**INTEGRATED PROJECT REPORT**

**On**

**Travel Website**

Submitted in partial fulfillment of the requirement for the

Course Integrated Project (CSP3203) of

**COMPUTER SCIENCE AND ENGINEERING**

**B.E. Batch-2017**

**In**

**JUNE-2020**



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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**CHITKARA UNIVERSITY**

**PUNJAB**

**CERTIFICATE**

This is to be certified that the project entitled “Travelville” has been submitted for the Bachelor of Computer Science Engineering at Chitkara University, Punjab during the academic semester January 2016- May-2016 is a bonafide piece of project work carried out by “Pulkit (1710991610),Rachit(1710991614), Harshit(1710991303)” towards the partial fulfillment for the award of the course Integrated Project (CSP3203) under the guidance of “Mr. Arup Roy & Ms. Rabina Dutta” and supervision.

Mr. Arup Roy Ms. Rabina

(Professor C.S.E) (Professor C.S.E)

**CANDIDATE’S DECLARATION**

We, **Pulkit (1710991610), Rachit (1710991614), Harshit (1710991303)**  B.E.-2016 of the Chitkara University, Punjab hereby declare that the Integrated Project Report entitled **“TravelVille”** is an original work and data provided in the study is authentic to the best of our knowledge. This report has not been submitted to any other Institute for the award of any other course.

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**Date:**

**ACKNOWLEDGEMENT**

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We express our sincere gratitude to all for providing me an opportunity to undergo Integrated Project as the part of the curriculum.

We are thankful to “Mr. Arup Roy & Ms. Rabina” for his and her support, cooperation, and motivation provided to us during the training for constant inspiration, presence and blessings.

We also extend our sincere appreciation to ***“*Mr. Arup Roy & Ms. Rabina*”*** who provided his valuable suggestions and precious time in accomplishing our integrated project report.

Lastly, we would like to thank the almighty and our parents for their moral support and friends with whom we shared our day-to day experience and received lots of suggestions that improve our quality of work.

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**ABSTRACT**

Travelville is a travel website which implements APIs to find the most visited tourist places in any city in the world. The project is made using MEAN stack to achieve necessary requirements. The goal was to provide an easy and fast platform for travelers to guide them so that they can easily plan their vacations. In our project we are using Trip Advisor as our travel partner and once the user decides on where he/she wants to visit they will be redirected to Trip Advisor’s website to complete their booking.

**INTRODUCTION**

Planning a vacation or a trip has never been easy, you usually have to do a lot of research in order to know about the place you want to visit and even then some things go unnoticed. While you can always tell people about the availability of the hotels, there is actually no one who tells you what to do when you reach there.

We intend to create a web page that makes this much easier, it will overcome all the above-mentioned problems. We intend to cover every tiniest details possible so that the only person who has to do research is us, and not the user

To achieve this, will use the best and state of the art APIs to find the best destinations and the best hotel booking offers. Our website's UI will be so easy that even grandpas and grandmas will be able to use it with ease.

