrators to review guide profiles for approval to ensure that the information displayed is of quality and accurate.
- The system should allow filtering of results based on the user-set criteria.
- The system shall summarize booking details for confirmation by the user before confirmation of the booking.
- The system will also be able to notify guides about new bookings, cancellations, or modifications.
- The system shall ensure all communications are secure and private.

Data requirements

> Customer

- Customer_Id
- F_Name
- L_Name
- Phone_No
- Email
- StreetName
- City
- HomeNo
- Age

> Review

- Review_Id
- Customer_Id
- Admin_Id
- Ratting
- Comment
- Date

> Payment

- Payment_Id
- Customer_Id
- PaymentDate
- Method
- Amount

Booking

- Booking_Id
- Customer_Id
- BookingDate
- TotalAmount
- BookingType
- Package_Id

Destination

- Destination_Id
- Name
- City
- Description
- Country

> Transport

- TransportId
- Provider
- Type
- Price
- Booking_Id

> Transport Packages

- Package_Id
- Destination_Id
- PackageName
- Itinerary
- Price
- Duration
- Guide_ID

> Guide

- Guide_Id
- F_Name
- L_Name
- Language
- Experience
- Admin_ID
- Text

Guide_Language

- Guide_Id
- language

> Administration

- Admin_Id
- Phone_No
- Email
- DOB
- Password
- •F_Name
- •L_Name
- City
- Street

