MY CITY INFORMATION

Abstract:

Nowadays software application plays a major role in each and every field to improve their carrier. In our state as well as in other states there are many people accessing website if they want to know about city information. It helps user to view city information in easier way. Users can view the data in anytime and anywhere. The idea behind this application is to help people to find different services, entertainment and other facilities available in there city and this application is also useful for the tourist to know where are hotels transport facilities like metro stations, tourist, places etc.. This application can also be used to find different places in near by area by using current location or landmark. This application can also be used to know rating of different places, timings and other details.

Requirement Analysis:

List of Tables:

- 1) MyCity
- 2)Hotels
- 3)TouristPlaces
- 4)MetroStations
- 5)Has_Metro_Stations
- 6)Has_Tourist_Places
- 7)Has_Hotels
- 8)Services

List of attributes with domain types:

Mycity:

City name:cityname-varchar2(15)

Current location/Landmark:landmarkvarchar2(15)

Services:

City name:cityname-varchar2(15)

Services available: services-varchar2(15)

Hotels:

Hotel Name:hotel_name-varchar2(15)

Hotel phone number :phone_numbernumber(10)

Hotel Rating: rating-number(2)(rating between 1 and 10)

Hotel Loaction:landmark-varchar2(15)

Has_Hotels:

City Name:cityname-varchar2(15)

Hotel Name:hotel_name-varhar2(15)

MetroStations:

Metro Station name:station_namevarchar2(15)

Metro Station Timmings:timmingsvarchar2(15)

Metro Station Landmark/Location:landmark-varchar2(15)

Has_Metro_Stations:

City Name:cityname-varchar2(15)

Metro Station Name:Station_namevarhar2(15)

Tourist_Places:

Tourist place name:place_name -varchar2(15)

Tourist place rating: rating -number(2)

Tourist place location:landmark-varchar2(15)

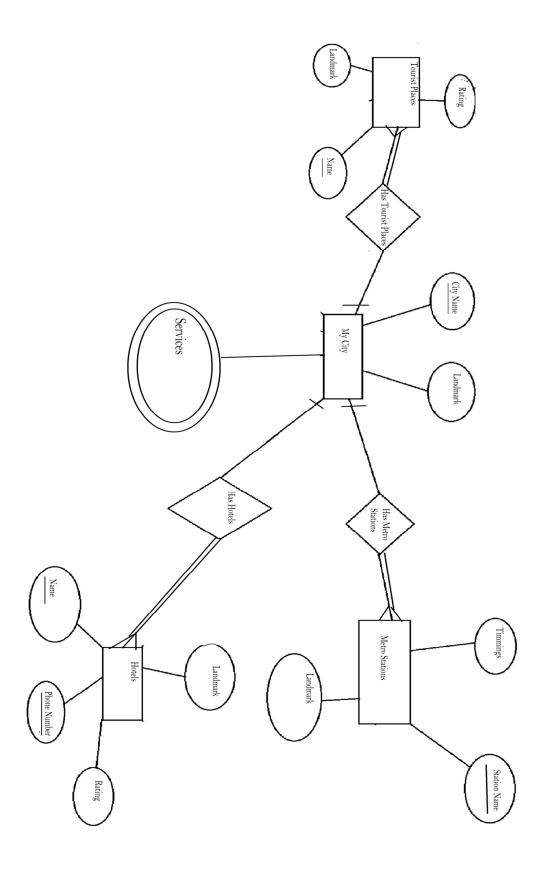
Has_Tourist_Places:

Tourist place name:place_name -varchar2(15)

Tourist place rating: rating -number(2)

Tourist place location:landmark-varchar2(15)

ER DIAGRAM:



Mapping Cardinalities and Participation Constraints:

->A city can can have more than one metro stations so there is one to many mapping cardinalities between my city and metro stations.

->Similary a city can have more than one hotels and tourist places so there is one to many mapping cardinalities mycity and hotels as well as mycity and tourist places.

