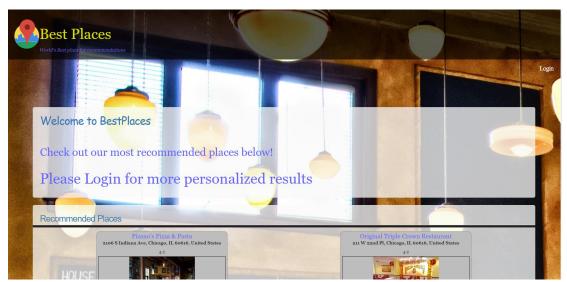
## **TEAM 30 - Social Places Recommendation**

Rangaswamy, Puneeth

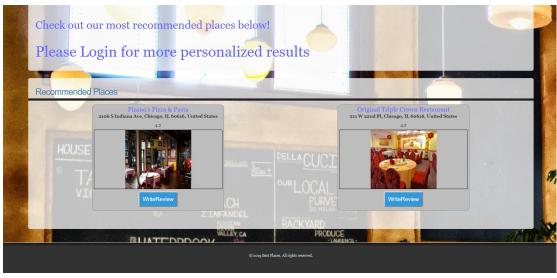
prangaswamy@hawk.iit.edu

Vasudevan, Udit Kalyanasundaram

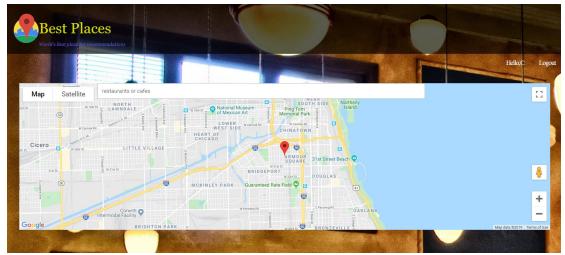
ukalyanasundaramvasu@hawk.iit.edu



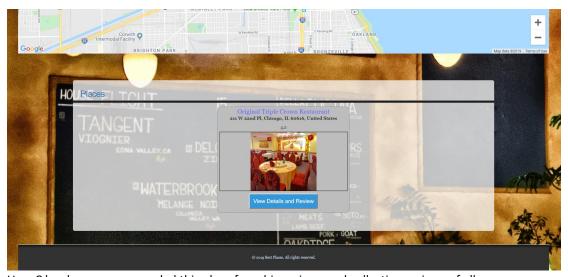
Home page asking user to login to show recommendation to individual users.



Home page shows most recommended places to all users.



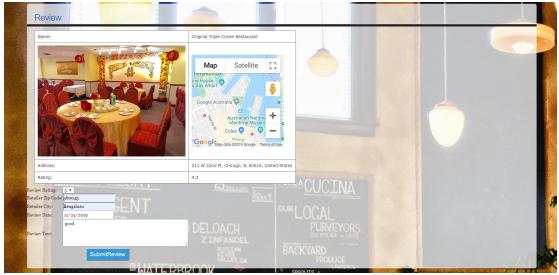
User C has logged in. Logged in page shows search bar, his current location on the map.



User C has been recommended this place from his reviews and collective reviews of all users.



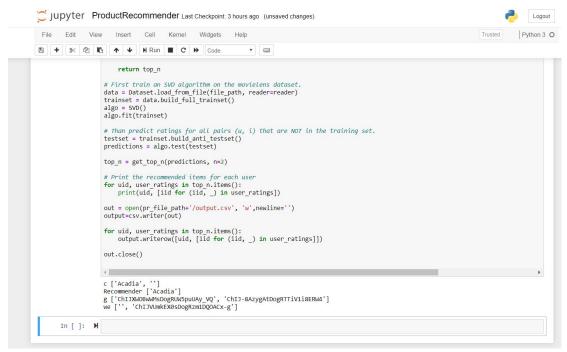
address, rating, map location of the place. It also has fields to write review.



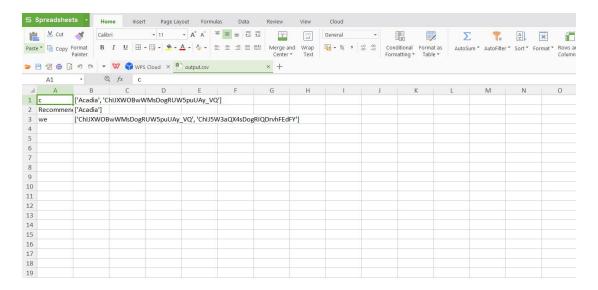
This page shows filled review by the user. The reviews are stored in MongoDB.



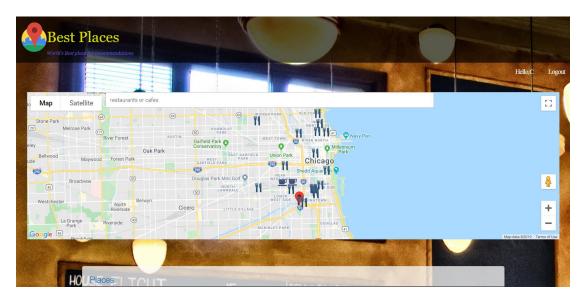
The review stored is acknowledged. Place ID is used to store the reviews.



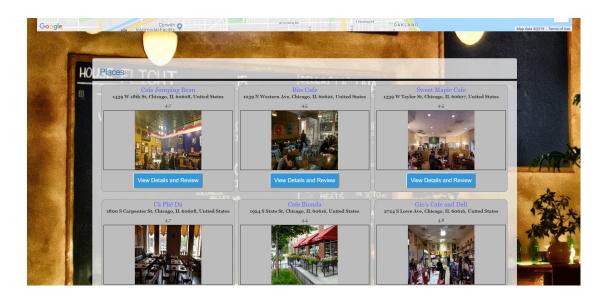
The above code is run to recommend places.

