



Indian Institute of technology , Indore

CS257 - DBIM

TRAVEL AGENCY DATABASE

Submitted by: PRANAY MUNDA (160001045) &
POTHURAJU BALAMANGARAJ (160001044)

Project Description:

The aim of the project is to create an efficient online travel agency site, which facilitates booking of tours packages. The user need to register to the travel agency to access the offers and services provided in the site. After the registration the user need to login through the login menu. To apply for the specific package offered by the company. In the first page the option is given along with the details of the package if the user has already applied to one.

ER Analysis: Identifying Entity Sets and Relationship Sets

1. customers

- Name
- Customer ID
- Email
- Age
- Sex
- Phone no
- Password

2. customers Address

- Customer address ID
- Customer ID
- Address ID
- Date from
- Date to

3. Address

- Address ID
- Address
- Phone no

4. Booking

- Booking ID
- Customer ID
- Payment ID
- Status code

- Outcome code

5. Booking status

- Status code
- Status description

6. Booking outcome

- outcome code
- outcome description

7. Service Booking

- Service ID
- Booking ID
- Booking start date
- Booking end date

8. Service

- Service ID
- Transport ID
- Transport detail
- Hotel ID
- Service detail

9. Train

- Train ID
- Train details
- Transport ID

10. Airline

- Airline ID
- Airline details
- Transport ID

11. Car

- Car ID
- Car details
- Transport ID

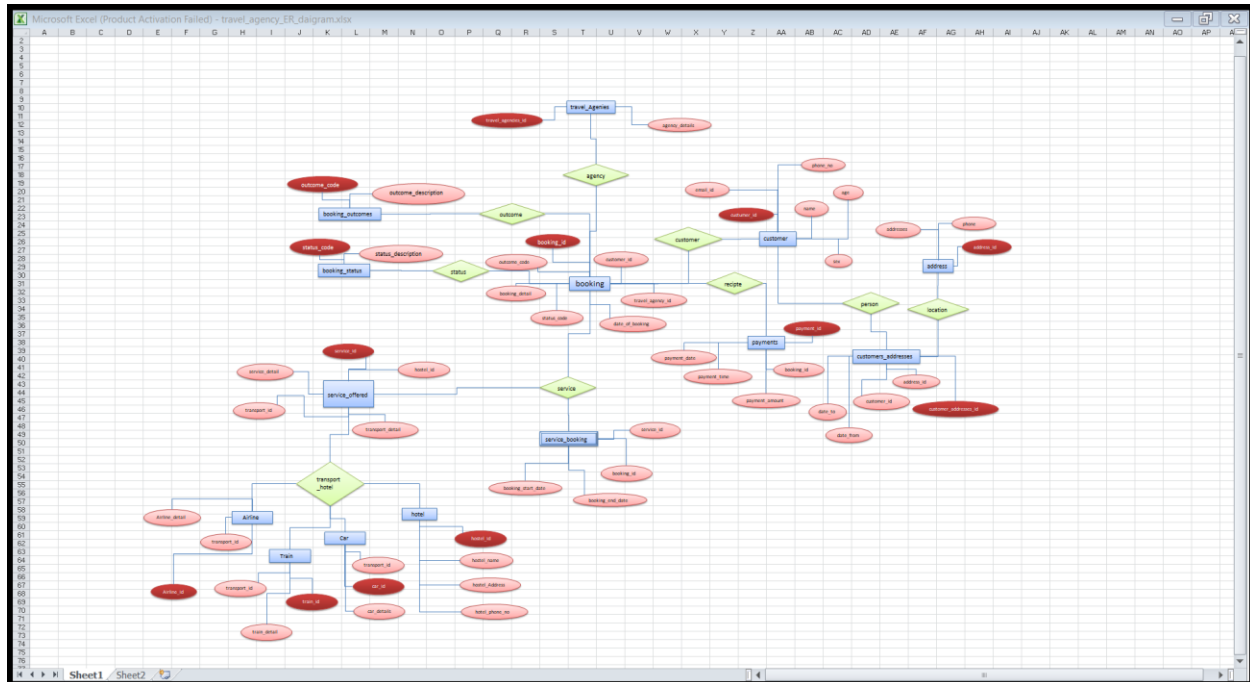
12. Hotel

- Hotel ID
- Hotel name
- Hotel address
- Hotel phone no

13. Payment

- Payment ID
- Amount
- Payment type
- Payment date
- Payment time

ER diagram:



- The tables used in the database:

```
create table customers(
customer_id int(11) not null AUTO_INCREMENT, name varchar(100) not null,
age int not null,
sex enum('M','F'), phone_no int not null,
email_id varchar(100) ,

primary key (customer_id));
```

```
create table customers_address(
customer_address_id int(11) not null AUTO_INCREMENT,

customer_id int(11) not null, address_id int not null,
date_from varchar(10) not null,
```

date_to varchar(10),

primary key (customer_address_id));

create table booking(booking_id int(11) not null AUTO_INCREMENT,
customer_id int(11) not null,outcome_code int(11) not null,
status_code int(11) not null,
travel_agency_id int(11) not null,date_of_booking varchar(10),payment_id int(11),
primary key (booking_id));

create table booking_status(status_code int(11) not null, status_description varchar(20),
primary key (status_code));

create table booking_outcome(outcome_code int(11) not null, outcome_description
varchar(20),
primary key(outcome_code));

create table service_booking(service_id varchar(30) not null, boooking_id varchar(30),
booking_start_date varchar(10) not null, booking_end_date varchar(10)
);

create table travel_agency(travel_agency_id int(11), agency_detail varchar(40),
booking_id varchar(30),
primary key(travel_agency_id),
foreign key travel_agency(booking_id) references booking(booking_id));

create table payments(payment_id int(11) AUTO_INCREMENT,
amount float,
payment_date varchar(10),
payment_type varchar(30),
payment_time varchar(8), primary key(payment_id))

```
create table service_offer(service_id varchar(30), hotel_id varchar(20),
transport_id varchar(20),
service_detail varchar(100),
transport_detail varchar(100),
primary key (service_id));
```

```
create table hotel(hotel_id varchar(20),
hotel_name varchar(50),
hotel_address varchar(100) ,
hotel_phone_no varchar(10),
primary key (hotel_id));
```

```
create table address(address_id varchar(20),
address varchar(30) ,
phone varchar(10), primary key(address_id));
```

```
create table airline(airline_id varchar(20),
transport_id varchar(20),
airline_detail varchar(100), primary key(airline_id));
```

```
create table car(car_id varchar(20),
transport_id varchar(20),
car_detail varchar(100), primary key(car_id));
```

```
create table train(train_id varchar(20),
transport_id varchar(20),
train_detail varchar(100), primary key(train_id));
```

trigger:

```
delimiter $$
```

```
create trigger update_payment
```

```
after insert on payment
```

```
for each row
```

