

REQUIREMENTS

Our project is to implement a Trip Planner Database.

- An ADMINISTRATOR with his Id, name, address, user_name and password manages EMPLOYEE who will be able to add new flights, hotels and packages from which our CUSTOMER would choose.
- PACKAGE has start_date, city, events, price, return date and so on. HOTEL has city, rating, picture, price and so on. Number of Events can be different for different places. FLIGHT has its name, departure city, arrival city, return date and so on.
- CUSTOMER with his Id, gender, user_name, password, email will be able to add, update, delete RESERVATION with the help of flight_id, hotel_id and package_id.
- EMPLOYEE with his user_name, password, gender, salary, address and Id will be managing that is add, delete or update many HOTEL, FLIGHT, and PACKAGE. ADMINISTRATOR can manage many EMPLOYEE as only he has the rights.



- CUSTOMER can book one PACKAGE at a time, with only booking one hotel, and one flight among many options available.

FUNCTIONALITIES

- ADMINISTRATOR, EMPLOYEE, CUSTOMER will log in the system. Only ADMINISTRATOR will have access to manage employees. EMPLOYEE takes care of the PACKAGES, HOTELS AND FLIGHTS available to the CUSTOMER.
- CUSTOMER can search through the system for packages, hotels, flights of his interest and add the ones he chooses.
CUSTOMER will also be able to update, delete his choices.

M. L. R.

TRIP PLANNER - RELATIONAL SCHEMA

ADMINISTRATOR

<u>ID_number</u>	name	user_name	password	gender	address	phone_number
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EMPLOYEE

<u>ID_number</u>	name	user_name	password	salary	gender	address	phone_number	admin_id
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PACKAGE

<u>package_id</u>	start_date	return_date	city	rating	price	employee_id
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HOTEL

<u>hotel_id</u>	hotel_name	rating	Description	picture	price	#room	city	employee_id
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FLIGHT

<u>flight_id</u>	airlines_name	departure_city	arrival_city	departure_date	return_date	price	employee_id
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CUSTOMER

<u>customer_id</u>	first_name	last_name	email	user_name	password	gender	phone_number
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RESERVATION

<u>reservation_id</u>	customer_id	package_id	hotel_id	flight_id
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QUALIFICATION

<u>employee_id</u>	qualification
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EVENTS

<u>package_id</u>	event_name
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Text

2/15/15

TRIP PLANNER - ER DIAGRAM