**SOFTWARE AND HARDWARE REQUIREMENT SEPCIFICATION**

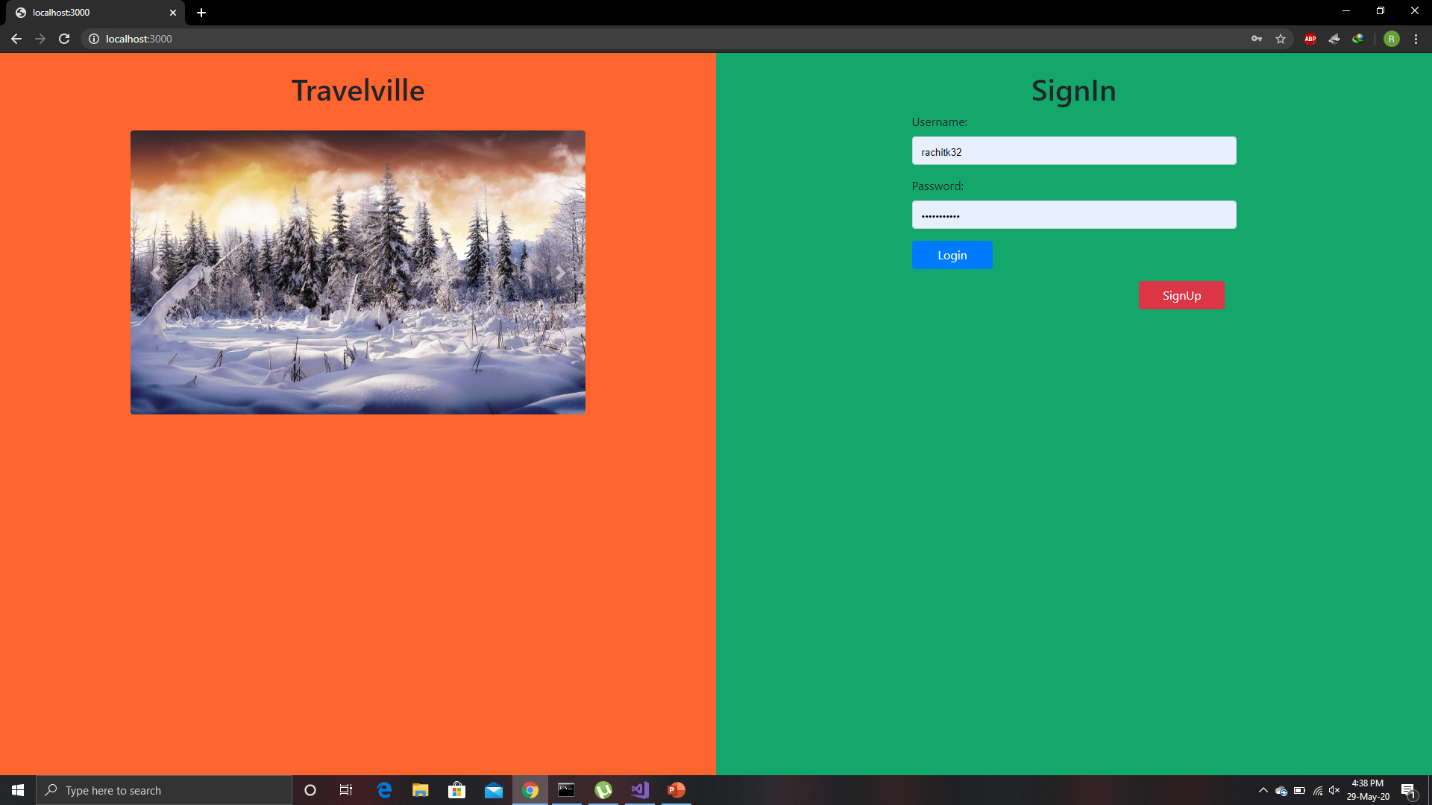
**Software Requirements**

1. Windows XP or Above/Linux /Mac
2. Node.js
   1. Modules
      1. express
      2. body parser
      3. cookie-parser
      4. bcryptjs
      5. mongoose
3. Python
4. Visual Studio Code (or any Programming Language Text Editor)