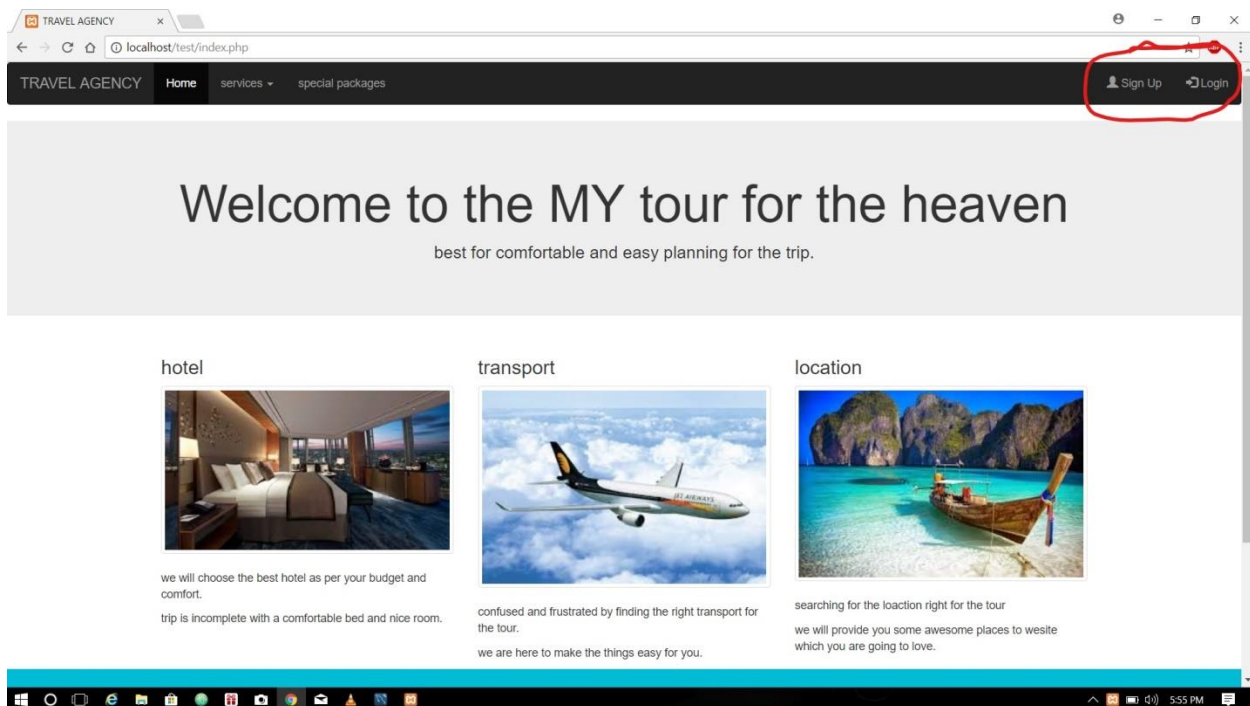
```
begin
```

```
    if new.payment_id is not null then
```

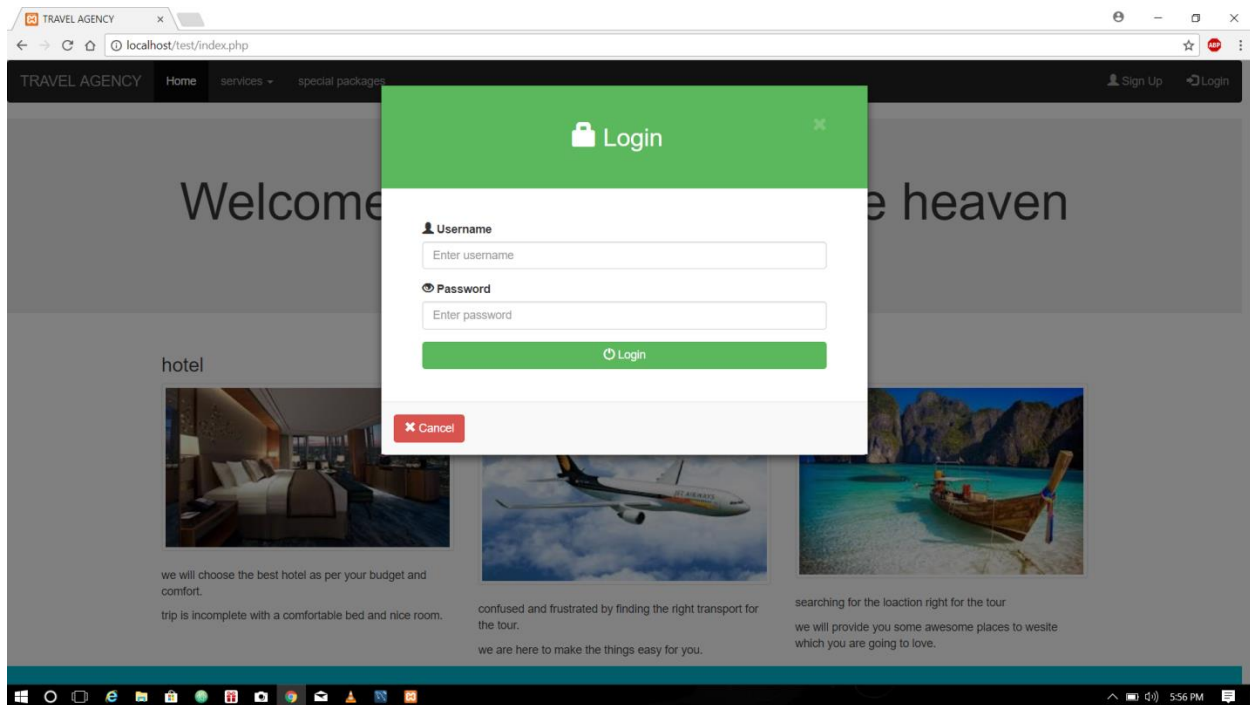
```
update booking
set status_code = '1'
where payment_id = new.payment_id;
end if;
end $$
delimiter ;
```