->A city may have or may not have metro stations, tourist places, hotels so my city participates partially in relations has_hotels, has_metroStations, has_tourist_places;

->Every hotel,metrostation,tourist place will have a city so they totally paticipate in relations.

Mapping cardinalities and participation constraints

- ->A city can can have more than one metro stations so there is one to many mapping cardinalities between my city and metro stations.
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- ->A city may have or may not have metro stations, tourist places, hotels so my city participates partially in relations

has_hotels,has_metroStations,has_tourist_places;

->Every hotel,metrostation,tourist place will have a city so they totally paticipate in relations.

DDL Commands:

SQL> desc mycity;				
Name	Null? Type			
CITYNAME	NOT NULL VARCHAR2(15)			
LANDMARK	NOT NULL VARCHAR2(15)			
	rvices(cityname varchar2(15),services varchar2(15) no name) references mycity);			
	, - , , , , , , , , , , , , , , , , , ,			
null ,foreign key(city)	, - , , , , , , , , , , , , , , , , , ,			

VARCHAR2(15)

Name: D Yasho Vardhan Reddy Roll No: 1602-18-737-120

CITYNAME

SERVICES

NOT NULL VARCHAR2(15)

SQL> create table tourist_places(name varchar2(15) primary key,city varchar2(15) not null, landmark varchar2(15) not null,rating number(2));

Table created.

SQL> alter table tourist_places add constraint check_rating check(rating between 1 and 10);

Table altered.

SQL> desc tourist_places;

Name Null? Type

NAME NOT NULL VARCHAR2(15)

CITY NOT NULL VARCHAR2(15)

LANDMARK NOT NULL VARCHAR2(15)

RATING NUMBER(2)

SQL> alter table tourist_places rename column name to place_name;

Table altered.

SQL> create table has_tourist_places(cityname varchar2(15),place_name varchar2(15),foreign key(cityname) references mycity,foreign key(place_name) references tourist_places);

Table created. SQL> desc has_tourist_places;					
CITYNAME	VARCHAR2(15)				
PLACE_NAME	VARCHAR2(15)				
	ostations(station_name varchar2(15) primary 15) not null,timmings varchar2(10));				
Table created.					
SQL> desc metrostation	ns;				
Name	Null? Type				
STATION_NAME	NOT NULL VARCHAR2(15)				
LANDMARK	NOT NULL VARCHAR2(15)				
TIMMINGS	VARCHAR2(10)				
. •	metro_stations(cityname varchar2(15),station_name y(cityname) references mycity,foreign ences metrostations);				
Table created.					

Roll No: 1602-18-737-120

SQL> desc has_metro_s	tations;	
Name	Null?	Type
CITYNAME		VARCHAR2(15)
STATION_NAME		VARCHAR2(15)
SQL> desc has_metro_s	tations;	
Name	Null?	Type
CITYNAME		VARCHAR2(15)
STATION_NAME		VARCHAR2(15)
Table created. SQL> alter table hotels and 10);	add constrai	nts ckey_rating check(rating between 1
Table altered.		
SQL> desc hotels;		
Name	Null?	Type
HOTEL_NAME		NOT NULL VARCHAR2(15)
LANDMARK	1	NOT NULL VARCHAR2(15)
PHONE_NUMBER Name: D Yasho Vardhan Reddy		NUMBER(10)

RATING

NUMBER(2)

SQL> create table has_hotels(cityname varchar2(15),hotel_name varchar2(15),foreign key(cityname) references mycity,foreign key(hotel_name) references hotels);

Table created.

SQL> desc has_hotels;

Name

Null? Type

CITYNAME

VARCHAR2(15)

HOTEL_NAME

VARCHAR2(15)

DML Commands:

SQL> insert into mycity values('&cityname','&landmark');

Enter value for cityname: hyderabad

Enter value for landmark: M.J.Market

old 1: insert into mycity values('&cityname','&landmark')

new 1: insert into mycity values('hyderabad','M.J.Market')

1 row created.

