Travel Inn

Database Project

Phase 1:
Documentation Part

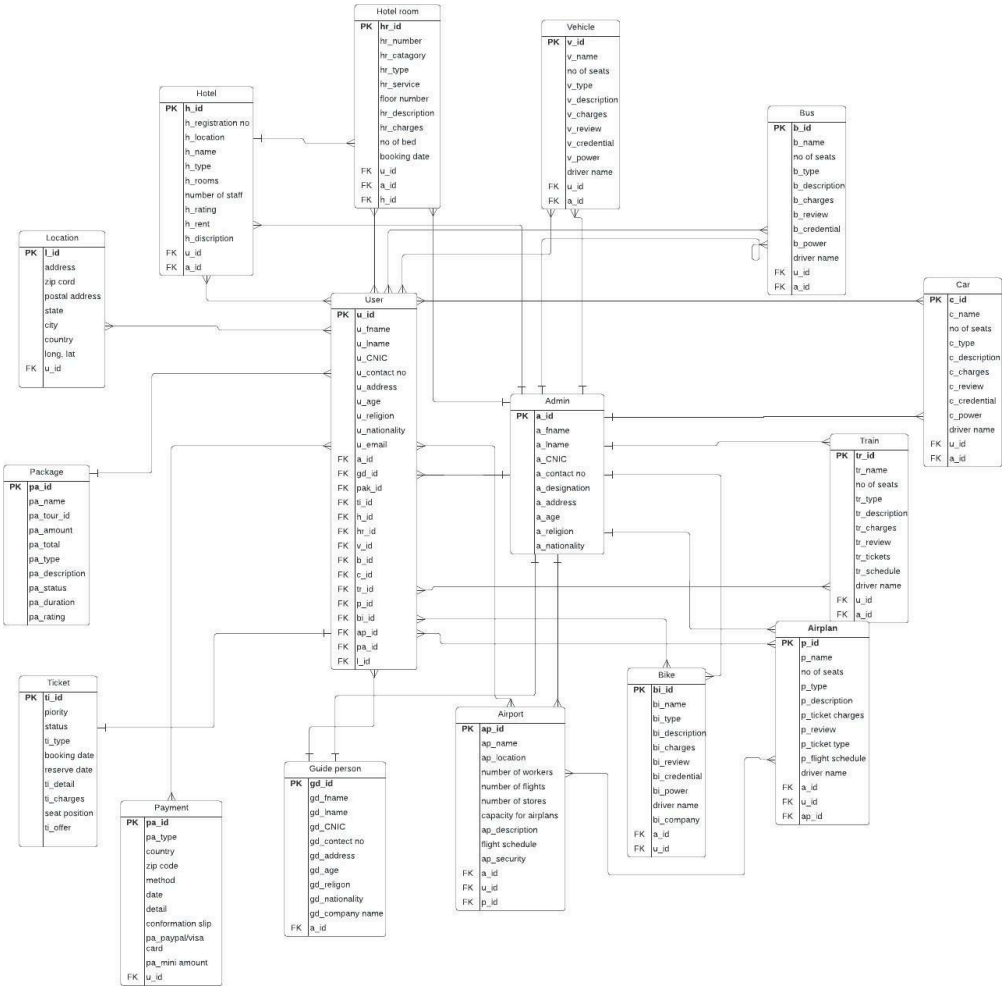
- **Scenario of Database**

This product is the answer to the problem that the tourists face during their travels. There were recorded almost 1186 million tourists in 2015 all around the world who took a trip to famous places. Which is expected to reach 1.2 billion by 2020. Most of tourists face issue like not knowing the places by not having any or less information about the place. The tourists need tour guide or a guide who can help them to visit popular places and share history about those places this is what our product does it is solution to all the problems of the tourists who wants to visit places and explore the beautiful cities and countries.

Travelers Inn is the social travel platform. This product is for those people who want to travel and explore the famous places and cities all over the world. Traveler share their tour experience and information, and tourists know the places better and save their time in digging the information about different places through different sources. This product has photos videos and tips of different famous places and cities.Tourists can guide people through comments.

A traveler creates a Travel Blog and shares his/her experience in pictures and videos and tips. End User can follow a particular travelers and will automatically be notified when there is an activity. End User will be able to search for different places and then can get feedback / comments / rating before planning the trip. We also allow user to book or reserve his tickets, hotel and vehicle according to his choice.

- **Entity Relationship Diagram with 15-20 entities**



- **Relational Data Model with 10-15**

Vehicle	(#v_id, v_name, no of seats, v_type, v_description, v_charges, v_review, v_credential, v_power, driver_name, **a_id (FK)**)
Us_Veh	(u_id, v_id)
Bus	(#b_id, b_name, no of seats, b_type, b_description, b_charges, b_review, b_credential, b_power, driver_name, **a_id (FK)**)
Us-Bus	(u_id, b_id)
Car	(#c_id, c_name, no of seats, c_type, c_description, c_charges, c_review, c_credential, c_power, driver_name, **a_id (FK)**)
Us-Car	(u_id, c_id)
Train	(#t_id, t_name, no of seats, t_type, t_description, t_charges, t_review, t_ticket, t_ schedule, driver_name, **a_id (FK)**)
Us-Train	(u_id, t_id)

Relational Data Model

Entities	**Attributes**
Admin	(#a_id, a_fname, a_lname, a_CNIC, a_contact no, a_address, a_designation, a_age, a_religon, a_nationality)
User	(#u_id, u_fname, u_lname, u_CNIC, u_contact no, u_address, u_age, u_religon, u_nationality, u_email, **a_id (FK), pa_id (FK), gp_id (FK), l_id(FK)**)
Hotel	(#h_id, h_registraion no, h_location, h_name, h_type, h_rooms, number of staf, h_ rating, h_rent, h_ description, **a_id (FK)**)
Us-Hot	(u_id, h_id)
Hotel room	(#hr_id, hr_number, hr_category, hr_type, hr_service, floor number, hr_ description, hr_charges, no of beds, booking date**, a_id (FK), h_id (FK)**)
Us-HR	(u_id, hr_id)

Guide person (#gd_id, gd_fname, gd_lname, gd_CNIC, gd_contact no, gd_address, gd_age, gd_religon, gd_nationality, gd_company name, **a_id (FK)**)

Payment (#p_id, p_type, country, zip code, p_method, p_date, p_details, conformation slip, p_paypal/visa card, p_ minimum amount)

Us-Pay (u_id, p_id)

Ticket (#t_id, priority, status, t_type, booking date, reserve date, t_detail, t_ charges, seat position, offer)

Us-Tic (u_id, t_id)

Package (#pa_id, pa_name, pa_tour_id, pa_amount, pa_total, pa_type, pa_description, pa_status, pa_duration, pa_rating)

Location (#l_id, address, zip code, postal address, state, city,country, long, lat)

Airplane (#p_id, p_name, no of seats, p_type, p_description, p_ticket charges, p_review, p_ticket type, flight schedule, driver_name, **a_id (FK)**)

Us-Aplane (u_id, p_id)

Bike (#bi_id, bi_name, bi_type, bi_description, bi_charges, bi_review, bi_credential, bi_power, driver_name, bk_company, **a_id (FK)**)

Us-Bike (u_id, bi_id)

Airport (#ap_id, ap_name, ap_location, number of workers, number of flights, number of stores, capacity for airplanes, ap_discription, flight shedules, ap_security, **a_id (FK)**)

Us-Aport (u_id, ap_id)

Aplane-Aport (p_id, ap_id)