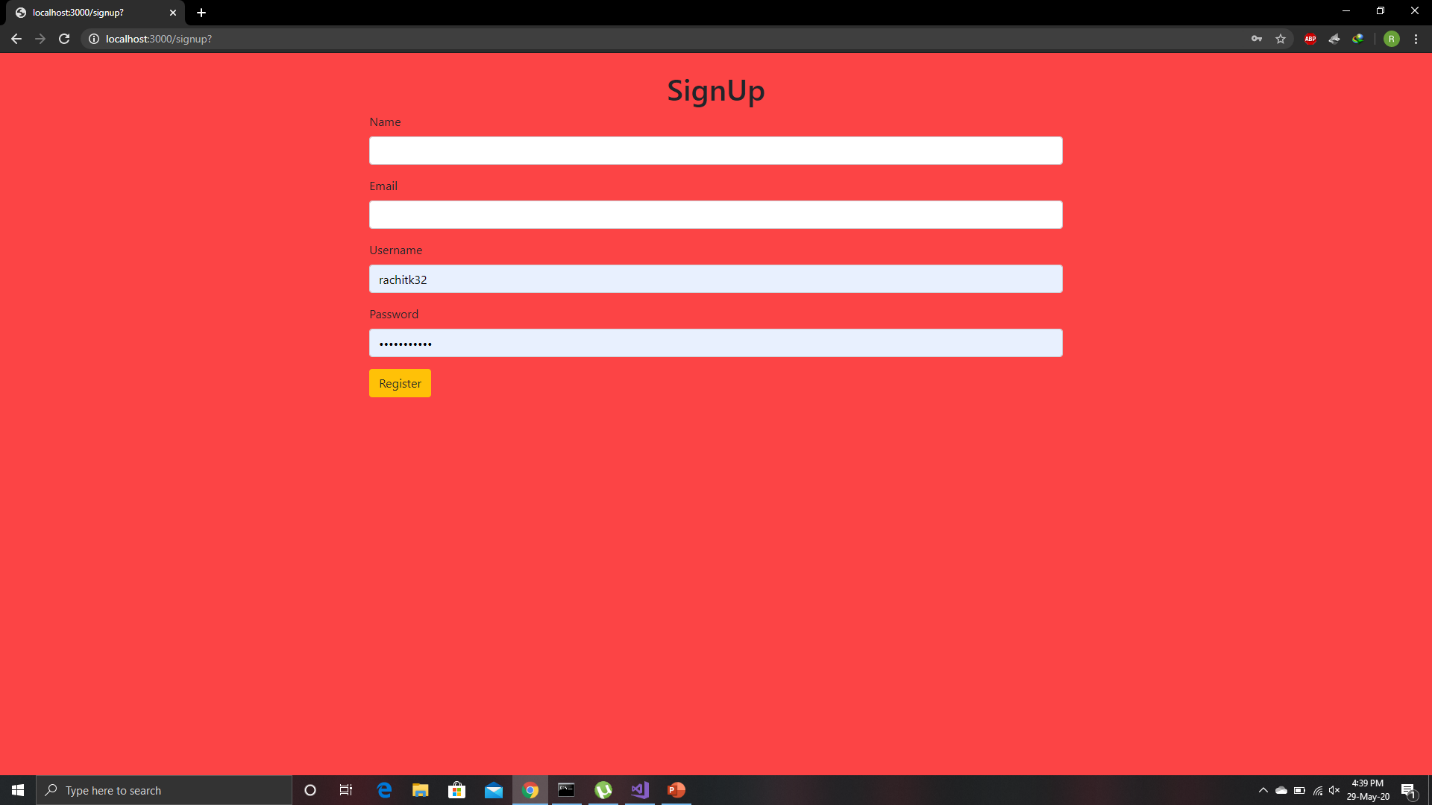
**Hardware Requirements**

1. Intel Pentium or Above
