KERALA TOURISM

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Abstract

Description:

This database is to maintain details regarding all the Kerala's tourism departments located at different tourist areas. It maintains details about tourist spots in each of these locations which can be used by the above departments to help enquiring customers. It provides the customers with details about all or some of the different facilities available like the resorts (2nd party-owned or government-owned), travel-aid (like vehicle based on the number of travelers), tour packages etc. which they can make use of. The customers' details who register for these facilities are also stored in our database.
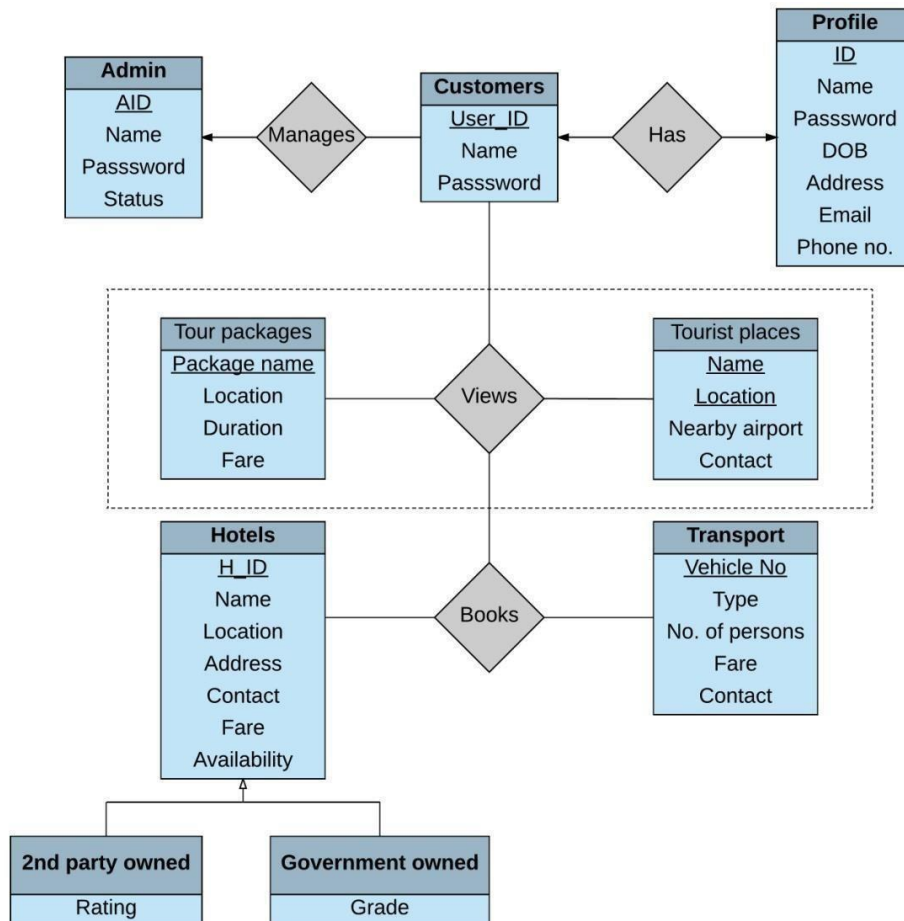
Assumptions and Constraints:

- Every user has his own user_id.
- There are many admins and they have their own id.
- A user can have only one admin for one tour. He gets different admin for other tours.
- One admin can manage many users and each user has only one profile.
- User can view many tour packages and tourist places.
- After viewing user can book hotels and transport.
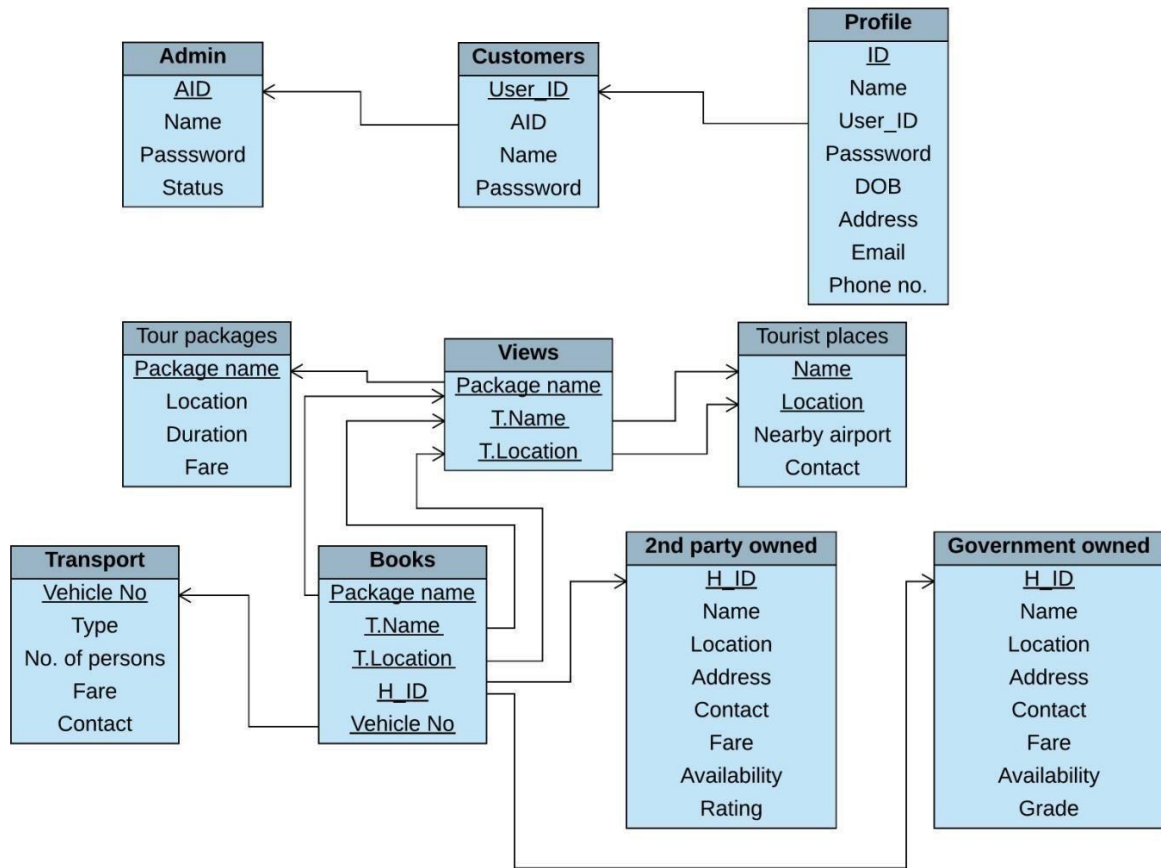- Hotels can be categorised into two types- 2nd party owned and government owned hotels.

- Justifications for creating tables:

  For many to many, an extra table is created with entity name as the relation name.

  For one to many, the primary key of a table which is having arrow head(i.e one relation) is added to many relation table.

For one to one, primary key of one table is added to other.

ER diagram

Admin
AID
Name
Passsword
Status

Customers
User_ID
Name
Passsword

Profile
ID
Name
Passsword
DOB
Address
Email
Phone no.

Manages

Has

Tour packages
Package name
Location
Duration
Fare

Views

Tourist places
Name
Location
Nearby airport
Contact

Hotels
H_ID
Name
Location
Address
Contact
Fare
Availability

Books

Transport
Vehicle No
Type
No. of persons
Fare
Contact

2nd party owned
Rating

Government owned
Grade

Schema Diagram

Admin
AID
Name
Passsword
Status

Customers
User_ID
AID
Name
Passsword

Profile
ID
Name
User_ID
Passsword
DOB
Address
Email
Phone no.