SQL>/

Enter value for cityname: mumbai

Enter value for landmark: j.b.nagar

old 1: insert into mycity values('&cityname','&landmark')

new 1: insert into mycity values('mumbai','j.b.nagar')

1 row created.

SQL>/

Enter value for cityname: new delhi

Enter value for landmark: moti nagar

old 1: insert into mycity values('&cityname','&landmark')

new 1: insert into mycity values('new delhi','moti nagar')

1 row created.

SQL>/

Enter value for cityname: chennai

Enter value for landmark: ashok nagar

old 1: insert into mycity values('&cityname','&landmark')

new 1: insert into mycity values('chennai', 'ashok nagar')

1 row created.

SQL> insert into mycity values('&cityname','&landmark');

Enter value for cityname: vizag

Enter value for landmark: kailasagiri

old 1: insert into mycity values('&cityname','&landmark')

new 1: insert into mycity values('vizag','kailasagiri')

1 row created.

SQL> select * from mycity;

CITYNAME LANDMARK

hyderabad M.J.Market

mumbai j.b.nagar

new delhi — moti nagar

chennai ashok nagar

vizag kailasagiri

SQL> insert into services values('&cityname','&services');

Enter value for cityname: hyderabad

Enter value for services: metrorailways

old 1: insert into services values('&cityname','&services')

new 1: insert into services values('hyderabad','metrorailways')

1 row created.

SQL> insert into services values('&cityname','&services');

Enter value for cityname: hyderabad

Enter value for services: hotels

1: insert into services values('&cityname','&services') new 1: insert into services values('hyderabad','hotels') 1 row created. SQL>/ Enter value for cityname: hyderabad Enter value for services: touristplaces old 1: insert into services values('&cityname','&services') new 1: insert into services values('hyderabad','touristplaces') 1 row created. SQL> insert into services values('&cityname','&services'); Enter value for cityname: vizag Enter value for services: hotels old 1: insert into services values('&cityname','&services') new 1: insert into services values('vizag','hotels') 1 row created. SQL> / Enter value for cityname: vizag Enter value for services: touristplaces

old 1: insert into services values('&cityname','&services')

new 1: insert into services values('vizag','touristplaces')

1 row created.

SQL> insert into services values('&cityname','&services');

Enter value for cityname: mumbai

Enter value for services: metrorailways

old 1: insert into services values('&cityname','&services')

new 1: insert into services values('mumbai', 'metrorailways')

1 row created.

SQL>/

Enter value for cityname: mumbai

Enter value for services: hotels

old 1: insert into services values('&cityname','&services')

new 1: insert into services values('mumbai','hotels')

1 row created.

SQL>/

Enter value for cityname: mumbai

Enter value for services: touristplaces

old 1: insert into services values('&cityname','&services')

new 1: insert into services values('mumbai','touristplaces')

1 row created.

SQL>/

Enter value for cityname: Chennai

Enter value for services: metrorailways

old 1: insert into services values('&cityname','&services')

new 1: insert into services values('chennai', 'metrorailways')

1 row created.

SQL>/

Enter value for cityname: chennai

Enter value for services: touristplaces

old 1: insert into services values('&cityname','&services')

new 1: insert into services values('chennai','touristplaces')

1 row created.

SQL>/

Enter value for cityname: chennai

Enter value for services: hotels

old 1: insert into services values('&cityname','&services')

new 1: insert into services values('chennai','hotels')

1 row created.

SQL>/

Enter value for cityname: new delhi

Enter value for services: hotels

old 1: insert into services values('&cityname','&services')

new 1: insert into services values('new delhi','hotels')

1 row created.

SQL>/

Enter value for cityname: new delhi

Enter value for services: touristplaces

old 1: insert into services values('&cityname','&services')

new 1: insert into services values('new delhi','touristplaces')

1 row created.