2. 1 GB RAM or Above

**Basic Login/Sign Up page**

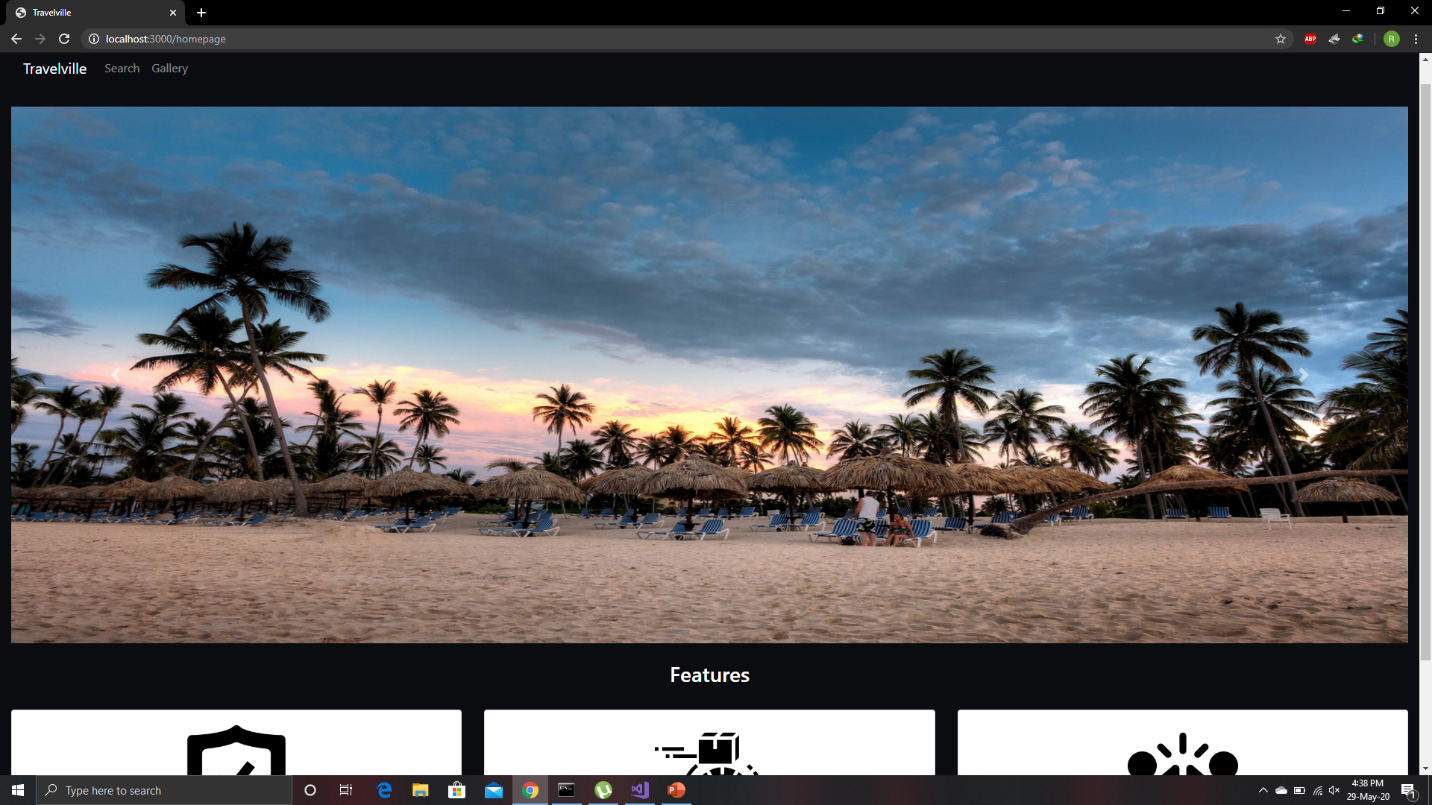


The sign-up page:



