
Project Topic: Memories Mirror

Project Group Members:

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Introduction:

I am going to build a web application pertaining where users can save their memories of their trips. My website will be built using web languages and frameworks. It will provide an interface to the users that provide them to easily save their precious moments in card format.

In this application, every user can see other user's memories that allow other users to know more about different places and get correct feedbacks about these places. Users can also like each other posts and also able to see the date of creation.

I am going to use React that is best library for UI development for the frontend part and NodeJS, ExpressJs for the backend part. For database, I am going to use MongoDB that is document-oriented database and stores data in BSON (JSON) format.










Problem Statement:

There are many websites on the internet which provide the users to save their memories in different forms on all over the internet but my idea is to create a web application through which users can share their thought about places freely that will help others users to know about different places more precisely.

Objective:

The aim of my project is to target thousands of users to use and engage with my web application. I have decided to work on this project because most of the people do not get correct feedback about the places they want to visit but through this application they will get correct feedback about the places by the users who will share their memories in this application.

Working Methodology:

TASKS	Duration (1, Apr 2021 to 10, May 2021)	
	April	May
Understanding Problem		
Topic Finalization		
Project Synopsis		
Mockup + Review		
Learning React and other frameworks		
Content Creation		
Model Implementing		
Testing and Review		
Launch		

Tools Required:

1. Hardware Requirements:

- a. Personal Computer with minimum of 4GB RAM and core i3 Processor.

2. Software Requirements:

- a. Windows Operating System.
- b. Integrated Development Environment (IDE) - Visual Studio Code 1.47
- c. GitHub Desktop 2.5.3

3. Language and Framework Requirements:

- a. React
- b. Bootstrap 4 / 5
- c. JavaScript
- d. JQuery
- e. NodeJS
- f. ExpressJs
- g. MongoDB
- h. CSS

Limitations of the Technologies and Resources Used:

Limitations of Ccss -

- ❑ CSS cannot calculate quantities or store variables. This means it cannot store commonly used parameters in one location that is easy to update.
- ❑ CSS cannot generate text (page numbers, etc.)

Limitations of Bootstrap -

- ❑ There will be a requirement of lots of style overrides or rewriting files that can thus lead to a lot of time spent on designing and coding.
- ❑ We would have to go the extra mile while creating a design otherwise all the websites will look the same if you don't do heavy customization

Limitation of React -

- ❑ Poor Documentation.
- ❑ ReactJs covers only the UI layers of the app and nothing else.
- ❑ JSX is a barrier.

Limitation of MongoDB -

- ❑ It uses high memory for data storage.
- ❑ There is a limit for document size.
- ❑ There is no transaction support in MongoDB.

Limitations of JavaScript -

- ❑ Client-side JavaScript does not allow the reading or writing of files. It has been kept for security reasons.
- ❑ The browser interprets JavaScript differently in different browsers.

Limitations with resources which are like:

- a. Individuals have their personal computer so that they can work on their project .
- b. Personal computer should have a minimum of 4GB RAM and core i3 processor.
- c. A person should have internet access with high bandwidth and low latency.

Online Git Repository:

Memories Mirror App

https://github.com/kshitijgupta468035/memories_app

Conclusion:

It will be a wonderful and learning experience for me while working on this project. I decided to work on this project because I want to create a app where people from all over the place can share their precious memories with others.

I am trying to make a good interactive User Interface (UI) so that the user will not face any difficulties while using. The joy of work and thrill involved while tackling the various problems and challenges will give me the feel of the developer industry.

References:

<https://devdocs.io/>

<https://www.beta-labs.in/>

<https://www.w3schools.com/default.asp>

<https://stackoverflow.com/>

<https://www.youtube.com/>

I am going to use these resources as a reference to build our project. These all resources are good e-learning platforms and give me a lot of information about the applications I am going to make in my web application.

Signature of Project Guide: _____