SQL>/

Enter value for cityname: new delhi

Enter value for services: metrorailways

old 1: insert into services values('&cityname','&services')

new 1: insert into services values('new delhi','metrorailways')

1 row created.

SQL> select * from services;

CITYNAME SERVICES

hyderabad metrorailways

hyderabad hotels

hyderabad touristplaces

vizag hotels

vizag touristplaces

mumbai metrorailways

mumbai hotels

mumbai touristplaces

chennai metrorailways

chennai touristplaces

chennai hotels

CITYNAME SERVICES

new delhi hotels

new delhi touristplaces

new delhi metrorailways

14 rows selected.

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SQL>/
```

Enter value for station_name: MG Bus Stand

Enter value for landmak: osmania mc

Enter value for timmings: 9am-11pm

old 1: insert into metrostations values('&station_name','&landmak','&timmings')

new 1: insert into metrostations values('MG Bus Stand','osmania mc','9am-11pm')

1 row created.

SQL>/

Enter value for station_name: gandhibhavan ms

Enter value for landmak: mj market

Enter value for timmings: 9 am-11pm

old 1: insert into metrostations values('&station_name','&landmak','&timmings')

new 1: insert into metrostations values('gandhibhavan ms','mj market','9 am-11pm')

1 row created.

SQL>/

Enter value for station_name: RajivChowk MS

Enter value for landmak: central park

Enter value for timmings: 7 am-11 pm

old 1: insert into metrostations values('&station_name','&landmak','&timmings')

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new 1: insert into metrostations values('RajivChowk MS','central park','7 am-
11 pm')
1 row created.
SQL>/
Enter value for station_name: chakala
Enter value for landmak: j.b nagar
Enter value for timmings: 7 am-11pm
old 1: insert into metrostations
values('&station_name','&landmak','&timmings')
new 1: insert into metrostations values('chakala','j.b nagar','7 am-11pm')
1 row created.
SQL>/
Enter value for station_name: azad nagar ms
Enter value for landmak: azad postoffice
Enter value for timmings: 7 am-11 pm
old 1: insert into metrostations
values('&station_name','&landmak','&timmings')
new 1: insert into metrostations values('azad nagar ms','azad postoffice','7 am-
11 pm')
1 row created.
```

SQL>/

Enter value for station_name: LittleMount ms

Enter value for landmak: Saidapet

Enter value for timmings: 6am-10 pm

old 1: insert into metrostations values('&station_name','&landmak','&timmings')

new 1: insert into metrostations values('LittleMount ms','Saidapet','6am-10 pm')

1 row created.

SQL> select * from metrostations;

STATION_NAME LANDMARK TIMMINGS

MG Bus Stand osmania mc 9am-11pm

gandhibhavan ms mj market 9 am-11pm

RajivChowk MS central park 7 am-11 pm

chakala j.b nagar 7 am-11pm

azad nagar ms azad postoffice 7 am-11 pm

LittleMount ms Saidapet 6am-10 pm

6 rows selected.

SQL> insert into has_metro_stations values('&cityname','&station_name');

Enter value for cityname: hyderabad

Enter value for station_name: MG Bus Stand

old 1: insert into has_metro_stations values('&cityname','&station_name')

new 1: insert into has_metro_stations values('hyderabad','MG Bus Stand')

1 row created.

SQL>/

Enter value for cityname: mumbai

Enter value for station_name: chakala

old 1: insert into has_metro_stations values('&cityname','&station_name')

new 1: insert into has_metro_stations values('mumbai','chakala')

1 row created.

SQL>/

Enter value for cityname: chennai

Enter value for station_name: LittleMount ms

old 1: insert into has_metro_stations values('&cityname','&station_name')

new 1: insert into has_metro_stations values('chennai','LittleMount ms')

1 row created.

SQL> insert into has_metro_stations values('&cityname','&station_name');

Enter value for cityname: hyderabad

Enter value for station_name: gandhibhavan ms

old 1: insert into has_metro_stations values('&cityname','&station_name')

new 1: insert into has_metro_stations values('hyderabad','gandhibhavan ms')

1 row created.

