Project Based Learning-II (AY 2021-22)

Batch- F-03 Sem- IV

Date- 10/05/2022

Group members (Roll no and Name):

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* Title of project: Tourist Place Recommendation Website

1. Introduction
   1. Motivation:

Travelling and roaming around is in the top of bucket list of most of the people in the world. But when it comes in real, people are not able to decide the best spots or places to visit. This was the main inspiration of this project as we wanted to help people to get the list of best places in one tap and help them plan their tour efficiently.

* 1. Objective/ Purpose:

1. Making tourist places easily searchable and accessible.
2. Showing weather conditions to make planning feasible.
3. Recommending spots according to user interest.
4. Website designed such that, anyone can use it.
5. Along with showing the location, we also help guiding the traveller to reach that spot.



* 1. Scope of Project

Scope includes project goals, tasks, cost of project, deadlines.

1. Goals:

* Making tourist places easily searchable and accessible.
* Showing weather conditions to make planning feasible.
* Recommending spots according to user interest.
* Website designed such that, anyone can use it.
* Along with showing the location, we also help guiding the traveller to reach that spot.

1. Tasks:

* Our main task firstly was making of front-end of our website.
* Next important task was making all records and maintain different modules on the website.
* Last task is of making back-end and integrate it with front-end of the website and make it as working.
* Searching for the APIs that we will require for this project.

1. Cost:

* As this is a small-scale project, we tried to use free modules and APIs.
* If we want to build a real application, it will cost more than $600.

1. Deadlines:

* As this is our PBL project so, last date of submission is our final deadline
* But we also make some deadlines during our project execution.
* We make deadline for front-end work and back-end work.
  1. Intended Audience *(who all can use your project)*:

Anyone in the world who wants suggestions for tourist place can use our application.

1. Overall Description
   1. Functional requirements *(Each function in project and its description in short)*
   2. Non-functional requirements *(such as performance safety)*
   3. Operating Environment *(Database, S/W and H/W requirement)*:
2. Database:

Firebase for hosting and Google APIs for maps.

1. Software Requirements:

* VS-Code
* NPM package installed
* Firebase installed
* Bootstrap

1. Hardware Requirements:

* Laptop
* 256 GB SSD + 1 TB HD
* 64-bit processor

1. Diagram

   Description automatically generatedFlowchart:
2. Implementation details along with screenshots
3. Search for places:

User can find result by just entering input as any location. Users have facility to enter location by

1. Accessing current location

Graphical user interface, application, website

Description automatically generated

1. Mic search(voice)
2. Graphical user interface, application, website

   Description automatically generatedGraphical user interface, application, website

   Description automatically generated

A screenshot of a computer

Description automatically generatedc) Manually entering:

1. Sharing:

By entering the location, user will get some of location as result that can be filtered by some of parameters. These results have unique URL that can be shared anyone.

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated/

1. Dark mode switching:

Considering users conveniency we have provided website in dark mode as well.

Graphical user interface, application

Description automatically generated

1. Weather forecasting:

For better planning, users can see the current and future weather condition at the place where they are planning to visit.

A screenshot of a computer

Description automatically generated

1. Images:

To impress user and to give more info about place, user can see the images of places.

A screenshot of a computer

Description automatically generated with medium confidence

1. Conclusion:

Thus, our website will help people to find their desired tourist spot easily, make their travels comfortable, hassle-free, make accessing information about any tourist spot easy and rapid, provide reliable information and help decision making easier.

1. References:
   1. [Vesperr Bootstrap Template Demo (bootstrapmade.com)](https://bootstrapmade.com/demo/Vesperr/)
   2. [Bootstrap · The most popular HTML, CSS, and JS library in the world. (getbootstrap.com)](https://getbootstrap.com/)
   3. [MapmyIndia - India’s best maps | Bringing deep tech to Maps, Location Intelligence & IoT](https://www.mapmyindia.com/)
   4. [Сurrent weather and forecast - OpenWeatherMap](https://openweathermap.org/)