Tour packages
Package name
Location
Duration
Fare

Views
Package name
T.Name
T.Location

Tourist places
Name
Location
Nearby airport
Contact

Transport
Vehicle No
Type
No. of persons
Fare
Contact

Books
Package name
T.Name
T.Location
H_ID
Vehicle No

2nd party owned
H_ID
Name
Location
Address
Contact
Fare
Availability
Rating

Government owned
H_ID
Name
Location
Address
Contact
Fare
Availability
Grade

Normalisation

Report:

A_id	U_id	C_Name	password	E mail	Phone no.	T_name	T_location	Nearby_airport	Vehicle_No	Type	No. of	Fare	Trans_contact
1	1001	Simran	sim_123	simran@gmail.com	95675458	Varkala beach	Varkala	Trivandrum Internatinal Airport	KL054567	Shuttle	8	3000	9876543234
	1004	Sameer	sam_123	sameer@gmail.com	86154732	Kappad beach	Kozhikode	Karipur Internatinal Airport	KL054782	Cab	4	1500	8688226134
	1006	Praveen	prav_123	praveen@gmail.com	95864127	Periyar wildlife sanctuary	Thekkady	Madurai Internatinal Airport	KL057312	Mini	8	3000	9567545832
2	1002	Rohan	roh_123	rohan@gmail.com	95675418	Pine forest	Vagamon	Cochin Internatinal Airport	KL051234	Prime	5	2000	9948251632
	1001	Simran	sim_123	simran@gmail.com	95675458	Pine forest	Vagamon	Cochin Internatinal Airport	KL053691	Cab	4	1500	8247492958
	1007	Kaveri	kav_123	kaveri@gmail.com	86459741	Kumarakom bird sanctuary	Kumarakom	Cochin Internatinal Airport	KL050312	Shuttle	8	3000	9382325213
	1008	Sudeep	sude_123	sudeeep@gmail.com	84756751	Light house beach	Kovalam	Trivandrum Internatinal Airport	KL057568	Cab	7	2700	9382325367
3	1004	Sameer	sam_123	sameer@gmail.com	86154732	Adventure park	Vagamon	Cochin Internatinal Airport	KL051234	Prime	5	2000	9948251632
	1007	Kaveri	kav_123	kaveri@gmail.com	86459741	Fantasy park	Malampuzha	Coimbatore Internatinal Airport	KL053123	Prime	7	2700	8242382958
	1002	Rohan	roh_123	rohan@gmail.com	95675418	Bekal fort	Kasargod	Manglore Internatinal Airport	KL038562	Cab	6	2300	9382346832
	1001	Simran	simu_123	simran@gmail.com	76214583	Fantasy park	Malampuzha	Coimbatore Internatinal Airport	KL053123	Prime	7	2700	8242382958

Report (Contd..)

A_id	U_id	C_Name	password	E mail	Phone no.	T_name	T_location	Nearby_airport	Vehicle_No	Type	No. of	Fare	Trans_contact
4	1003	Nandu	nan_123	nandu@gmail.com	96547512	Periyar wildlife sanctuary	Thekkady	Madurai Internatinal Airport	KL057312	Mini	8	3000	9567545832
	1004	Sameer	sam_123	sameer@gmail.com	86154732	Azhikal beach	Karunagapally	Trivandrum Internatinal Airport	KL054567	Shuttle	8	3000	9876543234
	1006	Praveen	prav_123	praveen@gmail.com	95864127	Periyar wildlife sanctuary	Thekkady	Madurai Internatinal Airport	KL057312	Mini	8	3000	9567545832

Assumptions and Constraints:

User_id: It is the id given to each person. Every person has his unique id.

A_id: Id given to the admins. There are many admins and each admin has his own id. **C_Name:** Name of the customer. There can be two or more customers with the same name. **Password:** Every user has a unique password.

E-mail: Every user has his own mail id.

Phone no.: Every user has his own phone number.

T_name: Name of the tourist place. One person can go to different tourist places or different persons can go to same tourist place.

T_location: It is the location where the tourist place is located. Many tourist places can be located in a single location.

Nearby_Aiport: It is the airport located near to the tourist location.

Vehicle_no: Each vehicle has its unique vehicle number.

Type: It is the vehicle type and different vehicle can be of the same type.

No.of persons: It is the capacity of the vehicle and each vehicle has a capacity.

Fare: It describes the vehicle charge and depends on the capacity of the car.

Trans_contact: Contact of the vehicle. Each vehicle has its own contact number.

Each user is randomly assigned to an admin but no admin manages the same user twice.

A_id and user_id can't be NULL.

E-mail_id and phone.no can't be NULL.

1NF

A_id	U_id	C_Name	password	E mail	Phone no.	T_name	T_location	Nearby_airport	Vehicle_No	Type	No. of	Fare	Trans_contact
1	1001	Simran	sim_123	simran@gmail.com	95675458	Varkala beach	Varkala	Trivandrum Internatinal Airport	KL054567	Shuttle	8	3000	9876543234
1	1004	Sameer	sam_123	sameer@gmail.com	86154732	Kappad beach	Kozhikode	Karipur Internatinal Airport	KL054782	Cab	4	1500	8688226134
1	1006	Praveen	prav_123	praveen@gmail.com	95864127	Periyar wildlife sanctuary	Thekkady	Madurai Internatinal Airport	KL057312	Mini	8	3000	9567545832
2	1002	Rohan	roh_123	rohan@gmail.com	95675418	Pine forest	Vagamon	Cochin Internatinal Airport	KL051234	Prime	5	2000	9948251632
2	1001	Simran	sim_123	simran@gmail.com	95675458	Pine forest	Vagamon	Cochin Internatinal Airport	KL053691	Cab	4	1500	8247492958
2	1007	Kaveri	kav_123	kaveri@gmail.com	86459741	Kumarakom bird sanctuary	Kumarakom	Cochin Internatinal Airport	KL050312	Shuttle	8	3000	9382325213
2	1008	Sudeep	sude_123	sudeeep@gmail.com	84756751	Light house beach	Kovalam	Trivandrum Internatinal Airport	KL057568	Cab	7	2700	9382325367
3	1004	Sameer	sam_123	sameer@gmail.com	86154732	Adventure park	Vagamon	Cochin Internatinal Airport	KL051234	Prime	5	2000	9948251632
3	1007	Kaveri	kav_123	kaveri@gmail.com	86459741	Fantasy park	Malampuzha	Coimbatore Internatinal Airport	KL053123	Prime	7	2700	8242382958
3	1002	Rohan	roh_123	rohan@gmail.com	95675418	Bekal fort	Kasargod	Manglore Internatinal Airport	KL038562	Cab	6	2300	9382346832
3	1001	Simran	simu_123	simran@gmail.com	76214583	Fantasy park	Malampuzha	Coimbatore Internatinal Airport	KL053123	Prime	7	2700	8242382958

1NF (Contd..)

A_id	U_id	C_Name	password	E mail	Phone no.	T_name	T_location	Nearby_airport	Vehicle_No	Type	No. of	Fare	Trans_contact
4	1003	Nandu	nan_123	nandu@gmail.com	96547512	Periyar wildlife sanctuary	Thekkady	Madurai Internatinal Airport	KL057312	Mini	8	3000	9567545832
4	1004	Sameer	sam_123	sameer@gmail.com	86154732	Azhikal beach	Karunagapally	Trivandrum Internatinal Airport	KL054567	Shuttle	8	3000	9876543234
4	1006	Praveen	prav_123	praveen@gmail.com	95864127	Periyar wildlife sanctuary	Thekkady	Madurai Internatinal Airport	KL057312	Mini	8	3000	9567545832

The Report is in first normal form if and only if the value of each attribute contains only a single value from that domain atomic (indivisible) values.

Candidate Key is User_id,A_id (composite).

FD's:

User_id **--->** C_Name, Password, E-mail, Phone no.

T_name **--->** T_location, Nearby_Aiport

T_location **--->** Nearby_Airport

Vehicle_No **--->** Type, No. of persons, Fare, Trans_contact

/*Candidate Key is (User_id,Aid)*/

User_id, A_id **--->** T_name, T_location, Nearby_Airport, Vehicle_No, Type, No. of persons, Fare, Trans_contact

2NF

User

user_id	C_Name	password	E-mail	Phone no
1001	Simran	sim_123	simran@gmail.com	9567545812
1002	Rohan	roh_123	rohan@gmail.com	9567541821
1004	Sameer	sam_123	sameer@gmail.com	8615473296
1003	Nandu	nan_123	nandu@gmail.com	9654751236
1007	Kaveri	kav_123	kaveri@gmail.com	8645974125
1010	Simran	simu_123	simran123@gmail.com	7621458321
1006	Praveen	prav_123	praveen@gmail.com	9586412786
1008	Sudeep	sude_123	sudeep@gmail.com	8475675123

Travel and transport

User_id	A_id	T_name	T_location	Nearby_airport	Vehicle_No	Type	No. of	Fare	Trans_contact
1001	1	Varkala beach	Varkala	Trivandrum international aiport	KL054567	Shuttle	8	3000	9876543234
1002	2	Pine forest	Vagamon	Cochin international airport	KL051234	Prime	5	2000	9948251632
1004	1	Kappad beach	Kozhikode	Karipur international airport	KL054782	Cab	4	1500	8688226134
1001	2	Pine forest	Vagamon	Cochin international airport	KL053691	Cab	4	1500	8247492958
1004	3	Adventure park	Vagamon	Cochin international airport	KL051234	Prime	5	2000	9948251632
1003	4	Periyar wildlife sanctuary	Thekkady	Madurai international airport	KL057312	Mini	8	3000	9567545832
1007	3	Fantasy	Malampu	Coimbatore international airport	KL053123	Prime	7	2700	8242382958
1002	3	Bekal fort	Kasargod	Manglore international airport	KL038562	Cab	6	2300	9382346832
1001	3	Fantasy park	Malampuzha	Coimbatore international airport	KL053123	Prime	7	2700	8242382958
1004	4	Azhikal beach	Karunagapally	Trivandrum international airport	KL054567	Shuttle	8	3000	9876543234
1006	4	Periyar wildlife sanctuary	Thekkady	Madurai international airport	KL057312	Mini	8	3000	9567545832
1008	2	Light house beach	Kovalam	Trivandrum international airport	KL057568	Cab	7	2700	9382325367
1007	2	Kumarakom	Kumarakom	Cochin	KL050312	Shuttle	8	3000	9382325213

		bird sanctuary		international airport					
1006	1	Kappad beach	Kozhikode	Karipur international airport	KL041567	Cab	4	1500	9382325367

Partial FD's:
User_id ---> C_Name, Password, E-mail, Phone no.

