Food Places and Reviews

1. Akshay Kumar Meena (130050021)
2. Prince Vibek Baruah(130050034)
3. Rakshat Ranjan(130050044)

Introduction

The Aim of the project is to provide an Interface for a user to view restaurants and their details(which includes Address, Menu, Ratings, Phone Number, Cost per Person) according to localities and also to provide the facility to the users of rating a restaurant(or more) and submit their reviews for the same.
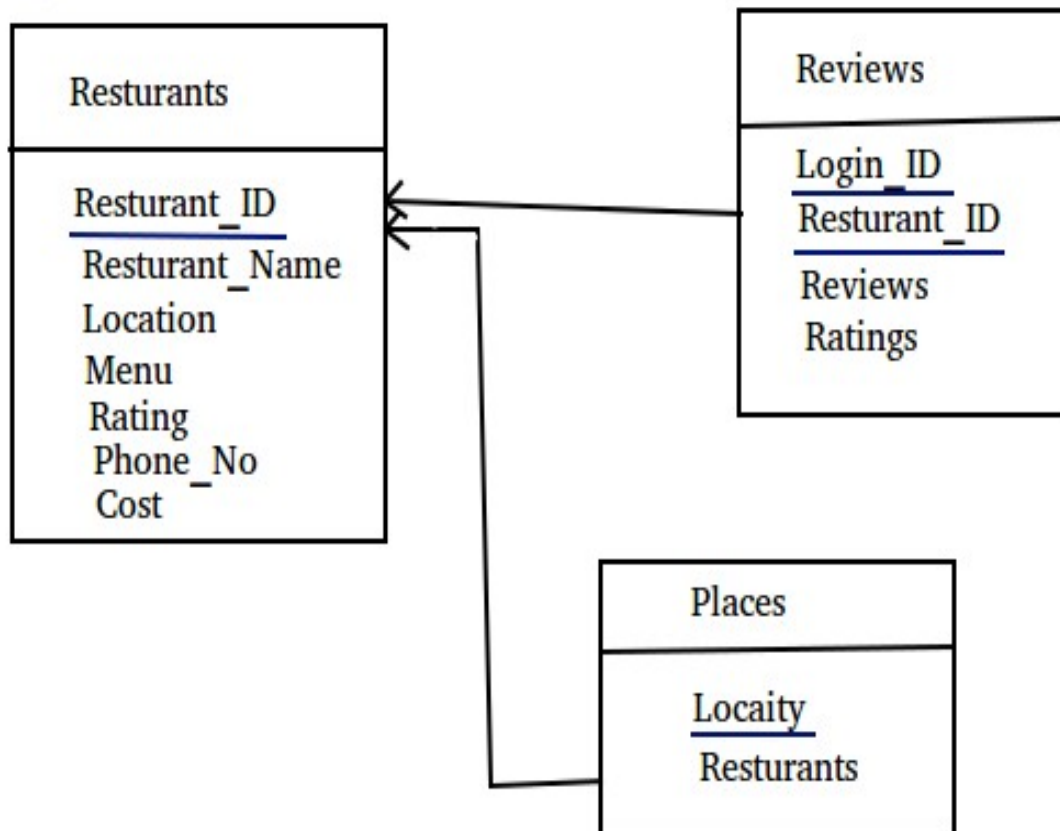
Databases used:

Locality: A table with relation containing restaurant Id's corresponding to a locality (say Powai).

Restaurant Details : Databases storing information about restaurant (entity) which includes restaurant Id's (Primary key), restaurant name, restaurant location, link of the Image of menu, Average rating, phone number, estimated cost per person.

Reviews: It stores all the reviews and ratings given by a user who give their valuable responses for a particular restaurant. It will include LoginId, restaurant Id, Review and rating.