SQL>/

Enter value for cityname: new delhi

Enter value for station_name: RajivChowk MS

old 1: insert into has_metro_stations values('&cityname','&station_name')

new 1: insert into has_metro_stations values('new delhi','RajivChowk MS')

1 row created.

SQL>/

Enter value for cityname: mumbai

Enter value for station_name: azad nagar ms

old 1: insert into has_metro_stations values('&cityname','&station_name')

new 1: insert into has_metro_stations values('mumbai','azad nagar ms')

1 row created.

SQL> select * from has_metro_stations;

CITYNAME STATION_NAME

hyderabad MG Bus Stand

mumbai chakala

chennai LittleMount ms

hyderabad gandhibhavan ms

new delhi RajivChowk MS

mumbai azad nagar ms

SQL> insert into tourist_places values('&place_name','&landmark',&rating);

Enter value for place_name: charminar

Enter value for landmark: oldcity

Enter value for rating: 9

old 1: insert into tourist_places values('&place_name','&landmark',&rating)

new 1: insert into tourist_places values('charminar','oldcity',9)

1 row created.

SQL>/

Enter value for place_name: birla temple

Enter value for landmark: assembly

Enter value for rating: 8.9

old 1: insert into tourist_places values('&place_name','&landmark',&rating)

new 1: insert into tourist_places values('birla temple','assembly',8.9)

1 row created.

SQL>/

Enter value for place_name: golconda

Enter value for landmark: ramdevguda

Enter value for rating: 9.5

old 1: insert into tourist_places values('&place_name','&landmark',&rating)

new 1: insert into tourist_places values('golconda','ramdevguda',9.5)

1 row created.

SQL>/

Enter value for place_name: hussain sagar

Enter value for landmark: necklace road

Enter value for rating: 7.5

old 1: insert into tourist_places values('&place_name','&landmark',&rating)

new 1: insert into tourist_places values('hussain sagar','necklace road',7.5)

1 row created.

SQL>/

Enter value for place_name: gatewayofindia

Enter value for landmark: Colaba

Enter value for rating: 9.6

old 1: insert into tourist_places values('&place_name','&landmark',&rating)

new 1: insert into tourist_places values('gatewayofindia','Colaba',9.6)

1 row created.

SQL>/

Enter value for place_name: INS Kursura

Enter value for landmark: R.K.BeachRoad

Enter value for rating: 8.6

old 1: insert into tourist_places values('&place_name','&landmark',&rating)

new 1: insert into tourist_places values('INS Kursura','R.K.BeachRoad',8.6)

1 row created.

SQL> select * from tourist_places;

PLACE_NAME	LANDMARK	RATING
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charminar oldcity 9

birla temple assembly 9

golconda ramdevguda 10

hussain sagar necklace road 8

gatewayofindia Colaba 10

INS Kursura R.K.BeachRoad 9

6 rows selected.

SQL> insert into has_tourist_places values('&cityname','&place_name');

Enter value for cityname: hyderabad

Enter value for place_name: golconda

old 1: insert into has_tourist_places values('&cityname','&place_name')

new 1: insert into has_tourist_places values('hyderabad','golconda')

1 row created.

SQL>/

Enter value for cityname: vizag

Enter value for place_name: INS Kursura

old 1: insert into has_tourist_places values('&cityname','&place_name')

new 1: insert into has_tourist_places values('vizag','INS Kursura')

1 row created.

SQL>/

Enter value for cityname: mumbai

Enter value for place_name: gatewayofindia

old 1: insert into has_tourist_places values('&cityname','&place_name')

new 1: insert into has_tourist_places values('mumbai','gatewayofindia')

1 row created.

SQL>/

Enter value for cityname: hyderabad

Enter value for place_name: birla temple

old 1: insert into has_tourist_places values('&cityname','&place_name')

new 1: insert into has_tourist_places values('hyderabad','birla temple')

1 row created.