Here, the user can register for the website if he hasn’t registered already

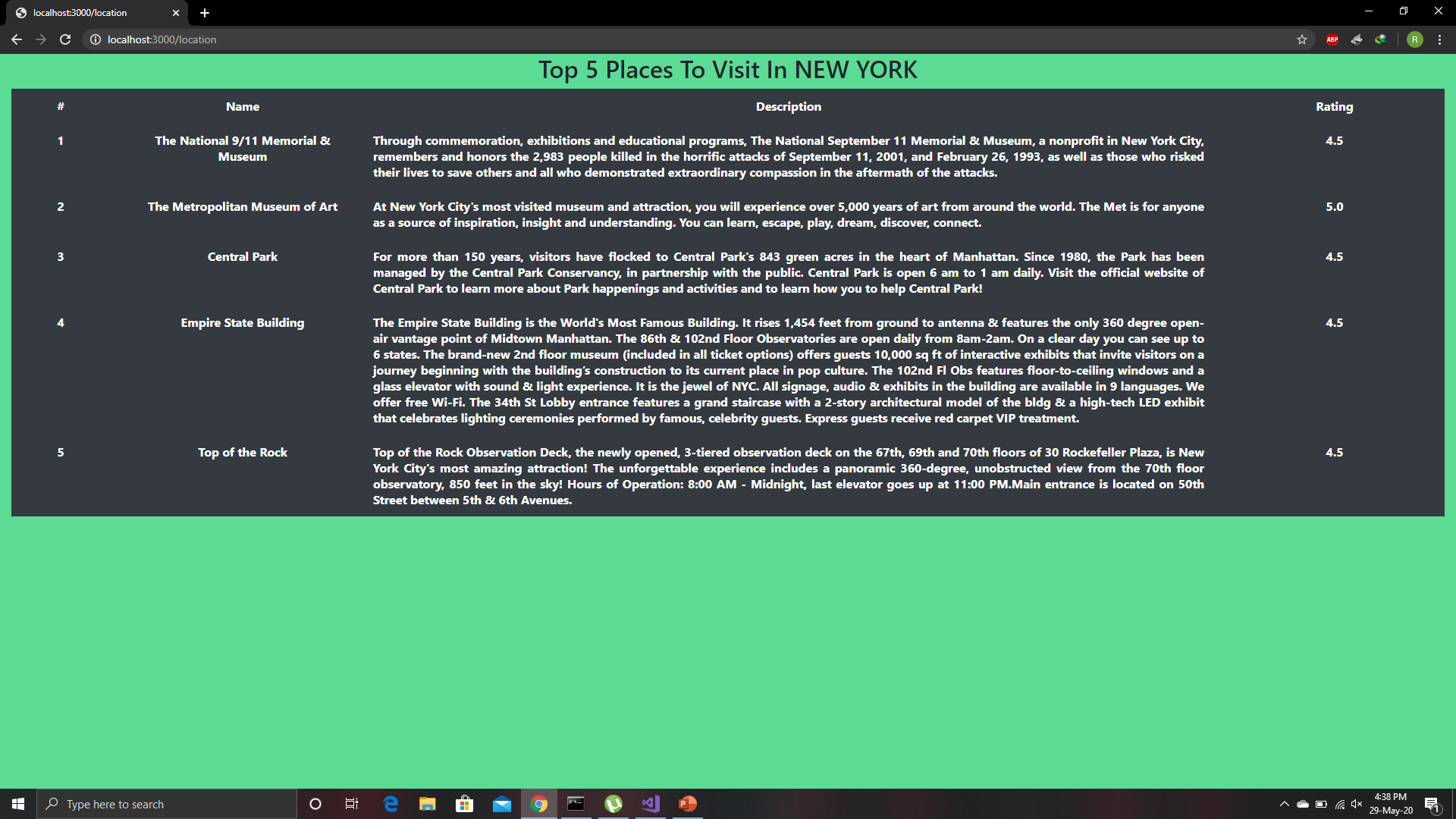
**HomePage**

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This is the homepage of the website, here the user can search for places to visit in famous cities

You can search any city and it will show the top 5 places according to the ratings and popularity

**Search Results :**

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**CODE-IMPLEMENTATION AND DATABASE CONNECTIONS**

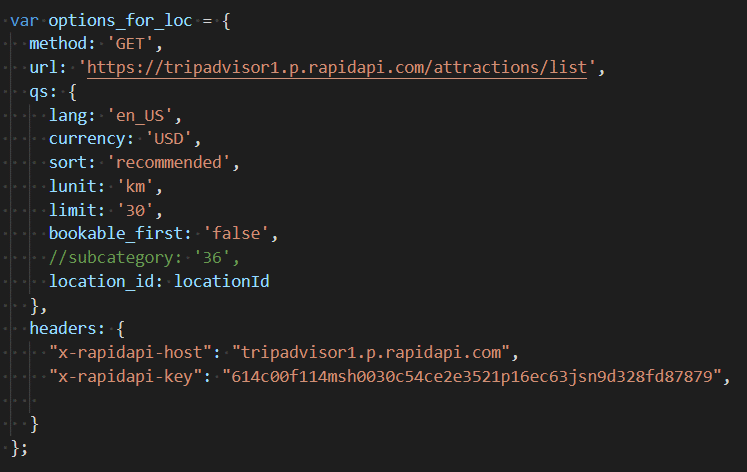
**APIs Code**

We have used Trip Advisor’s API to fetch the attractions in every city. For this we took help of RapidApi platform to provide us with the Trip Advisor API and key to access their data. Given below is an image to show the API code implementation.

