

Project Milestone 1

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Due date: January 28, 2013, 11:55pm IST

1 Project Description

Introduction:

The service is offered to anyone who currently uses online travel guides or any other form of Trip websites. Basically this service will provide user an aggregate vacation package on the basis of queries like budget, days of travel, no. of tourist, accommodation type and other preferences depending upon the user. The service will run at real time at a time designated by the client. This would be of great help to the user to find out the exact what he wants at one place because till now no any travel site performs this kind of analysis and provides the result accordingly.

Project Outline:

This website will have features

- You can search for cities, hotels and places of interest in India based on the fact that different people will have different choice of interest.
- Most important features is a user can online plan his/ her travel by the providing the system a set of data like total budget, no. of tourist, days of travel. The system will process the database and then generate an itinerary which can be later reviewed or can be finalized for booking.
- The backend code will search for best set of entries that satisfies the user condition and tries to optimize the itinerary so that it can satisfy the condition that are defined by the user in the starting.
- Moreover he/she can plan a travel and invite his friends to be a part of that plan. So in this he can also manage to make a group travel.

Front-End:

The front-end/user-Interface will be implemented using either yii or codeigniter framework. User will get lots of option to customize his plan of travel and can also view it later if he/she wants. The front-end will further be able to accept queries regarding the above mentioned features in an intuitive manner.

Data Collection:

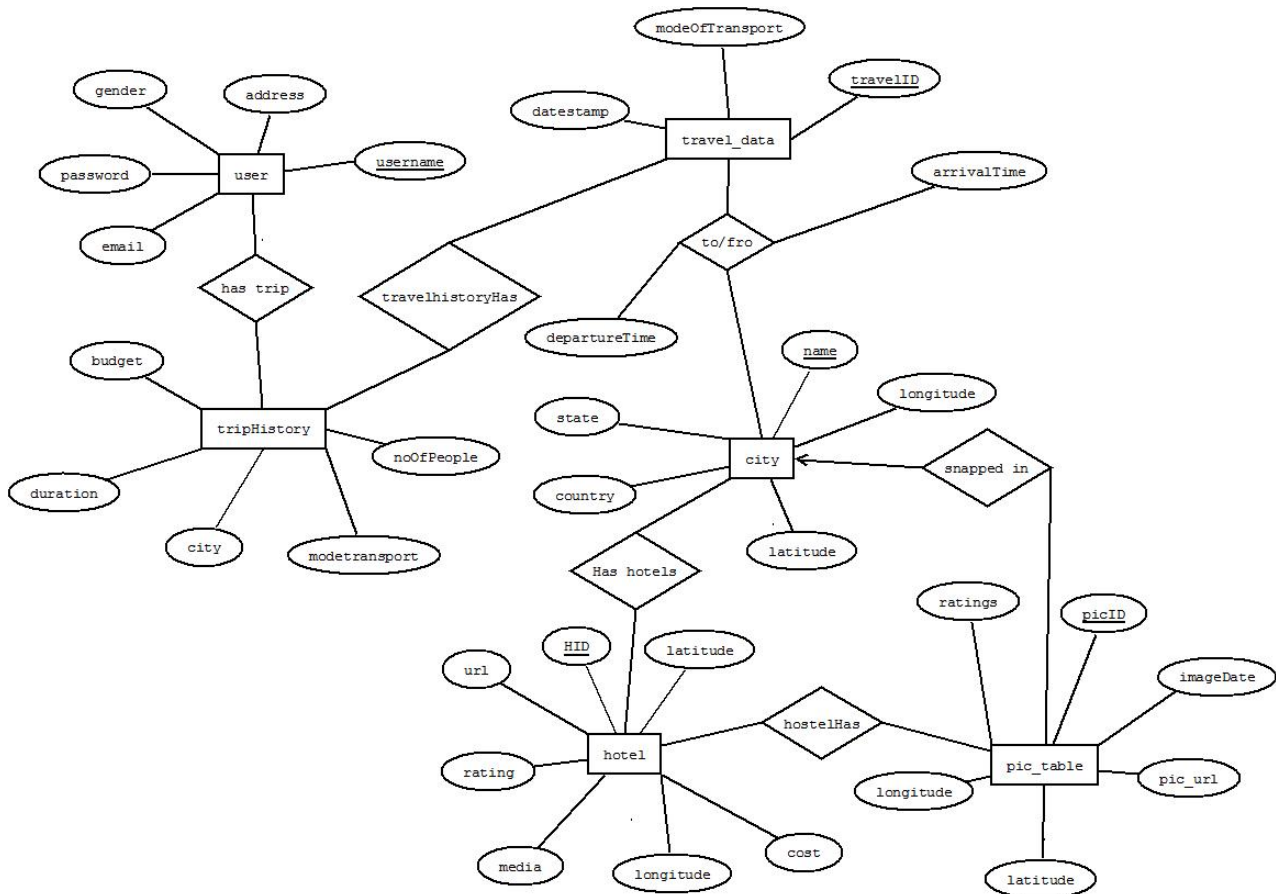
These are the links to the datasets where they are readily available and for a particle location we can retrieve the data. We are also planning to retrieve data from Flickr images as the contain the metadata of location where the snap is taken and also many other generic data.

- <http://developer.yahoo.com/flickr/>
- <http://developer.yahoo.com/yql>
- <http://developer.yahoo.com/yql/console/>

Data Analysis:

This data can be converted to CSV (comma-separated values) and other useful format using some php scripts and also some data is taken in XML from Flickr API using YQL packages as we would require information of images metadata and then converted in CSV using free packages and tables to make the back-end database.

Data Collection:



Structure of ER diagrams is as follows. Although it doesn't have all the attributes and entity sets because they will be modified according to the data available.

Functional Dependencies:

- For User:
 - username - username , email , password
 - username - address , gender
- Trip History:
 - Username - budget duration city modeoftransport noofpeople
 - Date - duration Travel Data travelID - modeoftransport timestamp
- City

- name - longitude latitude country state
- longitude latitude - name country state
- Hotel
 - HID - latitude longitude media
 - Media - cost url rating
 - Latitude longitude - city_name
- Pic_table
 - picID - pic pic_url HID
 - picID - longitude latitude
 - pic_url -imageData
- to/fro
 - travelID - Arivaltime departuretime
 - city_name - city_name

Relations Schema:

Entities	Attributes	Primary Key
User	Username , email , password , address , gender	username
Trip History	Budget , duration , city , modeofTransport , no. of people , date , username	username Date
Travel_Data	modeofTransport , travelID , datestamp	travelID
City	Name , longitude , latitude , country , state	name
hotel	HID , latitude , longitude , url , rating , media , cost , city_name	HID
Pic_table	Rating , latitude , longitude , picID , pic_url , imageData , HID	picID
to/fro	Arivaltime , departuretime ,travelID , city_name	travelID city name