Full FD's:
User_id, A_id ---> T_name, T_location, Nearby_Airport, Vehicle_No, Type, No. of persons, Fare, Trans_contact

We get the above two tables from 2NF. They are: User table with User_id as primary key and Tourist and transport table with a composite primary key namely User_id, A_id.

3 NF

Profile

user_id	C_Name	password	E-mail	Phone no
1001	Simran	sim_123	simran@gmail.com	9567545812
1002	Rohan	roh_123	rohan@gmail.com	9567541821
1004	Sameer	sam_123	sameer@gmail.com	8615473296
1003	Nandu	nan_123	nandu@gmail.com	9654751236
1007	Kaveri	kav_123	kaveri@gmail.com	8645974125
1010	Simran	simu_123	simran123@gmail.com	7621458321
1006	Praveen	prav_123	praveen@gmail.com	9586412786
1008	Sudeep	sude_123	sudeep@gmail.com	8475675123

Customer

A_id	User_id	T_name	Vehicle_No
1	1001	Varkala beach	KL054567
2	1002	Pine forest	KL051234
1	1004	Kappad beach	KL054782
2	1001	Pine forest	KL053691
3	1004	Adventure park	KL051234
4	1003	Periyar wildlife sanctuary	KL057312
3	1007	Fantasy park	KL053123
3	1002	Bekal fort	KL038562
3	1010	Fantasy park	KL053123
4	1004	Azhikal beach	KL054567
4	1006	Periyar wildlife sanctuary	KL057312
2	1008	Light house beach	KL057568
2	1007	Kumarakom bird sanctuary	KL050312
1	1006	Kappad beach	KL041567

Tourist place

T_name	T_location	Nearby_airport
Varkala beach	Varkala	Trivandrum international airport
Pine forest	Vagamon	Cochin international airport
Kappad beach	Kozhikode	Karipur international airport
Pine forest	Vagamon	Cochin international airport
Adventure park	Vagamon	Cochin international airport
Periyar wildlife sanctuary	Thekkady	Madurai international airport
Fantasy park	Malampuzha	Coimbatore international airport
Bekal fort	Kasargod	Manglore international airport
Fantasy park	Malampuzha	Coimbatore international airport
Azhikal beach	Karunagapall	Trivandrum international airport
Periyar wildlife sanctuary	Thekkady	Madurai international airport
Light house beach	Kovalam	Trivandrum international airport
Kumarakom bird sanctuary	Kumarakom	Cochin international airport
Kappad beach	Kozhiko	Karipur international airport

Transport

Vehicle_No	Type	No.of persons	Fare	Trans_contact
KL054567	Shuttle	8	3000	9876543234
KL051234	Prime SUV	5	2000	9948251632
KL054782	Cab	4	1500	8688226134
KL053691	Cab	4	1500	8247492958
KL053123	Prime Sedan	7	2700	8242382958
KL038562	Cab	6	2300	9382346832
KL057312	Mini Bus	8	3000	9567545832
KL057568	Cab	7	2700	9382325367
KL050312	Shuttle	8	3000	9382325213
KL041567	Cab	4	1500	9382325367

Transitive dependencies between prime and non-prime attributes from the FD's are as follows:

User_id, A_id **--->** T_name

T_name **--->** T_location, Nerby_Airport

User_id,A_id **--->** T_location, Nearby_Airport

This forms a transitive relation so we can avoid the FD - User_id,A_id **--->** T_location, Nearby_Airport User_id, A_id **--->** Vehicle_No

Vehicle_No **--->** Type, No.of persons, Fare, Trans_contact

User_id,A_id **--->** Type, No.of persons, Fare, Trans_contact

This forms a transitive relation so we can avoid the FD - User_id,A_id **--->** Type, No.of persons, Fare,
Trans_contact Finally, after performing 3NF we can split the report into 4 tables namely
Table - Primary key
Profile - User_id
Customer - User_id,A_id (composite)
Tourist place - T_name
Transport - Vehicle_No

Comparison of ER design model and normalization procedure:

The tables obtained by normalization procedure and the tables created by ER design model are matching with each other. All the attributes in the report taken from different tables of ER model are reflected in the normalized 3NF tables.

DDL queries:

create table customers(
user_idvarchar(50) references profile(user_id),
Aid   varchar(50),
vehicle_no varchar(50) references transport(vehicle_no),
T_name varchar(50) references tourist_places(T_name),
primary key(user_id,Aid));

create table profile(
user_id varchar(50),
C_name varchar(50),
password varchar(50),
email varchar(50),
phone_no numeric(10,0),
primary key(user_id));

create table transport(
vehicle_no varchar(50),
type varchar(50),
no_of_persons int,
fare numeric(12,0),
contact numeric(12,0),
primary key(vehicle_no));

create table tourist_places(
T_name varchar(50) primary key,
T_location varchar(50),
Nearby_Airport varchar(50));

```sql
insert into profile values('1001', 'Simran', 'sim_123', 'simran@gmail.com', 9567545812),
('1002', 'Rohan', 'roh_123', 'rohan@gmail.com', 9567541821),
('1003', 'Nandu', 'nan_123', 'nandu@gmail.com',      9654751236),
('1010', 'Simran', 'simu_123', 'simran123@gmail.com', 7621458321),
('1004', 'Sameer', 'sam_123', 'sameer@gmail.com', 8615473296),
('1006', 'Praveen', 'prav_123', 'praveen@gmail.com', 9586412786),
('1008', 'Sudeep', 'sude_123', 'sudeep@gmail.com', 8475675123),
('1007', 'Kaveri', 'kav_123', 'kaveri@gmail.com', 8645974125);


insert into customers(Aid,user_id,T_name,vehicle_no) values ('1', '1001', 'Varkala beach', 'KL054567'),
('2', '1002', 'Pine forest', 'KL051234'),
('1', '1004', 'Kappad beach', 'KL054782'),
('2', '1001', 'Pine forest', 'KL053691'),
('3', '1004', 'Adventure park', 'KL051234'),
('4', '1003', 'Periyar wild-life sanctuary', 'KL057312'),
('3', '1007', 'Fantasy park', 'KL053123'),
('3', '1002', 'Bekal fort', 'KL038562'),
('3', '1010', 'Fantasy park', 'KL053123'),
('4', '1004', 'Azhikal beach', 'KL054567'),
('4', '1006', 'Periyar wild-life sanctuary', 'KL057312'),
('2', '1008', 'Light house beach', 'KL057568'),
('2', '1007', 'Kumarakom bird sanctuary', 'KL050312'),
('1', '1006', 'Kappad beach', 'KL041567');




insert into tourist_places values('Varkala beach', 'Varkala' ,'Trivandrum International
Airport'), ('Pine forest', 'Vagamon', 'Cochin International Airport'),
('Kappad beach', 'Kozhikode', 'Karipur International Airport'), ('Adventure park',
'Vagamon','Cochin International Airport'), ('Periyar wild-life sanctuary', 'Thekkady', 'Madurai
Airport'), ('Fantasy park', 'Malampuzha', 'Coimbatore International Airport'), ('Bekal fort',
'Kasargod', 'Manglore Airport'),
('Azhikal beach', 'Karunagapally', 'Trivandrum International Airport'), ('Light house beach',
'Kovalam', 'Trivandrum International Airport'), ('Kumarakom bird sanctuary', 'Kumarakom',
'Cochin International Airport');

insert into transport(vehicle_no,type,no_of_persons,fare,contact)values('KL054567', 'Shuttle',
8,3000, 9876543234),
('KL051234', 'Prime SUV', 5, 2000, 9948251632),
('KL054782', 'Cab', 4, 1500, 8688226134),
('KL053691', 'Cab', 4, 1500, 8247492958),
('KL057312', 'Mini Bus', 8, 3000, 9567545832),
('KL053123', 'Prime Sedan', 7, 2700, 8242382958),
('KL038562', 'Cab', 6, 2300, 9382346832),
('KL057568', 'Cab', 7, 2700, 9382325367),
('KL050312', 'Shuttle',8, 3000, 9382325213),
('KL041567', 'Cab', 4, 1500, 9382325367);
```

EXECUTION OF QUERIES

☐ select count(user_id),C_name from profile group by C_name having count(user_id)>0

```
select count(user_id),C_name from profile group by C_name having count(user_id)>1
```

Output pane

Data Output | Explain | Messages | History

	count bigint	c_name character varying(50)
1	2	Simran

☐ select user_id,C_name,email from profile order by C_name

```
select count(user_id),C_name from profile group by C_name having count(user_id)>1
select user_id,C_name,email from profile order by C_name
```