Customer_Pay_Payment

- Customer_ID
- Payment_ID
- Payment_Date

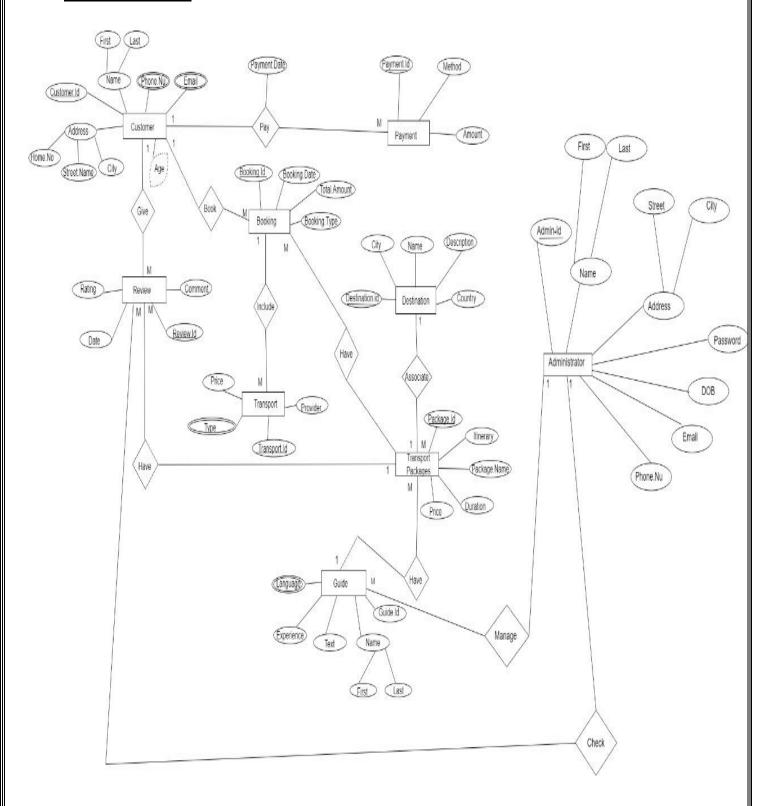
Customer_Email

- Customer_ID
- Email

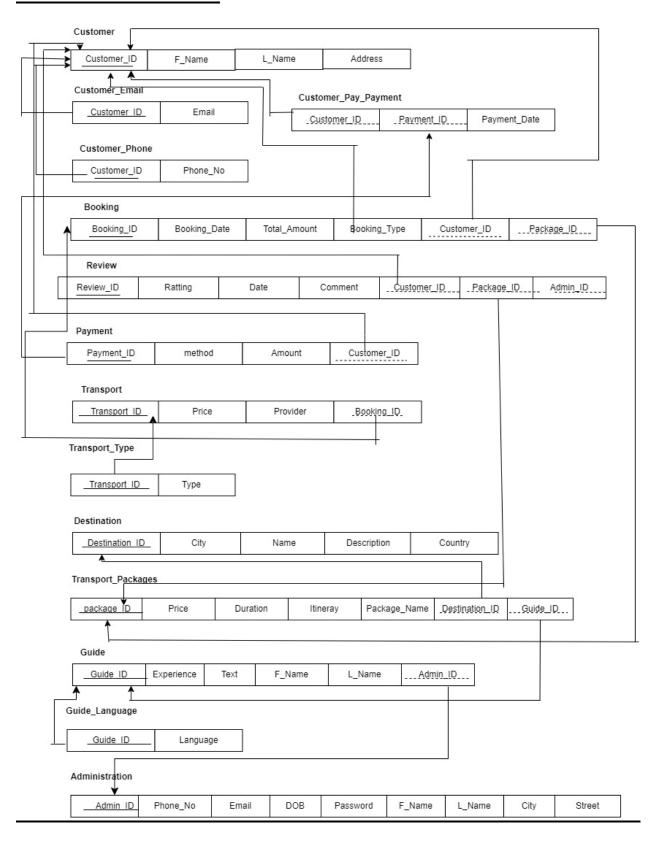
Customer_Email

- Customer_ID
- Phone_NO

ER Diagram



Relational Schema



SQL Queries

Data Base Create

```
/*Create Table*/
CREATE TABLE Customer(
  Customer_ID Varchar(15) PRIMARY KEY,
  First_Name VARCHAR(50) NOT NULL,
  Last_Name VARCHAR(50) NOT NULL,
  Home_No VARCHAR(50) NOT NULL,
  Street_Name VARCHAR(50) NOT NULL,
  City VARCHAR(50) NOT NULL,
  Age INT NOT NULL,
);
/*Customer Table Details */
INSERT INTO Customer VALUES ('C0001', 'Nimsara', 'Nethum', 'hn\102', 'samagipura', 'Nugegoda', 25);
INSERT INTO Customer VALUES ('C0002', 'Heman', 'Harath', 'hn\102', 'mawathagama', 'Maharagama', 34);
INSERT INTO Customer VALUES ('C0003', 'Shahim', 'Hem', 'hn\102', 'nelumapuara', 'Kandy', 28);
INSERT INTO Customer VALUES ('C0004', 'Peni', 'Silva', 'hn\102', 'ranawirumawatha', 'Negambo', 57);
INSERT INTO Customer VALUES ('C0005', 'Gihan', 'Pera', 'hn\102', 'samagimawatah', 'Homagama', 42);
/*Cutomer Phone Table*/
CREATE TABLE Customer_Phone(
 Customer_ID varchar(15) not null,
 Phone_no decimal(10,0) not null
);
/*Customer Phone Table Details */
```

```
INSERT INTO Customer Phone VALUES ('C0001','0713701298');
INSERT INTO Customer_Phone VALUES ('C0002','0713701298');
INSERT INTO Customer_Phone VALUES ('C0003','0713701298');
INSERT INTO Customer_Phone VALUES ('C0004','0713701298');
INSERT INTO Customer_Phone VALUES ('C0005','0713701298');
/*Customer Email Table*/
CREATE TABLE Customer_Email(
 Customer_ID varchar(15) not null,
 Email VARCHAR (50) CHECK (Email LIKE '%_@_%._%') not null,
 CONSTRAINT Cutomer_Phone CHECK (Email LIKE '%@%%'),
);
/*Cutomer Email Table Details */
INSERT INTO Customer_Email VALUES ('C0001','nim@gamil.com');
INSERT INTO Customer_Email VALUES ('C0002','herath@gmail.com');
INSERT INTO Customer_Email VALUES ('C0003','shahim@gamil.com');
INSERT INTO Customer_Email VALUES ('C0004','peni@gamil.com');
INSERT INTO Customer_Email VALUES ('C0005','gihan@gamil.com');
CREATE TABLE Administrator (
  Admin_ID VARCHAR(15) PRIMARY KEY,
  First_Name VARCHAR(40) NOT NULL,
  Last_Name VARCHAR(40) NOT NULL,
  Street VARCHAR(30) NOT NULL,
  City VARCHAR(35) NOT NULL,
  Password VARCHAR(15) NOT NULL,
  DOB DATE NOT NULL,
```

```
Email VARCHAR(35) NOT NULL CHECK (Email LIKE '% @ %. %'),
Phone_No DECIMAL(10) NOT NULL,
);
/* Add table details */
/*Administrator table details*/
