

Project Submission

towards

DATABASE MANAGEMENT SYSTEMS

Course: Spring 2015

titled

“INDIAN TOURISM INFORMATION SYSTEM”

Guide: Prof. Animesh Mukherjee

Collaborators:

- | | | |
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DB Module

Spots

Name	Type	Comments
SpotID	INT	Primary Key
SpotName	VARCHAR(30)	
SpotAddr	VARCHAR(50)	
CityID	INT	Foreign Key (CityID)

Type

Name	Type	Comments
TypeID	INT	Primary Key
TypeName	VARCHAR(30)	
TypeDescription	VARCHAR(200)	

SpotType

Name	Type	Comments
SpotID	INT	Foreign Key (SpotID)
TypeID	INT	Foreign Key (TypeID)

SpotFare

Name	Type	Comments
SpotID	INT	Foreign Key(SpotID)
FareID	INT	Foreign Key(FareID)
Cost	INT	

Fare

Name	Type	Comments
FareID	INT	Primary Key
FareDescription	VARCHAR(100)	

HubSpotInfo

Name	Type	Comments
HubID	INT	Foreign Key (HubID)
SpotID	INT	Foreign Key (SpotID)
ConID	INT	Foreign Key (ConID)
Time	Time	
Fare	INT	

Conveyance

Name	Type	Comments
ConID	INT	Foreign Key (ConID)
ConName	VARCHAR(30)	

Hubs

Name	Type	Comments
HubID	INT	Foreign Key (HubID)
HubName	VARCHAR(30)	
Address	VARCHAR(200)	
CityID	INT	Foreign Key (CityID)

City

Name	Type	Comments
CityID	INT	Primary Key
Name	VARCHAR(30)	
PIN	CHAR(6)	
StateID	INT	Foreign Key (StateID)

State

Name	Type	Comments
StID	INT	Primary Key
Name	VARCHAR(30)	
CountryID	INT	Foreign Key (CountryID)

Country

Name	Type	Comments
CounID	INT	Primary Key
Name	VARCHAR(30)	

Hotel

Name	Type	Comments
HotelID	INT	Primary Key
Name	VARCHAR(30)	
Address	VARCHAR(200)	
CityID	INT	Foreign Key (CityID)
HChainID	INT	Foreign Key (HChainID)

Restaurants

Name	Type	Comments
ResID	INT	Primary Key
Name	VARCHAR(30)	
Address	VARCHAR(200)	
CityID	INT	Foreign Key (CityID)
RChainID	INT	Foreign Key (RChainID)

Res_Chain

Name	Type	Comments
RChainID	INT	Primary Key
Name	VARCHAR(30)	

Hotel_Chain

Name	Type	Comments
HChainID	INT	Primary Key
Name	VARCHAR(30)	

User Module

What the user sees.

The frontend is Web based which means a website. The user can use this system for getting information of all types.

The following are possible use cases:

1. The users has a specific spot name in mind. He/She searches using a provided search box and gets all spots.
2. User can see information of a spot. He/She gets all information like entrance fees, etc.
3. Search for a city. Get all spot names in this city, all hotels, restaurants etc.
4. Search for a specific hotel / hotel chain. Get information on cities it is in, address, website etc.
5. Similar to hotel search, restaurant search.

6. Input a spot and a hub and get all available travel information between the 2 points.
7. Simply browse spots by cities, states, countries or by type (like Forts vs Hill Stations).