SQL>/

Enter value for cityname: hyderabad

Enter value for place_name: hussain sagar

old 1: insert into has_tourist_places values('&cityname','&place_name')

new 1: insert into has_tourist_places values('hyderabad','hussain sagar')

1 row created.

SQL> insert into has_tourist_places values('&cityname','&place_name');

Enter value for cityname: hyderabad

Enter value for place_name: charminar

old 1: insert into has_tourist_places values('&cityname','&place_name')

new 1: insert into has_tourist_places values('hyderabad','charminar')

1 row created.

SQL> select * from has_tourist_places;

CITYNAME PLACE_NAME

hyderabad golconda

vizag INS Kursura

mumbai gatewayofindia

hyderabad birla temple

hyderabad hussain sagar

charminar hyderabad 6 rows selected. SQL> insert into hotels values('&hotel_name','&landmark',&phone_number,&rating); Enter value for hotel_name: amrutha castle Enter value for landmark: khairtabad Enter value for phone_number: 04044433888 Enter value for rating: 8.0 old 1: insert into hotels values('&hotel_name','&landmark',&phone_number,&rating) new 1: insert into hotels values('amrutha castle', 'khairtabad', 04044433888, 8.0) 1 row created. SQL>/ Enter value for hotel_name: haridwar Enter value for landmark: troop bazaar Enter value for phone_number: 04024656718 Enter value for rating: 8.5 old 1: insert into hotels values('&hotel_name','&landmark',&phone_number,&rating) new 1: insert into hotels values('haridwar ','troop bazaar',04024656718,8.5) 1 row created.

SQL>/

Enter value for hotel_name: Rajasthan Place

Enter value for landmark: daba gardens

Enter value for phone_number: 09000869622

Enter value for rating: 7.5

old 1: insert into hotels values('&hotel_name','&landmark',&phone_number,&rating)

new 1: insert into hotels values('Rajasthan Place','daba gardens',09000869622,7.5)

1 row created.

SQL > /

Enter value for hotel_name: zostel

Enter value for landmark: dandebagh

Enter value for phone_number: 02248962270

Enter value for rating: 8.6

old 1: insert into hotels values('&hotel_name','&landmark',&phone_number,&rating)

new 1: insert into hotels values('zostel','dandebagh',02248962270,8.6)

1 row created.

SQL> select * from hotels;

HOTEL_NAME LANDMARK PHONE_NUMBER RATING

amrutha castle khairtabad 4044433888 8

haridwar troop bazaar 4024656718 9

Rajasthan Place daba gardens 9000869622 8

zostel dandebagh 2248962270 9

SQL> insert into has_hotels values('&cityname','&hotel_name');

Enter value for cityname: hyderabad

Enter value for hotel_name: amrutha castle

old 1: insert into has_hotels values('&cityname','&hotel_name')

new 1: insert into has_hotels values('hyderabad','amrutha castle')

1 row created.

SQL> /

Enter value for cityname: mumbai

Enter value for hotel_name: zostel

old 1: insert into has_hotels values('&cityname','&hotel_name')

new 1: insert into has_hotels values('mumbai','zostel')

1 row created.

SQL>/

Enter value for cityname: vizag

Enter value for hotel_name: Rajasthan Place

old 1: insert into has_hotels values('&cityname','&hotel_name')

new 1: insert into has_hotels values('vizag','Rajasthan Place')

1 row created.

SQL> insert into has_hotels values('&cityname','&hotel_name');

Enter value for cityname: hyderabad

Enter value for hotel_name: haridwar

old 1: insert into has_hotels values('&cityname','&hotel_name')

new 1: insert into has_hotels values('hyderabad','haridwar')

1 row created.

SQL> select * from has_hotels;

CITYNAME HOTEL_NAME

hyderabad amrutha castle

mumbai zostel

vizag Rajasthan Place

hyderabad haridwar