INSERT INTO Administrator VALUES ('A0001', 'Kamal', 'Samantha', 'No.56/2, Galle road', 'Kandy', '****', '1984-09-08',
'kamal@gmail.com',0747456123);
INSERT INTO Administrator VALUES ('A0002', 'Madura', 'Dimantha', 'No.9/7, Nugegoda road', 'Nugegoda', '****',
'1990-03-08', 'madura@gmail.com',0767845684);
INSERT INTO Administrator VALUES ('A0003', 'Sakuni', 'Sansala', 'No.36/8, Gothami road', 'Colombo', '****', '1986-11-
08', 'sakuni@gmail.com',0787456128);
INSERT INTO Administrator VALUES ('A0004', 'Sithum', 'Apsara', 'No.25/47, Mahinda road', 'Negambo', '****', '1985-
10-08', 'dimantha@gmail.com', 0779854623 );
INSERT INTO Administrator VALUES ('A0005', 'Malki', 'Jayathilaka', 'No.5/12, Rajakaruna road', 'Malabe', '****',
'1989-04-08', 'malki@gmail.com',0115875247 );
CREATE TABLE
Destination (
  Destination_ID VARCHAR(15) PRIMARY KEY,
  City VARCHAR(50) NOT NULL,
  Name VARCHAR(100) NOT NULL,
  Description VARCHAR(100),
  Country VARCHAR(50) NOT NULL
);
/*Destination Table Details */
INSERT INTO Destination VALUES ('D0001', 'Kandy', 'kani', 'Temple of Tooth', 'Srilanka');
```

```
INSERT INTO Destination VALUES ('D0002','Homagama','shani','Galle Face','Srilanka');
INSERT INTO Destination VALUES ('D0003', 'Hambanthota', 'niamli', 'Safari Park', 'Srilanka');
INSERT INTO Destination VALUES ('D0004','Maharagama','janu','Shopping Mall','Srilanka');
INSERT INTO Destination VALUES ('D0005', 'Kandy', 'heman', 'Fort', 'Srilanka');
CREATE TABLE Guide (
  Guide_ID VARCHAR(15) PRIMARY KEY,
  First_Name VARCHAR(50) NOT NULL,
  Last_Name VARCHAR(50) NOT NULL,
  Experience INT NOT NULL,
Admin_ID VARCHAR(15),
FOREIGN KEY (Admin_ID) REFERENCES Administrator(Admin_ID),
);
/*Guide Table Details */
INSERT INTO Guide VALUES ('G0001', 'Eran', 'Pette', '12', 'A0001');
INSERT INTO Guide VALUES ('G0002','Hens','Deman','02','A0002');
INSERT INTO Guide VALUES ('G0003','Ahem','Fan','09','A0003');
INSERT INTO Guide VALUES ('G0004','Jani','Iran','05','A0004');
INSERT INTO Guide VALUES ('G0005', 'Nima', 'Niker', '10', 'A0005');
CREATE TABLE Guide_Language (
  Guide_ID VARCHAR(15) NOT NULL,
  Language VARCHAR(50) NOT NULL,
  FOREIGN KEY (Guide_ID) REFERENCES Guide(Guide_ID)
);
/*Guide Language Table Details */
```

```
INSERT INTO Guide_Language VALUES ('G0001','English');
INSERT INTO Guide_Language VALUES ('G0002', 'English');
INSERT INTO Guide_Language VALUES ('G0003','English');
INSERT INTO Guide_Language VALUES ('G0004', 'English');
INSERT INTO Guide_Language VALUES ('G0005','English');