- THE FORMS USED :-

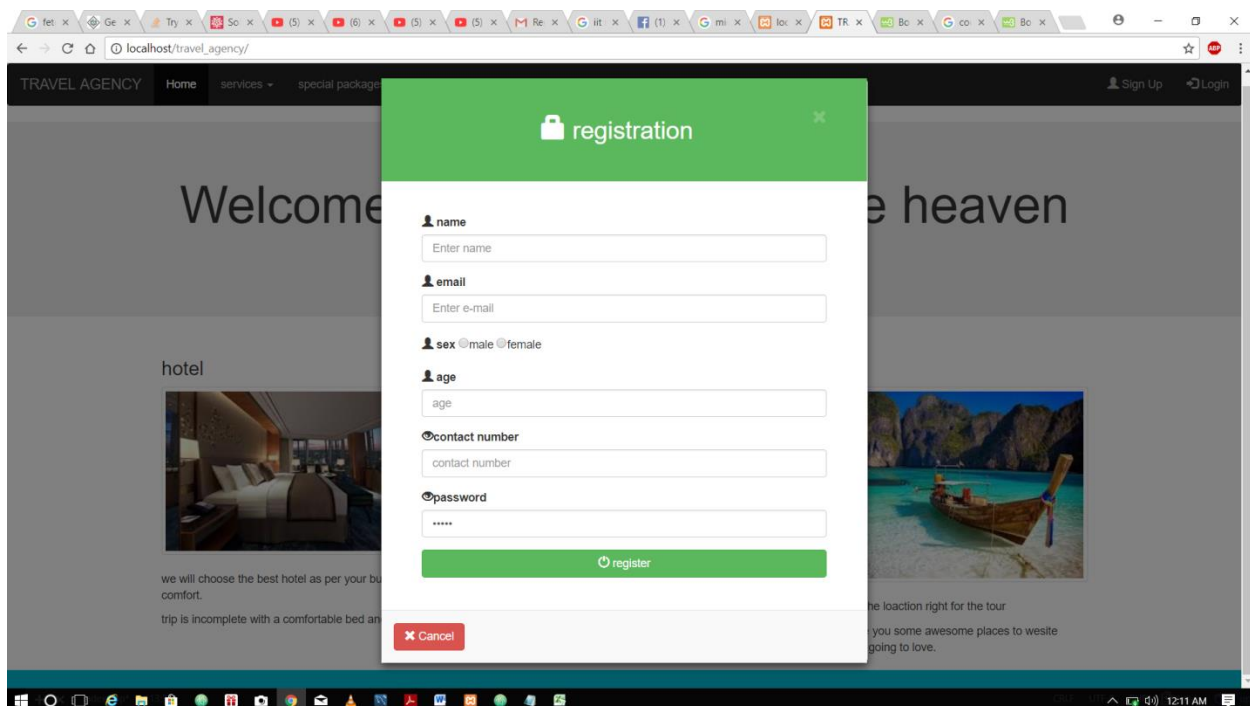
1. Firstly the index page is present where the option of sign up and login is present for the user.



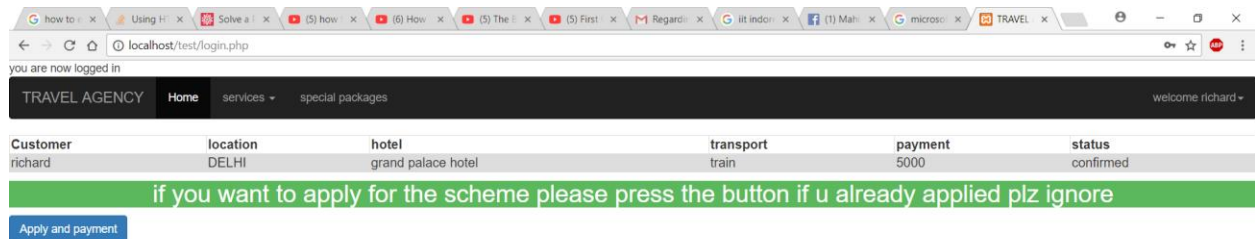
2. At the very right corner login option is present. By clicking on it a dialogue box appears in which username and password option is there where you need to insert your username and password. If any of them has not registered they got an option to register themselves by clicking sign up



