**IDBMS PROJECT**

**GROUP MEMBERS**

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**INTRODUCTION-**

Our project is a web based software using Mysql data base for trip management system.Our project inspires from Make My Trip and other travel management sites.It helps user to plan its trips in advance. The project mainly focuses on the Mysql database and its connectivity.

**TECH STACK-**

**1.MYSQL**-MYSQL is an open –source relational database management system.

**2. Express-**A Node.js web framework which acts as a middleware for the function of creating robust APIs.

**3. HTML-CSS-**Languages for Web interaction .

**4.Nodejs-**Node.js is a free, open-sourced JavaScript run-time environment that lets developers write command line tools and server-side scripts outside of a browser.

**Additional Dependencies installed**

Mysql

body-parser

ejs

express-session

nodemon

dotenv

**KEY FEATURES**

**EXPLORE CITY**

You can see Hotels,Restaurants, Places to visit and Nearby cities for a particular city we serve.

**BOOK MY BUS**

You can book, delete and check your bus reservation. Check the total available seats and cost too.

**BOOK MY HOTEL**

You can also book, delete and check Hotels to stay from the list of options available by us.

**Tables**

**CAB**

.CabType(cab\_types)

Primary key: cab\_types

Foreign key: None

.CabService(cab\_service\_id,provider\_name,contact\_no.,rating)

Primary Key:cab\_service\_id

Foreign Key:None

.CabServiceInACity(cab\_service\_id,city\_name)

Primary Key:{cab\_service,city\_name}

Foreign Key:-

cab\_service\_id from table CabService as cab\_service\_id.

City\_name from table city as city\_name

Cabs(cabs\_service\_id,city\_name,cab\_type,cost\_per\_day,total\_available\_cabs)

.Primary Key:{cab\_service\_id,city\_name,cab\_types}

.Foreign Key:

{cab\_service\_id,city\_name} from tables CabServiceInACity as{cab\_service\_id,city\_name}

Cab\_type from table CabType as cab\_types

**Bus**

.Bus(bus\_id,bus\_service\_provider,is\_ac,rating)

Primary Key:

bus\_id

Foreign Key:

None

.BusDepartureTime(bus\_id,source,departure\_date,time\_of\_departure)

Primary Key:

{bus\_id,source,departure\_date}

Foreign Key

Bus\_id from table Bus as bus\_id

City\_name from table City as source

.BusJourney Hours(bus\_id,source,destination,departure\_date,journey\_hours)

Primary Key:

{bus\_id,source,destination,departure\_date}

Foreign Key:

{bus\_id,source,departure\_date} from table

BusDepartureTime as {bus\_id,source,departure\_date}

city\_name from table City as destination

.BusReservation(bus\_id,source,destination,departure\_date,seat\_type,cost,total\_available\_seats)

Primary Key:

{bus\_id,source,destination,departure\_date,seat\_type}

Foreign Key

{bus\_id,source,departure\_date} from table BusDepartureTime as {bus\_id,source,departure\_date}

City\_name from table City as destination

**.CITY**

City(city\_name)

Primary Key:

City\_name

Foreign Key

None

NearByCities(current\_city,nearby\_city)

Primary Key:

{current\_city,nearby\_city}

Foreign Key:

City\_name from table City as current\_city

City\_name from table City as nearby\_city

**.LOCALITY**

Locality(locality\_id,locality\_name,city\_name)

Primary Key:

Locality\_id

Foreign Key:

City\_name from table City as city\_name

**.Place To Visit**

PlaceToVisit(place\_name,locality\_id,place\_type,description\_of\_the\_place,street\_address,rating,avg\_cost\_per\_person)

Primary Key:

{place\_name,locality\_id}

Foreign Key:

Locality\_id from table Locality as locality\_id

**.Hotels**

Hotel(hotel\_name,locality\_id,rating,street\_address,is\_room\_service,contact\_no.)

Primary Key

{hotel\_name,locality\_id}

Foreign Key:

Locality\_id from table Locality as locality\_id

.HotelResvaration(hotel\_name,locality\_id,date\_of\_availability,room\_type,total\_available\_rooms\_cost)

Primary Key:

{hotel\_name,locality\_id,date\_of\_availability,room\_type}

Foreign Key:

{hotel\_name,locality\_id} from table Hotels as {hotel\_name,locality\_id}

room\_type from table TypeOfRoom as room\_type

TypeOfRoom(room\_type,max\_accomodation)

Primary Key:

room\_type

Foreign Key:None

**.Restaurants**

Restaurants(restaurant\_name,locality\_id,restaurant\_type,rating,street\_address,avg\_cost\_per\_person)

Primary Key:

{restaurant\_name,locality\_id}

Foreign key:

Locality\_id from table Locality as locality\_id