CREATE TABLE TransportPackage (
  Package_ID VARCHAR(15) PRIMARY KEY,
  Package_Name VARCHAR(100) NOT NULL,
  Price DECIMAL(10, 2) NOT NULL,
  Duration INT NOT NULL,
  Itinerary VARCHAR(225) NOT NULL,
  Destination_ID VARCHAR(15) NOT NULL,
Guide_ID VARCHAR(15) NOT NULL,
  FOREIGN KEY (Destination_ID) REFERENCES Destination(Destination_ID),
FOREIGN KEY (Guide_ID) REFERENCES Guide(Guide_ID)
);
/*Transport Package Table Details */
INSERT INTO TransportPackage VALUES ('P0001','Herath','19000','03','ASE','D0001','G0001');
INSERT INTO TransportPackage VALUES ('P0002', 'Menka', '19000', '06', 'ASE', 'D0002', 'G0002');
INSERT INTO TransportPackage VALUES ('P0003','Sahan','18000','03','ASE','D0003','G0003');
INSERT INTO TransportPackage VALUES ('P0004','Shan','10000','03','ASE','D0004','G0004');
INSERT INTO TransportPackage VALUES ('P0005','Pethum','15000','05','ASE','D0005','G0005');
CREATE TABLE Booking (
```

```
Booking ID VARCHAR(15) PRIMARY KEY,
  Booking_Date DATE NOT NULL,
  Total_Amount DECIMAL(10, 2) NOT NULL,
  Booking_Type VARCHAR(50) NOT NULL,
  Customer_ID Varchar(15) NOT NULL,
Package_ID VArCHAR(15) NOT NULL,
  FOREIGN KEY (Customer_ID) REFERENCES Customer(Customer_ID),
FOREIGN KEY (Package_ID) REFERENCES TransportPackage(Package_ID)
);
/*Booking Table Details */
INSERT INTO Booking VALUES ('B0001','2019-01-23','12000','Online','C0001','P0001');
INSERT INTO Booking VALUES ('B0002','2020-04-23','10500','Offline','C0002','P0002');
INSERT INTO Booking VALUES ('B0003','2019-02-03','11000','Online','C0003','P0003');
INSERT INTO Booking VALUES ('B0004','2018-02-23','10500','Offline','C0004','P0004');
INSERT INTO Booking VALUES ('B0005','2018-10-27','13500','Online','C0005','P0005');
CREATE TABLE Payment (
  Payment_ID VARCHAR(15) PRIMARY KEY,
  Payment_Date DATE NOT NULL,
  Method VARCHAR(50) NOT NULL,
  Amount DECIMAL(10, 2) NOT NULL,
  Customer_ID Varchar(15) NOT NULL,
  FOREIGN KEY (Customer_ID) REFERENCES Customer(Customer_ID)
);
/*Payment Table Details */
INSERT INTO Payment VALUES ('P0001','2019-10-02','CreditCrad','12000','C0001');
INSERT INTO Payment VALUES ('P0002','2018-03-02','CashDeposite','12000','C0004');
```

```
INSERT INTO Payment VALUES ('P0003','2018-10-22','CreditCrad','12000','C0003');
INSERT INTO Payment VALUES ('P0004','2019-10-02','Paypal','12000','C0004');
INSERT INTO Payment VALUES ('P0005','2019-12-20','CreditCrad','12000','C0005');
CREATE TABLE Review (
  Review_ID VARCHAR(15) PRIMARY KEY,
  Rating VARCHAR(15) NOT NULL,