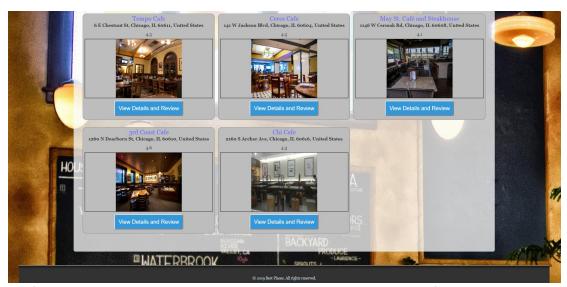


The result is written in output file, which is read from java servlets and places are recommended.



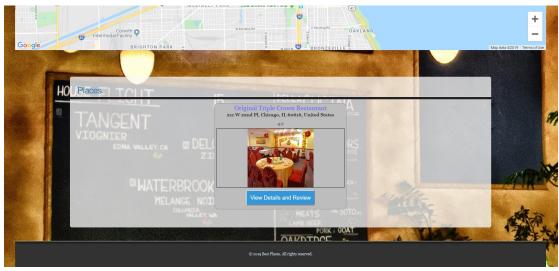
Another feature is the search of places. When a user searches for places, the places are plotted on map and search results are displayed.





The following are the search results provided to user, the results are obtained from google api and written to db and processed for recommendation using surprise package of python.

## Click based Recommendation Feature Implemented

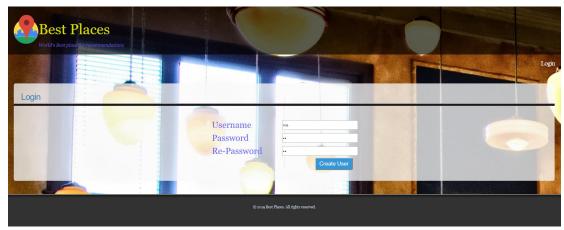


Whenever a user clicks on viewing a place, a review for that place is given. A default user increases the rating for that place.

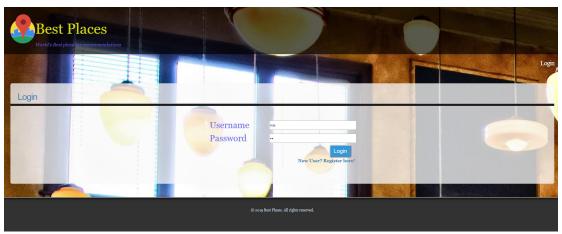


The rating given by default user is shown in this mongo database.

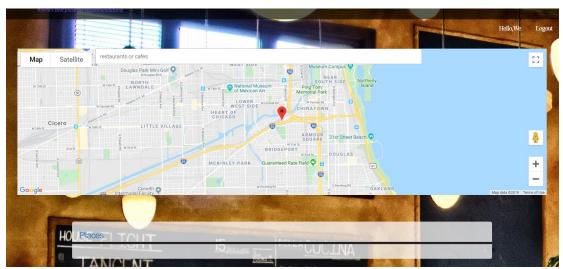
## Flow of Recommendation



A new user named we registers.



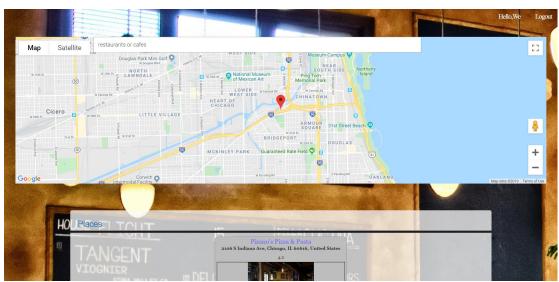
User 'we' logins



When new user logins he has no recommendation as he hasn't reviewed any place.

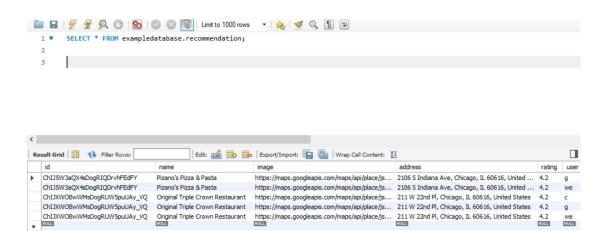


He must search a place and write review.

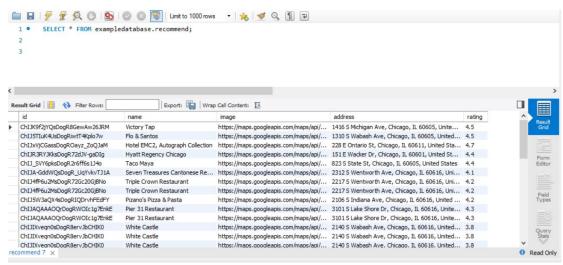


After reviewing a place and running the python code, the places are recommended.

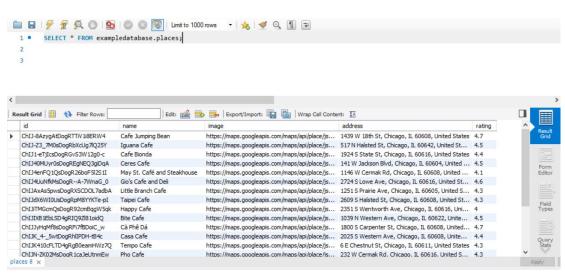
## **Databases**



The recommendation table, stores places with users obtained from running python code.



This table has the details of all places which were previously searched.



This is a dynamic table which holds the data of only the current search.