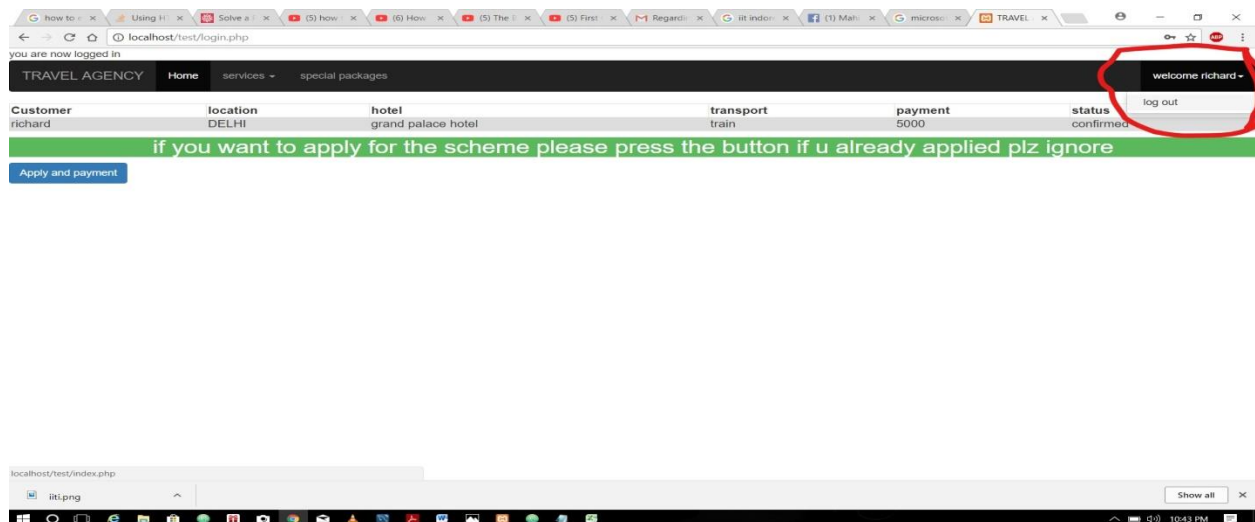
3. By clicking on the sign up option a new dialogue box will appear , in which user need to enter the name,email,sex,age and contact number. After filling the form user need to press register button to upload the data of the user to the database.



4. After the login the user will come to the new page in which the booked service details will be shown in the screen if applied by the user. Other than that user can also apply for the tour offered by the travel agency.

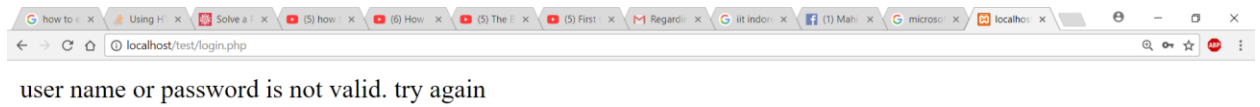


5. To logout the user need to go to the very right top corner to welcome user option a dropdown menu will come to logout.

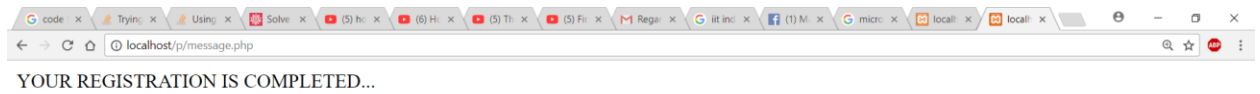


➤ TEST CASES:-

1. If the user enter the wrong password its will show the message
" user name or password is not valid. try again".



2. If the user registered into the database and its successful then the message will popup
" YOUR REGISTRATION IS COMPLETED...".



3. If the user already registered and try to register again then the message will popup
"user is already registered in the database".