Output pane

Data Output | Explain | Messages | History

	user_id character varying(50)	c_name character varying(50)	email character varying(50)
1	1007	Kaveri	kaveri@gmail.com
2	1003	Nandu	nandu@gmail.com
3	1006	Praveen	praveen@gmail.com
4	1002	Rohan	rohan@gmail.com
5	1004	Sameer	sameer@gmail.com
6	1001	Simran	simran@gmail.com
7	1010	Simran	simran123@gmail.com
8	1008	Sudeep	sudeep@gmail.com

☐ Select sum(fare) from transport1

```
select count(user_id),C_name from profile group by C_name having count(user_id)>1
select user_id,C_name,email from profile order by C_name
select sum(fare) from transport
```

Output pane

Data Output | Explain | Messages | History

	sum numeric
1	23290

☐ select avg(fare) from transport

```
select count(user_id),C_name from profile group by C_name having count(user_id)>1
select user_id,C_name,email from profile order by C_name
select sum(fare) from transport
select avg(fare) from transport
```

Output pane

Data Output | Explain | Messages | History

	avg numeric
1	2320.0000000000000000

☐ select min(no_of_persons) from transport

```
select min(no_of_persons) from transport
```

Output pane

Data Output | Explain | Messages | History

	min integer
1	4

☐ select max(no_of_persons) from transport

```
select max(no_of_persons) from transport
```

Output pane

Data Output | Explain | Messages | History

	max integer
1	8

☐ select count(user_id) from profile

```
select avg(fare) from transport
select min(no_of_persons) from transport
select max(no_of_persons) from transport
select count(user_id) from profile
```

Output pane

Data Output | Explain | Messages | History

	count bigint
1	8

- Select T_name from tourist_places where T_location='Vagamon' and Nearby_Airport='Cochin International Airport' ;

```
 of_persons) from transport
 ser_id) from profile
 from tourist_places where T_location='Vagamon' and Nearby_Airport='Cochin International Airport'
```

Output pane

| Data Output | Explain | Messages | History |

	t_name character varying(50)
1	Pine forest
2	Adventure park

- Select vehicle_no from transport where fare=2000 or no_of_persons =8 ;

```
Select T_name from tourist_places where T_location='Vagamon' and Nearby_Airport='Cochin Internat:
Select vehicle_no from transport where fare=2000 or  no_of_persons =8
```

Output pane

| Data Output | Explain | Messages | History |

	vehicle_no character varying(50)
1	KL054567
2	KL051234
3	KL057312
4	KL050312

- Select user_id from profile where user_id not in('1001','1002','1003');

```
Select vehicle_no from transport where fare=2000 or  no_of_persons =8
Select user_id from profile where user_id not in('1001','1002','1003');
```

Output pane

| Data Output | Explain | Messages | History |

	user_id character varying(50)
1	1010
2	1004
3	1006
4	1008
5	1007

- select user_id,C_name from profile where C_name like ' m%';

```
Select user_id from profile where user_id not in('1001','1002','1003')
select user_id,C_name from profile where C_name like ' m%'
```

Output pane

| Data Output | Explain | Messages | History |

	user_id character varying(50)	c_name character varying(50)
1	1001	Simran
2	1010	Simran
3	1004	Sameer

☐ select vehicle_no from transport where fare between 1000 and 2700

```
Select user_id from profile where user_id not in('1001','1002','1003')
select user_id,C_name from profile where C_name like '__m%'
select vehicle_no from transport where fare between 1000 and 2700
```

Output pane

Data Output | Explain | Messages | History

	vehicle_no character varying(50)
1	KL051234
2	KL054782
3	KL053691
4	KL053123
5	KL038562
6	KL057568
7	KL041567

☐ Select user_id from profile where user_id not in('1001','1002','1006');

```
select user_id,C_name from profile where C_name like '__m%'
select vehicle_no from transport where fare between 1000 and 2700
Select user_id from profile where user_id not in('1001','1002','1006')
```

Output pane

Data Output | Explain | Messages | History

	user_id character varying(50)
1	1003
2	1010
3	1004
4	1008
5	1007

☐ Select C_name from profile where user_id in('1001','1002','1006');

```
select vehicle_no from transport where fare between 1000 and 2700
Select user_id from profile where user_id not in('1001','1002','1006')
Select C_name from profile where user_id in('1001','1002','1006')
```

Output pane

Data Output | Explain | Messages | History

	c_name character varying(50)
1	Simran
2	Rohan
3	Praveen

□ select vehicle_no from transport where fare not between 1000 and 2000

Select user_id from profile where user_id not in('1001','1002','1006')
Select C_name from profile where user_id in('1001','1002','1006')
select vehicle_no from transport where fare not between 1000 and 2000

Output pane

Data Output | Explain | Messages | History

	vehicle_no character varying(50)
1	KL094567
2	KL057312
3	KL055123
4	KL038562
5	KL057569
6	KL050312

● select user_id from customers union select user_id from profile

select vehicle_no from transport where fare not between 1000 and 2000
select user_id from customers union select user_id from profile

Output pane

Data Output | Explain | Messages | History

	user_id character varying(50)
1	1001
2	1003
3	1002
4	1004
5	1006
6	1007
7	1010
8	1008

□ select user_id from customers union all select user_id from profile

select user_id from customers union select user_id from profile
select user_id from customers union all select user_id from profile

Output pane

Data Output | Explain | Messages | History

	user_id character varying(50)
1	1001
2	1002
3	1004
4	1001
5	1004
6	1003
7	1007
8	1002
9	1010
10	1004
11	1006
12	1008
13	1007
14	1006
15	1001
16	1002
17	1003
18	1010
19	1004
20	1006
21	1008

```
select user_id from customers union select user_id from profile
select user_id from customers union all select user_id from profile
```

	user_id character varying(50)
3	1004
4	1001
5	1004
6	1003
7	1007
8	1002
9	1010
10	1004
11	1006
12	1008
13	1007
14	1006
15	1001
16	1002
17	1003
18	1010
19	1004
20	1006
21	1008
22	1007

- select user_id from customers intersect select user_id from profile


```
select user_id from customers union all select user_id from profile
select user_id from customers intersect select user_id from profile
```

	user_id character varying(50)
1	1010
2	1001
3	1003
4	1002
5	1004
6	1006
7	1007
8	1008

⬜ select email,aid from profile natural join customers where user_id = '1001'

```
select user_id from customers union select user_id from profile
select user_id from customers union all select user_id from profile
select user_id from customers intersect select user_id from profile
select  email,aid  from profile natural join customers where user_id = '1001'
```

Output pane

Data Output | Explain | Messages | History

	email character varying(50)	aid character varying(50)
1	simran@gmail.com	1
2	simran@gmail.com	2

⬜ select email ,aid from profile p,customers c where p.user_id = c.user_id;

```
select user_id from customers union all select user_id from profile
select user_id from customers intersect select user_id from profile
select  email,aid  from profile natural join customers where user_id = '1001'
select  email ,aid  from profile p,customers c where p.user_id = c.user_id;
```

Output pane

Data Output | Explain | Messages | History

	email character varying(50)	aid character varying(50)
1	simran@gmail.com	1
2	rohan@gmail.com	2
3	sameer@gmail.com	1
4	simran@gmail.com	2
5	sameer@gmail.com	3
6	nandu@gmail.com	4
7	kaveri@gmail.com	3
8	rohan@gmail.com	3
9	simran123@gmail.com	3
10	sameer@gmail.com	4
11	praveen@gmail.com	4
12	sudeep@gmail.com	2
13	kaveri@gmail.com	2
14	praveen@gmail.com	1

Subqueries:

1) Select vehicle_no, type from transport
where fare > (select avg(fare) from transport);

```
select vehicle_no,type from transport
where fare > (select avg(fare) from transport);
```

Output pane

Data Output | Explain | Messages | History

	vehicle_no character varying(50)	type character varying(50)
1	KL054567	Shuttle
2	KL057312	Mini Bus
3	KL053123	Prime Sedan
4	KL057568	Cab
5	KL050312	Shuttle

2) Select user_id,T_name from customers where T_name IN(select T_name from tourist_places where nearby_airport='Trivandrum International Airport');

```
select user_id,T_name from customers where T_name IN( select T_name from tourist_places where nearby_airport='Trivandrum International Airport');
```

Output pane

Data Output | Explain | Messages | History

	user_id character varying(50)	t_name character varying(50)
1	1001	Varkala beach
2	1004	Azhikal beach
3	1008	Light house beach

Co-related queries:

1.) select vehicle_no,type from transport as tpt
where fare <=(select avg(fare) from transport where type=tpt.type);

```
select vehicle_no,type from transport as tpt
where fare <=( select avg(fare) from transport where type=tpt.type);
```