Schema:

Resturants

Resturant_ID
Resturant_Name
Location
Menu
Rating
Phone_No
Cost

Reviews

Login_ID
Resturant_ID
Reviews
Ratings

Places

Locaity
Resturants

Interface Design:

Index Page:

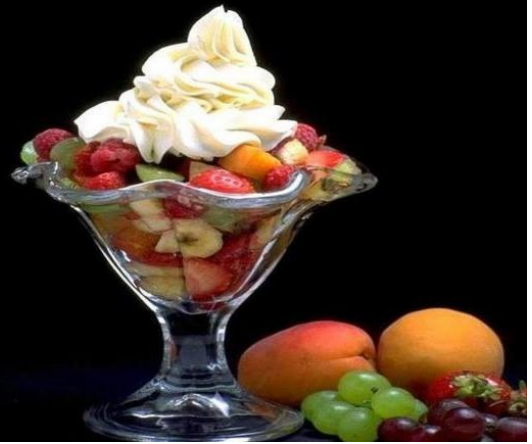The index page provides us with three options to login, create an account or login as admin.

Create an account: The user can create an account here by providing a user id and password. This data is recorded in the database.

Your account has been created

Go to login page

Login: After creating the account, the user can login using the correct username and password.

Login as admin: This allows the admin to add restaurants and its details.

After login:

Search resturants by locality (home.jsp): Here the user can search the locality for restaurants. The user selects a given locality from a drop-down menu and is then provided with a list of restaurants present in that locality.

Select any given resturant (restaurantList.jsp):Here the user can see the list of restaurants present in that locality. Also the location and ratings of a restaurant are displayed here along with it. The user can click on any restaurant to view its details.

Restaurants in Andheri East

PizzaExpress   4.00

Andheri East   1

Unit 2, B Wing, Times Square Building, Andheri Kurla Road, Marol, Andheri East, Mumbai

Click for Details

5 Spice   0.00

Andheri East   0

Mithi Nadi, Sakinaka, Andheri East, Mumbai

Click for Details

Barbeque Nation   0.00

Andheri East   0

3, Ground Floor, Tower A, Times Square, Andheri-Kurla Road, Marol, Andheri East,Mumbai

Click for Details

Mainland China   0.00

Andheri East   0

Sakinaka Junction, Andheri Kurla Road, Sakinaka, Andheri East,Mumbai

Click for Details

Details of the restaurant (restaurantDetails.jsp): This page shows the location of the restaurant as given in google maps and the menu of the restaurant is provided. Also the phone number and cost per person is shown here. The user can rate the restaurant and submit a review about that restaurant.

5 Spice

Phone Number
022 28562186

Location
Mithi Nadi, Sakinaka, Andheri East, Mumbai

Cost per Person
₹ 550.00

Submit your Review &

Rating
0.00

Rating

- ○ 1
- ○ 2
- ○ 3
- ○ 4
- ● 5

little costly but good

Submit

Menu

After Admin login:

The admin can add a restaurant to the database for the users to view it. The admin will provide all the details about the restaurant here.

Implementation details:

- At first, for every new account creation an entry is added to the database.

- At each login, the password is checked corresponding to the given restaurant by executing query.

- Then the user is allowed to login.

- To search for restaurants, when we select a locality, a query is run to find all restaurants in that locality. Next, all the location and ratings of the restaurants are fetched. Then the location of the restaurant of the restaurant is shown in the Google map.

Java classes:

Home.java:

- Contains connections to the database and also the functions for query execution

RestaurantDetail.java:

- Used to make an object to store data about each restaurant.

Servlets:

AddRestaurant.java:

- This takes response from addResaturant.jsp and calls addRestaurantDetail and addRestaurant from Home.java to add a new entry of restaurant in the tables restaurant and reviews.

ListRestaurant.java:

- This takes response from home.jsp and calls getRestaurants from Home.java and passes the response to restaurantDetails.jsp.

Reviews.java:

- This takes response from RestaurantDetails.jsp and calls addReview from Home.java to add a review and rating in reviews and restaurant tables.