  Date DATE NOT NULL,
  Comment VARCHAR(225) NOT NULL,
  Customer_ID Varchar(15) NOT NULL,
  Package_ID VARCHAR(15) NOT NULL,
Admin ID VARCHAR(15),
  FOREIGN KEY (Customer_ID) REFERENCES Customer(Customer_ID),
  FOREIGN KEY (Package_ID) REFERENCES TransportPackage(Package_ID),
FOREIGN KEY (Admin_ID) REFERENCES Administrator(Admin_ID)
);
/*Review Table Details */
INSERT INTO Review VALUES ('R0001','08%','2022-10-23','Good','C0001','P0001','A0001');
INSERT INTO Review VALUES ('R0002','07%','2020-10-20','Good','C0002','P0002','A0002');
INSERT INTO Review VALUES ('R0003','10%','2019-09-23','Good','C0003','P0003','A0003');
INSERT INTO Review VALUES ('R0004','12%','2022-10-23','Good','C0004','P0004','A0004');
INSERT INTO Review VALUES ('R0005','09%','2021-11-23','Good','C0005','P0005','A0005');
CREATE TABLE Transport (
  Transport_ID VARCHAR(15) PRIMARY KEY,
```

```
Provider VARCHAR(50) NOT NULL,
  Price DECIMAL(10, 2) NOT NULL,
  Booking_ID VARCHAR(15) NOT NULL,
  FOREIGN KEY (Booking_ID) REFERENCES Booking(Booking_ID)
);
/*Transport Table Details */
INSERT INTO Transport VALUES ('T0001','ASD','11000','B0001');
INSERT INTO Transport VALUES ('T0002','DEF','10000','B0002');
INSERT INTO Transport VALUES ('T0003','AED','12000','B0003');
INSERT INTO Transport VALUES ('T0004','SDR','15000','B0004');
INSERT INTO Transport VALUES ('T0005','CVB','12000','B0005');
CREATE TABLE Transport_Type (
  Transport_ID VARCHAR(15) NOT NULL,
  Type VARCHAR(15) NOT NULL,
  FOREIGN KEY (Transport_ID) REFERENCES Transport(Transport_ID)
);
/*Transport Type Table Details */
INSERT INTO Transport_Type VALUES ('T0001','Bus');
INSERT INTO Transport_Type VALUES ('T0002','Train');
INSERT INTO Transport_Type VALUES ('T0003','Bus');
INSERT INTO Transport_Type VALUES ('T0004','Bus');
INSERT INTO Transport_Type VALUES ('T0005','Car');
Create Table Customer_Pay_Payment(
  Payment_Date DATE NOT NULL,
  Customer_ID Varchar(15),
```

```
Payment_ID VARCHAR(15),

FOREIGN KEY (Customer_ID) REFERENCES Customer(Customer_ID),

FOREIGN KEY ( Payment_ID) REFERENCES Payment(Payment_ID),

);

/*Customer_Pay_Payment*/

INSERT INTO Customer_Pay_Payment VALUES('2019-10-02','C0001','P0001');

INSERT INTO Customer_Pay_Payment VALUES('2018-03-02','C0002','P0002');

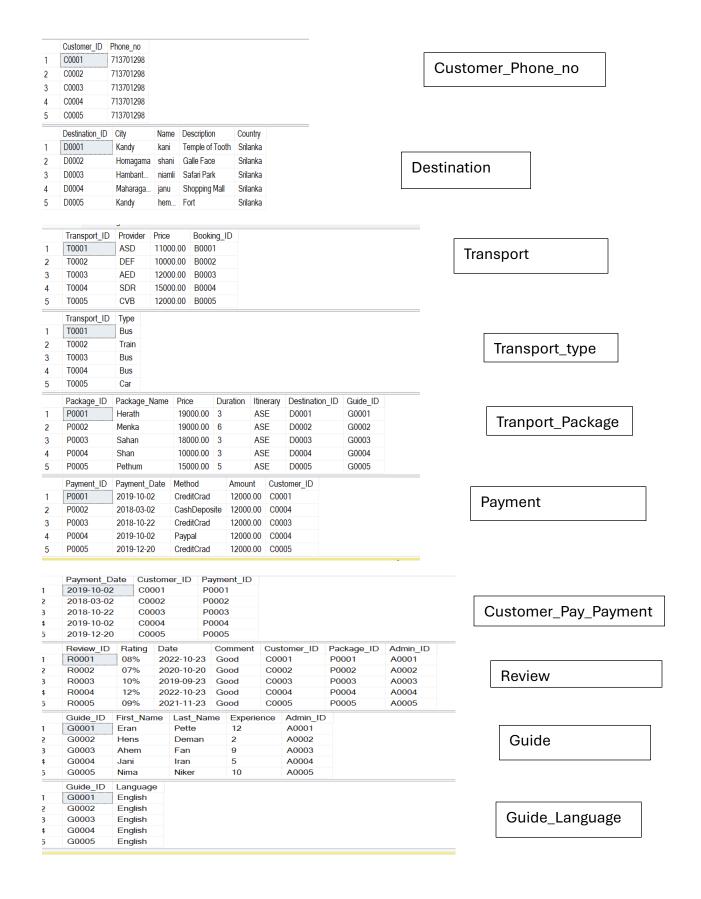
INSERT INTO Customer_Pay_Payment VALUES('2018-10-22','C0003','P0003');

INSERT INTO Customer_Pay_Payment VALUES('2019-10-02','C0004','P0004');

INSERT INTO Customer_Pay_Payment VALUES('2019-12-20','C0005','P0005');
```