Output pane

Data Output | Explain | Messages | History

	vehicle_no character varying(50)	type character varying(50)
1	KL054567	Shuttle
2	KL051234	Prime SUV
3	KL054782	Cab
4	KL053691	Cab
5	KL057312	Mini Bus
6	KL053123	Prime Sedan
7	KL050312	Shuttle
8	KL041567	Cab

Membership test:

select vehicle_no,type,fare from transport where type in('Prime SUV','Prime Sedan','Shuttle');

```
select vehicle_no,type,fare from transport where type in('Prime SUV','Prime Sedan','Shuttle');
```

Output pane

Data Output | Explain | Messages | History

	vehicle_no character varying(50)	type character varying(50)	fare numeric(12,0)
1	KL054567	Shuttle	3000
2	KL051234	Prime SUV	2000
3	KL053123	Prime Sedan	2700
4	KL050312	Shuttle	3000

Final set of tables used for queries

Profile

user_id	C_Name	password	E-mail	Phone no
1001	Simran	sim_123	simran@gmail.com	9567545812
1002	Rohan	roh_123	rohan@gmail.com	9567541821
1004	Sameer	sam_123	sameer@gmail.com	8615473296
1003	Nandu	nan_123	nandu@gmail.com	9654751236
1007	Kaveri	kav_123	kaveri@gmail.com	8645974125
1010	Simran	simu_123	simran123@gmail.com	7621458321
1006	Praveen	prav_123	praveen@gmail.com	9586412786
1008	Sudeep	sude_123	sudeep@gmail.com	8475675123

Customer

A_id	User_id	T_name	Vehicle_No
1	1001	Varkala beach	KL054567
2	1002	Pine forest	KL051234
1	1004	Kappad beach	KL054782
2	1001	Pine forest	KL053691
3	1004	Adventure park	KL051234
4	1003	Periyar wildlife sanctuary	KL057312
3	1007	Fantasy park	KL053123
3	1002	Bekal fort	KL038562
3	1010	Fantasy park	KL053123
4	1004	Azhikal beach	KL054567
4	1006	Periyar wildlife sanctuary	KL057312
2	1008	Light house beach	KL057568
2	1007	Kumarakom bird sanctuary	KL050312
1	1006	Kappad beach	KL041567

Tourist place

T_name	T_location	Nearby_airport
Varkala beach	Varkala	Trivandrum international airport
Pine forest	Vagamon	Cochin international airport
Kappad beach	Kozhikode	Karipur international airport
Pine forest	Vagamon	Cochin international airport
Adventure park	Vagamon	Cochin international airport
Periyar wildlife sanctuary	Thekkady	Madurai international airport
Fantasy park	Malampuzha	Coimbatore international airport
Bekal fort	Kasargod	Manglore international airport
Fantasy park	Malampuzha	Coimbatore international airport
Azhikal beach	Karunagapall	Trivandrum international airport
Periyar wildlife sanctuary	Thekkady	Madurai international airport
Light house beach	Kovalam	Trivandrum international airport
Kumarakom bird sanctuary	Kumarakom	Cochin international airport
Kappad beach	Kozhiko	Karipur international airport

Transport

Vehicle_No	Type	No.of_persons	Fare	Trans_contact
KL054567	Shuttle	8	3000	9876543234
KL051234	Prime SUV	5	2000	9948251632
KL054782	Cab	4	1500	8688226134
KL053691	Cab	4	1500	8247492958
KL053123	Prime Sedan	7	2700	8242382958
KL038562	Cab	6	2300	9382346832
KL057312	Mini Bus	8	3000	9567545832
KL057568	Cab	7	2700	9382325367
KL050312	Shuttle	8	3000	9382325213
KL041567	Cab	4	1500	9382325367

Code

HOME PAGE :

INDEX.HTML

```html
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<!--
Design by TEMPLATED
http://templated.co
Released for free under the Creative Commons Attribution License

Name       : Commercial
Description: A two-column, fixed-width design with simple color scheme.
Version    : 1.0
Released   : 20120520
-->
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta name="keywords" content="" />
<meta name="description" content="" />
<meta http-equiv="content-type" content="text/html; charset=utf-8" />
<title>Tourism Template</title>
<link href="http://fonts.googleapis.com/css?family=Abel" rel="stylesheet" type="text/css" />
<link href="style.css" rel="stylesheet" type="text/css" media="screen" />
<script type="text/javascript" src="http://ajax.googleapis.com/ajax/libs/jquery/1.7.1/jquery.min.js"></script>
<script type="text/javascript" src="jquery.dropotron-1.0.js"></script>
</head>
<body>
<div id="wrapper">
<div id="header-wrapper">
<div id="header">
<div id="logo">
<h1><a href="#">Kerala Tourism</a></h1>
<p><a href="http://templated.co" rel="nofollow"></a></p>
</div>
</div>
</div>

<!-- end #header -->
<div id="menu-wrapper">

<ul id="menu">
<li class="current_page_item"><a href="insert.html"><span>Insert</span></a></li>
<li> <a href="update.html"><span>Update</span></a></li>
<li><a href="delete.html"><span>Delete</span></a></li>
<li><a href="search.html"><span>Search</span></a></li>
</ul>
```

```html
<script type="text/javascript">
$('#menu').dropotron();
</script>
</div>
<!-- end #menu
<div id="splash"><img src="images/pics01.jpg" width="980" height="300" alt="" /></div>
<div id="page">
<div id="content">
<div class="contentbg">
<div class="post">
<h2 class="title"><a href="#">Welcome to commercial</a></h2>
<p class="meta">Posted by <a href="#">Someone</a> on May 22, 2012
 &bull;  <a href="#" class="comments">Comments (64)</a>  &bull;  <a href="#"
                class="permalink">Full article</a></p>
<div class="entry">
<p>This is <strong>Commercial</strong>, a free, fully standards-compliant CSS template designed by <a
                href="http://templated.co" rel="nofollow">TEMPLATED</a>.  The picture in this template is from <a
                href="http://fotogrph.com/">Fotogrph</a>.The gallery slider and popup gallery used in this template is
                powered by <a href="http://n33.co/">Poptrox</a> and <a href="http://n33.co/">Slidertron</a>.
                Dropdown menu is powered by <a href="http://n33.co/">Dropotron</a>. This free template is released
                under the <a href="http://templated.co/license">Creative Commons Attribution</a> license, so you're
                pretty much free to do whatever you want with it (even use it commercially) provided you give us credit for
                it. Have fun :)</p>
<p>Sed lacus. Donec lectus. Nullam pretium nibh ut turpis. Nam bibendum. In nulla tortor, elementum ipsum. Proin imperdiet
                est. Phasellus dapibus semper urna. Pellentesque ornare, orci in felis. Donec ut ante. In id eros. Suspendisse
                lacus turpis, cursus egestas at sem.</p>
</div>
</div>
<div class="post">
<h2 class="title"><a href="#">Lorem ipsum sed aliquam</a></h2>
<p class="meta">Posted by <a href="#">Someone</a> on May 19, 2012
 &bull;  <a href="#" class="comments">Comments (64)</a>  &bull;  <a href="#"
                class="permalink">Full article</a></p>
<div class="entry">
<p>Sed lacus. Donec lectus. Nullam pretium nibh ut turpis. Nam bibendum. In nulla tortor, elementum vel, tempor at, varius
                non, purus. Mauris vitae nisl nec metus placerat consectetuer. Donec ipsum. Proin imperdiet est. Phasellus
                <a href="#">dapibus semper urna</a>. Pellentesque ornare, consectetuer nisl felis ac diam. Sed lacus.
                Donec lectus. Nullam pretium nibh ut turpis. Nam bibendum. Mauris vitae nisl nec metus placerat
                consectetuer. </p>
</div>
</div>
<div class="post">
<h2 class="title"><a href="#">Phasellus pellentesque turpis </a></h2>
<p class="meta">Posted by <a href="#">Someone</a> on May 15, 2012
 &bull;  <a href="#" class="comments">Comments (64)</a>  &bull;  <a href="#"
                class="permalink">Full article</a></p>
<div class="entry">
<p>Sed lacus. Donec lectus. Nullam pretium nibh ut turpis. Nam bibendum. In nulla tortor, elementum vel, tempor at, varius
                non, purus. Mauris vitae nisl nec metus placerat consectetuer. Donec ipsum. Proin imperdiet est.
                Pellentesque ornare, orci in consectetuer hendrerit, urna elit eleifend nunc. Donec ipsum. Proin imperdiet
                est. Pellentesque ornare, orci in consectetuer hendrerit, urna elit eleifend nunc.</p>
</div>
```

```html
</div>
<div style="clear: both;"> </div>
</div>
</div>
 end #content
<div id="sidebar-bg">
<div id="sidebar">
<ul>
<li>
<h2>Aliquam tempus</h2>
<p>Mauris vitae nisl nec metus placerat perdiet est. Phasellus dapibus semper consectetuer hendrerit.</p>
</li>
<li>
<h2>Categories</h2>
<ul>
<li><a href="#">Aliquam libero</a></li>
<li><a href="#">Consectetuer adipiscing elit</a></li>
<li><a href="#">Suspendisse iaculis mauris</a></li>
<li><a href="#">Urnanet non molestie semper</a></li>
<li><a href="#">Proin gravida orci porttitor</a></li>
</ul>
</li>
<li>
<h2>Blogroll</h2>
<ul>
<li><a href="#">Aliquam libero</a></li>
<li><a href="#">Suspendisse iaculis mauris</a></li>
<li><a href="#">Urnanet non molestie semper</a></li>
<li><a href="#">Proin gravida orci porttitor</a></li>
</ul>
</li>
<li>
<h2>Archives</h2>
<ul>
<li><a href="#">Aliquam libero</a></li>
<li><a href="#">Consectetuer adipiscing elit</a></li>
<li><a href="#">Suspendisse iaculis mauris</a></li>
<li><a href="#">Urnanet non molestie semper</a></li>
<li><a href="#">Proin gravida orci porttitor</a></li>
</ul>
</li>
</ul>
</div>
</div>
 end #sidebar
<div style="clear: both;"> </div>
</div>
 end #page
</div>
<div id="footer">
<p>2012. Untitled. All rights reserved. Design by <a href="http://templated.co" rel="nofollow">TEMPLATED</a>. Photos by <a
                href="http://fotogrph.com/">fotogrph</a>.</p>
</div>
```