1. This segment shows the code which is used to fetch the location id based on the user input i.e. city’s name.



1. This segment shows how the location id fetched above is used to get the city’s top attraction places.

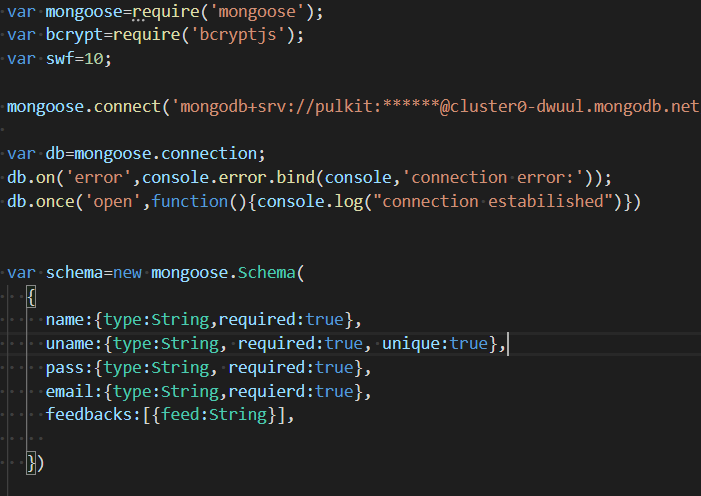


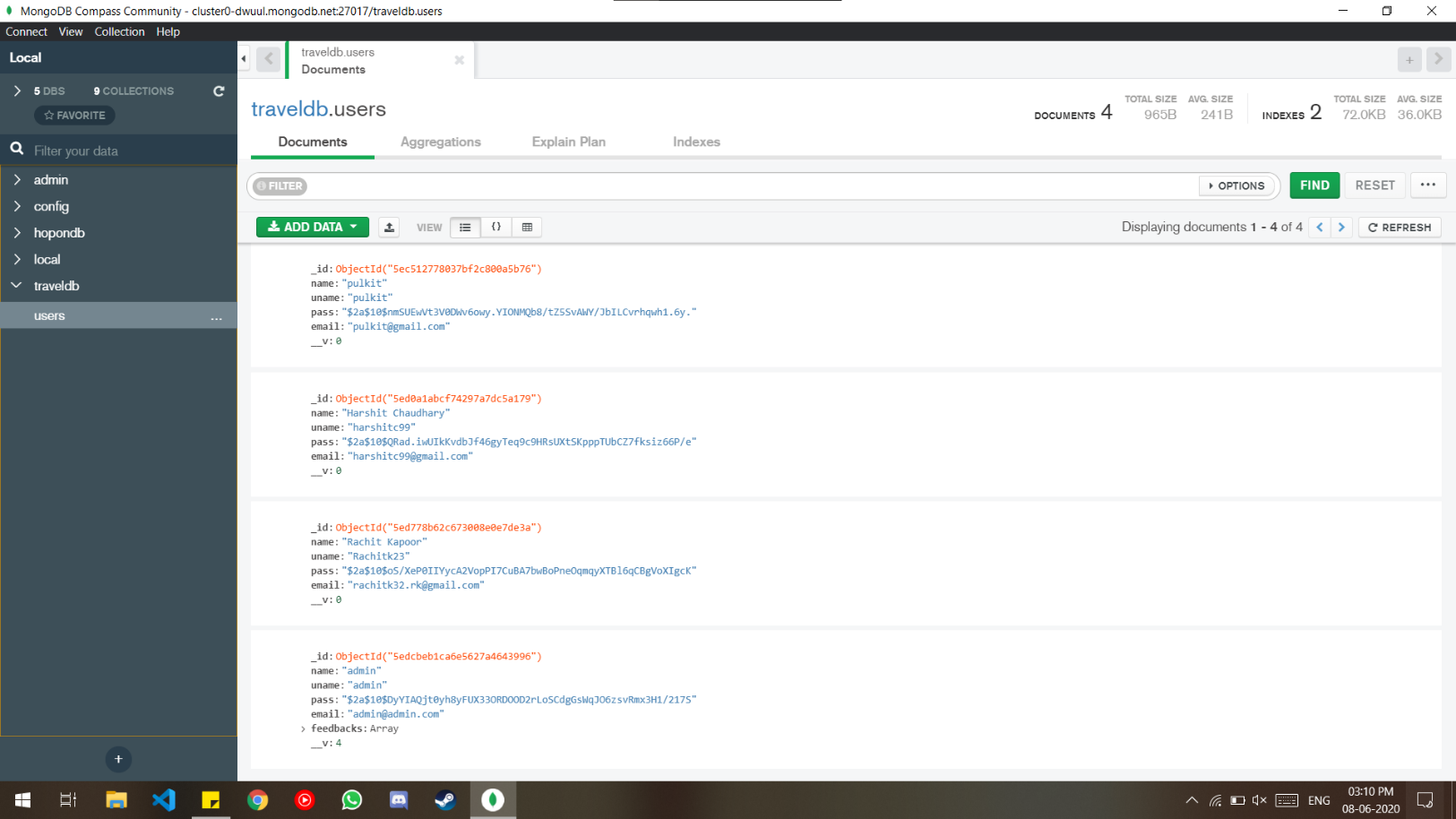
**Database Connections**

We used Mongo DB to store the user login information. Implemented with the help of mongoose framework.

Following images explain the database structure as well as their implementation.

1. This images shows the structure of user info, their data types, how they are stored and how the connection to Mongo DB is established.



1. This images shows the data stored on the database server as seen by the admin who has access to it.

**CONCLUSION**

We have successfully created a working web page with login,sign up and register basics via which you can know about the most popular places to visit in city, while interacting with innovative and simple to use UI so that you can plan your trips with ease. Happy Hiking!

**Future Scope**

In the future we hope to integrate an api with the help of which you can easily find out the current prices, availability and reviews of the hotels in the city you want to visit.

We also hope to make our UI more interactive so that even people who know only so much about technology can interact with ease.

We are also working on a better way to control sessions created by users when they login

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| 5. | https://docs.angularjs.org/guide |