**Camp Tour System Database**

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**1- Problem Definition:**

2-**ER-Diagram**:

Booking\_id

description

rating\_average

Tour\_id

location\_name

Duration\_of\_the tour

number\_of\_tourist

Camp\_tour

Goes to

has

has

has

Location

User\_booking

User\_id

country\_name

Name

Booking\_price

Be booked

make

User

Tour\_review

Nationality

Star\_rating

Gender

Date\_of\_birth

phone\_number

years\_of\_experience

salary

Mapping: ER-D-3

**Tour\_guide**(User\_id, Name, Gender, Date\_of\_birth, Star\_rating, Booking\_id, Tour\_id, salary, years\_of\_experience, Nationality)

**Tourist**(User\_id, Name, Gender, Date\_of\_birth, Star\_rating, Booking\_id, Tour\_id, phone\_number ,Nationality)

**Camp\_tour**(Tour\_id, number\_of\_tourist, Duration\_of\_the tour, rating\_average, description, Booking\_id)

**Location**(location\_name, country\_name,Tour\_id)

**Tour\_review**(Star\_rating,Tour\_id)

**User\_booking**(Booking\_id, Booking\_price)

**4-DDL statements:**

Create table Tour\_guide(

User\_id varchar(4) not null,

Name varchar(15),

Gender varchar(7),

Date\_of\_birth date,

Nationality varchar(24),

Booking\_id varchar(4),

Tour\_id varchar(4),

Star\_rating char(1),

salary varchar(5),

years\_of\_experience char(1),

primary key (User\_id),

foreign key (Booking\_id) references User\_booking (Booking\_id),

foreign key (Tour\_id) references Camp\_tour (Tour\_id),

foreign key (Star\_rating) references Tour\_review(Star\_rating));

Create table Tourist(

User\_id varchar(4) not null,

Name varchar(15),

Gender varchar(7),

Date\_of\_birth date,

Nationality varchar(24),

Booking\_id varchar(4),

Tour\_id varchar(4),

Star\_rating char(1),

phone\_number varchar(20),

primary key (User\_id),

foreign key (Booking\_id) references User\_booking (Booking\_id),

foreign key (Tour\_id) references Camp\_tour (Tour\_id),

foreign key (Star\_rating) references Tour\_review(Star\_rating));

Create table Camp\_tour(

Tour\_id varchar(4) not null,

number\_of\_tourist varchar(3),

Duration\_of\_the\_tour char(2),

rating\_average numeric(2,1),

description text,

Booking\_id varchar(4),

primary key (Tour\_id),

foreign key (Booking\_id) references User\_booking (Booking\_id));

Create table Location(

location\_name varchar(24) not null,

country\_name varchar(23),

Tour\_id varchar(4),

primary key (location\_name ),

foreign key (Tour\_id) references Camp\_tour (Tour\_id));

Create table Tour\_review(

Star\_rating char(1) not null,

Tour\_id char(4),

primary key (Star\_rating),

foreign key (Tour\_id) references Camp\_tour (Tour\_id));

Create table User\_booking(

Booking\_id char(4) not null,

Booking\_price varchar(4),

primary key (Booking\_id));

**5-DML statements:**

insert into Tour\_guide values(1113,'Ahmad','male','2001-8-7','jordanian',3336,7779,

4,3000,5);

insert into Tourist values(1115,'Ali','male','2001-6-9','jordanian',4678,7779,

5,079665889);

insert into Camp\_tour values(7779,20,6,4.7 ,'we will go on a slow pace, without stress, we will have fun, with a small group, there will be time to take pictures, it will be a fun experience',4678);

insert into Location values(' Amman New Camp','Jordan',7779);

insert into Tour\_review values(5,7779);

insert into User\_booking values(4678,100);

**6-sql statement:**

select\*from Tourist natural join Camp\_tour;

select count(\*) from Tour\_guide;

**7- Conclusion and references:**

In conclusion, we hope that you like the project. We worked hard on the project, and it was a useful experience and we learned a lot from it.

References: ([www.w3schools.com),(mysqltutorial.org)](http://www.w3schools.com),(mysqltutorial.org)),

Silberschatz, Korth and Sudarshan, "Database System Concepts", 7th edition, McGraw Hill,2019.