end #footer -->
</body>
</html>
STYLE.CSS

```css
/*
Design by TEMPLATED
http://templated.co
Released for free under the Creative Commons Attribution License
*/

body {
margin: 0;
padding: 0;
background: #FFFFFF;
font-family: Arial, Helvetica, sans-serif;
font-size: 14px;
color: #181B20;
}

h1, h2, h3 {
margin: 0px;
padding: 0px;
text-transform: lowercase;
font-family: 'Abel', sans-serif;
font-weight: 400;
color: #3FA449;
}

h1 {
font-size: 2em;
}

h2 {
font-size: 2.4em;
}

h3 {
font-size: 1.6em;
}

p, ul, ol {
margin-top: 0;
line-height: 180%;
}

ul, ol {
}

a {
text-decoration: none;
color: #9C9A9A;
}
```

```css
a:hover {
text-decoration: underline;
}

img.border {
border: 6px solid #EEE7DF;
}

img.alignleft {
float: left;
margin-right: 25px;
}

img.alignright {
float: right;
}

img.aligncenter {
margin: 0px auto;
}

#wrapper {
margin: 0 auto;
padding: 0;
}

/* Header */

#header-wrapper {
height: 240px;
background: #3A3A3A;
margin-bottom: 30px;
}

#header {
width: 960px;
height: 240px;
margin: 0 auto;
}

/* Logo */

#logo {
width: 980px;
height: 100px;
margin: 0px auto;
padding: 80px 0px 0px 0px;
color: #3FA43A;
}

#logo h1, #logo p {
display: block;
```

```css
margin: 0px;
padding: 0px;
text-transform: uppercase;
}

#logo h1 {
letter-spacing: -5px;
text-align: center;
text-transform: uppercase;
font-size: 80px;
color: #3FA43A;
}

#logo h1 a {
color: #73CC43;
}

#logo p {
margin-top: -25px;
text-align: center;
font-family: 'Abel', sans-serif;
font-size: 25px;
}

#logo a {
border: none;
background: none;
text-decoration: none;
color: #3FA43A;
}

/* Search */

#search {
float: right;
width: 280px;
height: 100px;
padding: 0;
}

#search form {
height: 41px;
margin: 0;
padding: 60px 0 0 30px;
}

#search fieldset {
margin: 0;
padding: 0;
border: none;
}

#search-text {
```

```css
    width: 195px;
    padding: 6px 10px;
    border: none;
    background: #FFFFFF;
    text-transform: lowercase;
    font: normal 11px Arial, Helvetica, sans-serif;
    color: #7F7F81;
}

#search-submit {
    display: none;
}

/* Menu */

#menu-wrapper {
    width: 465px;
    height: 60px;
    margin: 0px auto;
    padding: 0px;
    background: #3FA43A;
    border-radius: 10px;
}

#menu {
    margin: 0;
    padding: 0px 20px;
    list-style: none;
    line-height: 60px;
    letter-spacing: -1px;
    text-decoration: none;
    text-transform: uppercase;
    text-shadow: 2px 2px 2px rgba(0,0,0,.3);
    font-family: 'Abel', sans-serif;
    font-size: 24px;
    font-weight: normal;
    color: #FFFFFF;
}

#menu li {
    float: left;
    margin-right: 1px;
}

#menu a {
    display: block;
    float: left;
    height: 60px;
    margin: 0px;
    color: #FFFFFF;
}

#menu .current_page_item a {
```

```css
text-shadow: 2px 2px 2px rgba(0,0,0,.3);
background: #378C32;
}

#menu a:hover {
background: #378C32;
text-decoration: none;
text-shadow: 2px 2px 2px rgba(0,0,0,.3);
color: #FFFFFF;
}

#menu span {
padding: 0px 20px;
}

#menu > li {
}

#menu > li.active {
background: #378C32;
color: #FFFFFF;
}

.dropotron li.opener {
border-right: solid 2px #FFFFFF;
}

.dropotron {
margin: 0px;
padding: 10px 0px;
background: #378C32;
list-style: none;
text-transform: lowercase;
font-family: 'Abel', sans-serif;
font-size: 18px;
font-weight: normal;
color: #FFFFFF;
}

.dropotron a {
color: #fff;
text-decoration: none;
}

.dropotron li {
margin: 0px;
padding: 5px 20px;
}

.dropotron li:hover, .dropotron li.active {
background: #4DA43A;
}
```

```css
/* Page */

#page {
width: 980px;
margin: 0px auto;
padding: 0px;
}

/* Content */

#content {
float: right;
width: 650px;
}

#content .contentbg {
width: 590px;
padding: 10px 30px 0px 30px;
}

.post {
clear: both;
padding-bottom: 10px;
border-bottom: 1px solid #DEDEDE;
}

.post .title {
padding-top: 10px;
letter-spacing: -4px;
text-transform: lowercase;
font-size: 50px;
color: #3FA449;
}

.post .title a {
border: none;
color: #3FA449;
}

.post .meta {
padding-bottom: 10px;
text-align: left;
font-family: Arial, Helvetica, sans-serif;
font-size: 11px;
font-style: italic;
}

.post .meta a {
}

.post .entry {
text-align: justify;
margin-bottom: 25px;
```

```css
padding: 10px 0px 0px 0px;
}

.links {
display: block;
width: 96px;
padding: 2px 0px 2px 0px;
background: #A53602;
text-align: center;
text-transform: uppercase;
font-size: 10px;
color: #FFFFFF;
}

/* Sidebar */

#sidebar-bg {
float: left;
width: 330px;
}

#sidebar {
overflow: hidden;
width: 270px;
padding: 30px 30px 20px 30px;
}

#sidebar ul {
margin: 0;
padding: 0;
list-style: none;
}

#sidebar li {
margin: 0;
padding: 0;
}

#sidebar li ul {
margin: 0px 0px;
padding-bottom: 30px;
}

#sidebar li li {
line-height: 35px;
}

#sidebar li li span {
display: block;
margin-top: -20px;
padding: 0;
font-size: 11px;
font-style: italic;
```

```css
}

#sidebar h2 {
height: 38px;
margin-bottom: 20px;
padding: 12px 0 0 0px;
border-bottom: 1px solid #F1DAF7;
letter-spacing: -2px;
font-size: 30px;
color: #3FA449;
}

#sidebar p {
margin: 0 0px;
padding: 0px 20px 20px 20px;
text-align: justify;
}

#sidebar a {
border: none;
}

#sidebar a:hover {
text-decoration: underline;
}

/* Calendar */

#calendar {
}

#calendar_wrap {
padding: 20px;
}

#calendar table {
width: 100%;
}

#calendar tbody td {
text-align: center;
}

#calendar #next {
text-align: right;
}

/* Footer */

#footer {
height: 100px;
background: #3A3A3A;
}
```

```
#footer p {
margin: 0;
padding-top: 18px;
line-height: normal;
text-align: center;
text-transform: lowercase;
font-family: 'Abel', sans-serif;
font-size: 16px;
color: #A4B890;
}

#footer a {
text-decoration: underline;
color: #70C964;
}

#slider {
position: relative;
width: 590px;
margin: 0px auto 20px auto;
}

#slider .viewer {
width: 590px;
height: 300px;
overflow: hidden;
margin: 0 auto;
}

#slider .viewer .reel {
display: none;
height: 300px;
}

#slider .viewer .reel .slide {
position: relative;
width: 590px;
height: 300px;
}

#splash {
width: 980px;
margin: 30px auto 0px auto;
}
```

UPDATE :

