MINI PROJECT-I
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Travel Companion Application

SYNOPSIS

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TABLE OF CONTENT

__INTRODUCTION__

In today's busy life , planning a vacation or even a small gathering is a hectic task to do you need to think about where to stay or which restaurant is good enough for you. Let's say you are living far from a place and you planned a vacation or a visit there. There will be hundreds if not thousands of hotels there and you don't know which one good for you with reasonable price. You will , for sure, hesitate to take such a big risk of visiting the place without making before hand plans and just arriving there without knowing where to stay. Without making before hand plans there are high chances that you will either end up spending a large sum of money or will fall into a scum trap , either of them can cause a great affect on your pocket . Same goes with the restaurants of that area . If you don't know what type of cuisine a restaurant is serving and what are the prices of the items that are offered there , you will end up spending more money than expected or may be you won't even like their cuisine. These above mentioned cases can ruin your over all fun and can land you in a bad experience. In this project we will be solving this problem while discovering the fields of JavaScript and most importantly we will see what wonders does API do.

<u>USE OF THE PROJECT</u>

These days planning a trip or vacation before handed is necessary to avoid being in the risk like loosing more money than the prepared budgetThe identification of a perfect place according to your taste is important. In this project, we will propose a model where a user can search a term and will get all the location related to that searched term, we provide high quality images of each and every restaurants with their name, number of reviews, ratings, certificates as well as the location and type of food they prepare etc. Same goes with the search of hotels around that area. Not only this, we also have attractions of the particular place to offer with their images, ratings and reviews.

<u>IDEA</u>

The main idea is to create an app where a user can get all the possible information that one could ask about the restaurants , hotels and attractions of the searched term and reducing one's time consumption and energy.

Software Specification:

- Technology Implemented : JavaScript, RapidAPI
- Language Used : React:, HTML
- Libraries : Material-UI, Google map API
- Web Browser : Chrome

Hardware Requirements:

- Processor : intel i3
- Operating System : Windows 10
- RAM : 4GB
- Hardware Devices : Computer System
- Hard disk : 256 GB

<u>FUTURE SCOPE</u>

Through the work done in this project, I will show that API and JavaScript certainly does have the capacity to pick up on sometimes subtle language patterns that may be difficult for humans to pick up on. humans to pick up on. The next steps involve in this project come in three different aspects.

I feel that more data would be beneficial in ridding the model of any bias based on specific patterns in the source. There is also question as to whether or not the size of our dataset is sufficient. The second aspect in which this project could be expanded is by comparing it to humans performing the same task. Comparing the accuracies would be beneficial in deciding whether or not the dataset is capable of providing the best results for the given searched term. If humans are more accurate than the model, it may mean that we need to work in the that direction to make the model more reliable. We expect that its accuracy will never reach perfect. However, it may be beneficial as a stand-alone application if its accuracy is already higher than human accuracy at the same task. It would be interesting to compare the professional people accuracy with the application model. Then we could quantify how similar the results are to those that professional people provide.

REFERENCES

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