Sample Data Output

	Admin ID	First Name	Last Name	Street		City		Passwor	d DO)B	Email	Phone No		
1		-	Samantha	No.56/2, Galle	road	Kan		****		84-09-08	kamal@gmail.com	747456123		
2	L		Dimantha	No.9/7, Nugeo		,		****		90-03-08	madura@gmail.com	767845684		Administration
3			Sansala	No.36/8.Gotha			Colombo			86-11-08	sakuni@gmail.com	787456128	-	
4			Apsara	No.25/47, Mah			ambo	***		85-10-08	dimantha@gmail.com	779854623		
5			Jayathilaka	No.5/12, Rajal				****		89-04-08	malki@gmail.com	115875247		
	Booking_ID	Booking Da	te Total An	nount Bookin	g_Type	Custom	er ID	Package	ID				_	
1	B0001	2019-01-23	12000.0		J= 71	C0001	_	P0001						
2	B0002	2020-04-23	10500.0	0 Offline		C0002		P0002						Booking
3	B0003	2019-02-03	11000.0	0 Online		C0003		P0003						
4	B0004	2018-02-23	10500.0	0 Offline		C0004		P0004						
5	B0005	2018-10-27	13500.0	0 Online		C0005		P0005						
	Customer_IE) First_Name	e Last_Nam	ne Home_No	Street	Name	City		Age					
1	C0001	Nimsara	Nethum	hn\102	samag	ipura Nugegoda		goda	25					Customer
2	C0002	Heman	Harath	hn\102	mawat	hagama	Maha	ragama	34					Oustorner
3	C0003	Shahim	Hem	hn\102	neluma	apuara	Kandy	y	28					
4	C0004	Peni	Silva	hn\102	ranawi	rumaw	Nega	mbo	57					
5	C0005	Gihan	Pera	hn\102	samag	imawa	Homa	agama	42					
	Customer_IE) Email												
1	C0001	nim@gami	I.com											Customer_Em
2	C0002	herath@gr	mail.com											Gustoniei_En
3	C0003	shahim@g	amil.c											
4	C0004	peni@gam	il.com											
	C0005	gihan@ga												



Performance Requirements

A major role is played by Performance Requirements to make the system successful. They are as follows,

- System must be active 24 hours, 365 days for a Registered user to access the system without any inconvenience.
- Speed and Usability are the performance requirements for this system.

Registered users can view plan details.

Registered users can edit or delete his/her account details.

- System loads within a minimum time.
- Manager can add or remove shared experiences and feedback, manage User accounts, edit/update plan details.
- System allows Guests view plans without login to the system.
- System allows Trainer to respond the Users messages.
- Developer can update the system.
- Developer needs to detect bugs and errors to fix them.
- Design user friendly user interface.
- System provide ability for Manager to manage the staff accounts.

Security Requirements

Data Protection, Payment Security, Data Privacy and Legal Compliance, Intrusion Detection and Prevention, Backup and Recovery, and Session Management are some main factors to be considered for security requirements.

Robust encryption is a necessity for a tourism and travel management system to preserve private information including usernames and reservation numbers. A few protocols are required for users and the system to transfer data safely. Role-based access control must be implemented to restrict system access according to user roles, such as admin, agent, or customer. Illegal access should also be prevented by firewalls and intrusion detection systems.

Comments

Name and registration	Individual contribution	Lessons learnt		
number				
IT23629912 A.M.D.M. Bhagya	 Requirement Analysis SQL Tables Hypothetical scenario Executed database with foreign, primary keys and sample results Hypothetical scenario 	I learned to create requirement analysis documents, ER diagrams, final reports and SQL tables within a database. This was a great opportunity to prove teamwork, and happiness is we were able to complete this within a very short period. I learned how to manage as the group leader. I am totally satisfied with the contribution and dedication of my team members.		
IT23569768 A.S.A. Weerasinghe	 SQL Tables Designed and created the report Executed database with foreign, primary keys and sample results Hypothetical scenario 	I learned to make a requirement analysis document, separate data requirements. I was able to solve the problems regarding the above sections.		
IT23651760 U.L.R. Umais	 SQL Tables Executed database with foreign, primary keys and sample results Design ER diagram 	Learn to create tables and databases, add values to tables, design a schema, design an ER diagram.		
IT23654808 A.C.M. Mirshad	 SQL Tables Relational model schema Executed database with foreign, primary keys and sample results 	I was able to solve the problems regarding the above sections. Learn to create tables and databases, add values to tables, design a schema		