UPDATE.HTML

```html
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<!--
Design by TEMPLATED
http://templated.co
Released for free under the Creative Commons Attribution License

Name       : Commercial
Description: A two-column, fixed-width design with simple color scheme.
Version    : 1.0
Released   : 20120520
-->
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta name="keywords" content="" />
<meta name="description" content="" />
<meta http-equiv="content-type" content="text/html; charset=utf-8" />
<title>Tourism Template</title>
<link href="http://fonts.googleapis.com/css?family=Abel" rel="stylesheet" type="text/css" />
<link href="style.css" rel="stylesheet" type="text/css" media="screen" />
<script type="text/javascript" src="http://ajax.googleapis.com/ajax/libs/jquery/1.7.1/jquery.min.js"></script>
<script type="text/javascript" src="jquery.dropotron-1.0.js"></script>
</head>
<body>
<div id="wrapper">
<div id="header-wrapper">
<div id="header">
<div id="logo">
<h1><a href="index.html">Kerala Tourism</a></h1>
<p><a href="http://templated.co" rel="nofollow"></a></p>
</div>
</div>
</div>

<!-- end #header -->
<style>
 form {
   border: 3px solid #f1f1f1;
}

input[type=text], input[type=password] {
   width: 100%;
   padding: 12px 20px;
   margin: 8px 0;
   display: inline-block;
   border: 1px solid #ccc;
   box-sizing: border-box;
}

button {
   background-color: #4CAF50;
   color: white;
   padding: 14px 20px;
```

```css
    margin: 8px 0;
    border: none;
    cursor: pointer;
    width: 100%;
}

button:hover {
    opacity: 0.8;
}

.cancelbtn {
    width: auto;
    padding: 10px 18px;
    background-color: #f44336;
}

.imgcontainer {
    text-align: center;
    margin: 24px 0 12px 0;
}

img.avatar {
    width: 40%;
    border-radius: 50%;
}

.container {
    padding: 16px;
}

span.psw {
    float: right;
    padding-top: 16px;
}

/* Change styles for span and cancel button on extra small screens */
@media screen and (max-width: 300px) {
    span.psw {
        display: block;
        float: none;
    }
    .cancelbtn {
        width: 100%;
    }
}
</style>
<body>

<h2></h2>

<div id="id03" class="modal">

<form class="container" action="/New/update.php" method="post">
```

```html
<div class="imgcontainer">
<span onclick="document.getElementById('id03').style.display='none'" class="close" title="Close Modal">&times;</span>
</div>

<div class="container">
<input type="text" placeholder="Enter column name to be updated" name="colname">

<input type="text" placeholder="Enter the value to update" name="newvalue">

<input type="text" placeholder="Enter condition" name="wcond">
<button type="submit" onclick = ''>UPDATE</button>

<!--
<div class="container" style="background-color:#f1f1f1">
<button type="button" class="cancelbtn">Cancel</button>
<span class="psw">Forgot <a href="#">password?</a></span>
</div>-->
</form>

<script>
var modal = document.getElementById('id03');

// When the user clicks anywhere outside of the modal, close it
window.onclick = function(event) {
if (event.target == modal) {
modal.style.display = "none";
}
}
</script><!--
  <div class="container" style="background-color:#f1f1f1">
    <button type="button" class="cancelbtn">Cancel</button>
    <span class="psw">Forgot <a href="#">password?</a></span>
  </div>-->
</form>

</body>
</html>
```

UPDATE.PHP
```php
<?php

if(isset( $_POST['newvalue']))
{
$selnewvalue = $_POST['newvalue'];
}
if(isset( $_POST['wcond']))

{
$selwcond = $_POST['wcond'];
}
if(isset( $_POST['colname']))

{
```

```php
$selcolname = $_POST['colname'];
}

$sql = "UPDATE tourist_places SET " . $selcolname . " = '" . $selnewvalue . "' where T_name = '" . $selwcond . "';"; $sqlcon =
                    mysqli_connect("127.0.0.1","root","sindhu123", "Project");

if(!$sqlcon)
{
die("Error in connecting database");
}

if ($sqlcon -> query($sql) === TRUE)
{
echo 'Successfully Update';
}
Else

{
echo 'Error in updating the value'; echo$sql;

}
?>
```

INSERT:

INSERT.HTML

```html
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<!--
Design by TEMPLATED
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Name       : Commercial
Description: A two-column, fixed-width design with simple color scheme.
Version    : 1.0
Released   : 20120520
-->
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta name="keywords" content="" />
<meta name="description" content="" />
<meta http-equiv="content-type" content="text/html; charset=utf-8" />
<title>Tourism Template</title>
<link href="http://fonts.googleapis.com/css?family=Abel" rel="stylesheet" type="text/css" />
<link href="style.css" rel="stylesheet" type="text/css" media="screen" />
<script type="text/javascript" src="http://ajax.googleapis.com/ajax/libs/jquery/1.7.1/jquery.min.js"></script>
<script type="text/javascript" src="jquery.dropotron-1.0.js"></script>
</head>
<body>
<div id="wrapper">
<div id="header-wrapper">
<div id="header">
<div id="logo">
<h1><a href="index.html">Kerala Tourism</a></h1>
```

<p></p>
</div>
</div>
</div>

<!-- end #header -->
<style>
  form {
    border: 3px solid #f1f1f1;
}

input[type=text], input[type=password] {
    width: 100%;
    padding: 12px 20px;
    margin: 8px 0;
    display: inline-block;
    border: 1px solid #ccc;
    box-sizing: border-box;
}

button {
    background-color: #4CAF50;
    color: white;
    padding: 14px 20px;
    margin: 8px 0;
    border: none;
    cursor: pointer;
    width: 100%;
}

button:hover {
    opacity: 0.8;
}

.cancelbtn {
    width: auto;
    padding: 10px 18px;
    background-color: #f44336;
}

.imgcontainer {
    text-align: center;
    margin: 24px 0 12px 0;
}

img.avatar {
    width: 40%;
    border-radius: 50%;
}

.container {
    padding: 16px;
}

span.psw {
    float: right;

```css
    padding-top: 16px;
}

/* Change styles for span and cancel button on extra small screens */
@media screen and (max-width: 300px) {
    span.psw {
      display: block;
      float: none;
    }
    .cancelbtn {
      width: 100%;
    }
}
</style>
```

```html
<h2></h2>

<!--<form action="/insert.php">-->
<div id="id01" class="modal">

  <form class="container" action="/New/insert.php" method="post">
    <div class="imgcontainer">
      <span onclick="document.getElementById('id01').style.display='none'" class="close" title="Close Modal">&times;</span>
    </div>

  <div class="container">
    <label><b>Tourist Place Name</b></label>
    <input type="text" placeholder="Enter Tourist name" name="T_name">

    <label><b>T Location</b></label>
    <input type="text" placeholder="Enter Tourist place location" name="T_location">

    <label><b>Nearby Airport</b></label>
    <input type="text" placeholder="Enter Nearby Airport" name="Nearby_Airport">
<button type="submit" onclick = ">INSERT</button>

<!--
  <div class="container" style="background-color:#f1f1f1">
    <button type="button" class="cancelbtn">Cancel</button>
    <span class="psw">Forgot <a href="#">password?</a></span>
  </div>-->
</form>

<script>
var modal = document.getElementById('id01');

// When the user clicks anywhere outside of the modal, close it
window.onclick = function(event) {
    if (event.target == modal) {
      modal.style.display = "none";
    }
}
</script>

</body>
</html>
```

INSERT.PHP

```php
<?php

if(isset( $_POST['T_name']))
{
$selT_name = $_POST['T_name'];
}
if(isset( $_POST['T_location']))
{
$selT_location = $_POST['T_location'];
}
if(isset( $_POST['Nearby_Airport']))
{
$selNearby_Airport = $_POST['Nearby_Airport'];
}


$sql = "INSERT INTO tourist_places (T_name,T_location,Nearby_Airport ) VALUES
                ('$selT_name','$selT_location','$selNearby_Airport')";

$sqlcon = mysqli_connect("127.0.0.1","root","sindhu123", "Project"); if(!$sqlcon)
{
                        die("Error in connecting database");
}
if ($sqlcon -> query($sql) === TRUE)
{
echo 'inserted successfully';
}
else
{
echo 'Error          - ';
echo 'No duplicate value of primary key is accepted';



}

?>
```

SEARCH:

SEARCH.HTML
```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<!--
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Name       : Commercial
Description: A two-column, fixed-width design with simple color scheme.
Version   : 1.0
Released   : 20120520
```

```html
-->
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta name="keywords" content="" />
<meta name="description" content="" />
<meta http-equiv="content-type" content="text/html; charset=utf-8" />
<title>Tourism Template</title>
<link href="http://fonts.googleapis.com/css?family=Abel" rel="stylesheet" type="text/css" />
<link href="style.css" rel="stylesheet" type="text/css" media="screen" />
<script type="text/javascript" src="http://ajax.googleapis.com/ajax/libs/jquery/1.7.1/jquery.min.js"></script>
<script type="text/javascript" src="jquery.dropotron-1.0.js"></script>
</head>
<body>
<div id="wrapper">
<div id="header-wrapper">
<div id="header">
<div id="logo">
<h1><a href="index.html">Kerala Tourism</a></h1>
<p><a href="http://templated.co" rel="nofollow"></a></p>
</div>
</div>
</div>

<!-- end #header -->
<style>
 form {
   border: 3px solid #f1f1f1;
}

input[type=text], input[type=password] {
   width: 100%;
   padding: 12px 20px;
   margin: 8px 0;
   display: inline-block;
   border: 1px solid #ccc;
   box-sizing: border-box;
}

button {
   background-color: #4CAF50;
   color: white;
   padding: 14px 20px;
   margin: 8px 0;
   border: none;
   cursor: pointer;
   width: 100%;
}

button:hover {
   opacity: 0.8;
}

.cancelbtn {
```

```css
    width: auto;
    padding: 10px 18px;
    background-color: #f44336;
}

.imgcontainer {
    text-align: center;
    margin: 24px 0 12px 0;
}

img.avatar {
    width: 40%;
    border-radius: 50%;
}

.container {
    padding: 16px;
}

span.psw {
    float: right;
    padding-top: 16px;
}

/* Change styles for span and cancel button on extra small screens */
@media screen and (max-width: 300px) {
    span.psw {
      display: block;
      float: none;
    }
    .cancelbtn {
      width: 100%;
    }
}
</style>
<body>

<h2></h2>
<div id="id04" class="modal">

<form class="container" action="/New/search.php" method="post">
<div class="imgcontainer">
<span onclick="document.getElementById('id04').style.display='none'" class="close" title="Close Modal">&times;</span>
</div>
<div class="container">
<input type="text" placeholder="Enter the tourist place name to search" name="search">

<button type="submit" onclick = ''>SEARCH</button>

<!--
<div class="container" style="background-color:#f1f1f1">
<button type="button" class="cancelbtn">Cancel</button>
<span class="psw">Forgot <a href="#">password?</a></span>
```

```
</div>-->
</form>

<script>
var modal = document.getElementById('id04');

// When the user clicks anywhere outside of the modal, close it
window.onclick = function(event) {
if (event.target == modal) {
modal.style.display = "none";
}
}
</script>
</form>

</body>
</html>
```

SEARCH.PHP

```php
<?php

if(isset( $_POST['search']))
{
$selsearch = $_POST['search'];
}


$sqlcon = mysqli_connect("127.0.0.1","root","sindhu123", "Project"); if(!$sqlcon)
{
die("Error in connecting database");
}


$sql = "SELECT * FROM tourist_places where T_name='$selsearch' ";
$result = $sqlcon->query($sql);

if ($result->num_rows > 0) {
// output data of each row
while($row = $result->fetch_assoc()) {
echo "Tourist place name : " .$row["T_name"]. "<br>"." Tourist place location : "
.$row["T_location"]. "<br>". " Nearby Airport : " . $row["Nearby_Airport"]. "<br>"  ;

}
} else {
echo "0 results";
}
?>
```

DELETE:

DELETE.HTML
```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<!--
Design by TEMPLATED
http://templated.co
```

Name   : Commercial
Description: A two-column, fixed-width design with simple color scheme.
Version   : 1.0
Released   : 20120520
-->
```html
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<meta name="keywords" content="" />
<meta name="description" content="" />
<meta http-equiv="content-type" content="text/html; charset=utf-8" />
<title>Tourism Template</title>
<link href="http://fonts.googleapis.com/css?family=Abel" rel="stylesheet" type="text/css" />
<link href="style.css" rel="stylesheet" type="text/css" media="screen" />
<script type="text/javascript" src="http://ajax.googleapis.com/ajax/libs/jquery/1.7.1/jquery.min.js"></script>
<script type="text/javascript" src="jquery.dropotron-1.0.js"></script>
</head>
<body>
<div id="wrapper">
<div id="header-wrapper">
<div id="header">
<div id="logo">
<h1><a href="index.html">Kerala Tourism</a></h1>
<p><a href="http://templated.co" rel="nofollow"></a></p>
</div>
</div>
</div>

<!-- end #header -->
<style>
 form {
   border: 3px solid #f1f1f1;
}

input[type=text], input[type=password] {
   width: 100%;
   padding: 12px 20px;
   margin: 8px 0;
   display: inline-block;
   border: 1px solid #ccc;
   box-sizing: border-box;
}

button {
   background-color: #4CAF50;
   color: white;
   padding: 14px 20px;
   margin: 8px 0;
   border: none;
   cursor: pointer;
   width: 100%;
}
```

```css
button:hover {
    opacity: 0.8;
}

.cancelbtn {
    width: auto;
    padding: 10px 18px;
    background-color: #f44336;
}

.imgcontainer {
    text-align: center;
    margin: 24px 0 12px 0;
}

img.avatar {
    width: 40%;
    border-radius: 50%;
}

.container {
    padding: 16px;
}

span.psw {
    float: right;
    padding-top: 16px;
}

/* Change styles for span and cancel button on extra small screens */
@media screen and (max-width: 300px) {
    span.psw {
        display: block;
        float: none;
    }
    .cancelbtn {
        width: 100%;
    }
}
</style>
<body>

<h2></h2>

<div id="id02" class="modal">

<form class="container" action="/New/delete.php" method="post">
<div class="imgcontainer">
<span onclick="document.getElementById('id02').style.display='none'" class="close" title="Close Modal">&times;</span>
</div>
    <input type="text" placeholder="Enter tourist place name to delete the record" name="ratbute">
<button type="submit" onclick = ''>DELETE</button>
```

```
<!--
<div class="container" style="background-color:#f1f1f1">
<button type="button" class="cancelbtn">Cancel</button>
<span class="psw">Forgot <a href="#">password?</a></span>
</div>-->
</form>

<script>
var modal = document.getElementById('id02');

// When the user clicks anywhere outside of the modal, close it
window.onclick = function(event) {
if (event.target == modal) {
modal.style.display = "none";
}
}
</script>
</body>
</html>
```

DELETE.PHP

```php
<?php

if(isset( $_POST['ratbute']))
{
$selratbute = $_POST['ratbute'];
}

$sql = " DELETE FROM tourist_places where T_name = '" .$selratbute. "';";
$sqlcon = mysqli_connect("127.0.0.1","root","sindhu123", "Project"); if(!$sqlcon)
{
die("Error in connecting database");
}

if ($sqlcon -> query($sql) === TRUE)
{
echo 'Successfully Deleted'; echo $sql;
}
else
{
echo 'Error in deleting'; echo $sql;

}

?>
```
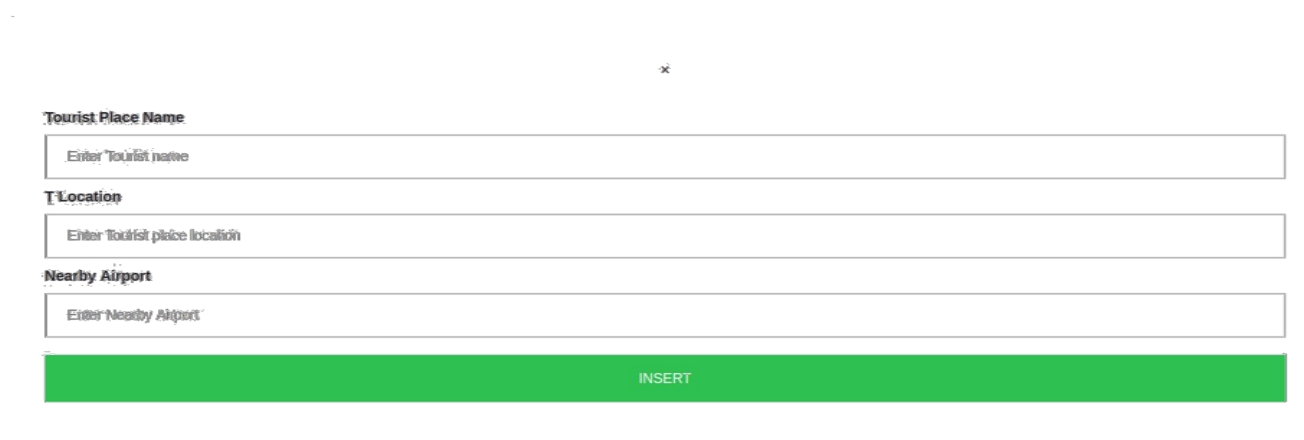
Screen shots for the above three forms:

Home page:

Insert :

Tourist Place Name

Enter Tourist name

T Location

Enter Tourist place location

Nearby Airport

Enter Nearby Airport

INSERT

Search :

Search_input:

Search_output:

Tourist place name : Varkala beach
Tourist place location : varkaala
Nearby Airport : Trivandrum International Airport

Update :

KERALA TOURISM

×

Enter column name to be updated

Enter the value to update

Enter condition

UPDATE