MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

Project Report

on

Memories App

Submitted By:

Ayush Daharia

0901CS191027

Faculty Mentor:

Dr. R. R. Singh Makhwana

Assistant Professor, Computer Science and Engineering

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE
GWALIOR - 474005 (MP) est. 1957

MAY-JUNE 2022

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A project report submitted in partial fulfillment of the requirement for the degree of

BACHELOR OF TECHNOLOGY

in

COMPUTER SCIENCE AND ENGINEERING

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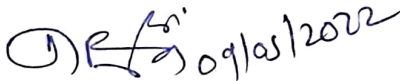
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MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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CERTIFICATE

This is certified that **Ayush Daharia** (0901CS191027) has submitted the project report **Memories App** under the mentorship of **Dr. R. R. Singh Makhwana, Assistant Professor, Computer Science and Engineering,** in partial fulfilment of the requirement for the award of degree of Bachelor of Technology in Computer Science and Engineering from Madhav Institute of Technology and Science, Gwalior.

09/05/2022

Dr. R. R. Singh Makhwana

Faculty Mentor
Assistant Professor
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Dr Manish Dixit

Professor and Head
Computer Science and Engineering

Dr. Manish Dixit
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I

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
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DECLARATION

I hereby declare that the work being presented in this project report, for the partial fulfilment of requirement for the award of the degree of Bachelor of Technology in Computer Science and Engineering at Madhav Institute of Technology & Science, Gwalior is an authenticated and original record of my work under the mentorship of **Dr. R. R. Singh Makhwana, Assistant Professor,** Computer Science and Engineering.

I declare that I have not submitted the matter embodied in this report for the award of any degree or diploma anywhere else.

Ayush

Ayush Daharia
0901CS191027
3rd Year
Computer Science and Engineering

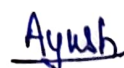**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**
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ACKNOWLEDGEMENT

The full semester project has proved to be pivotal to my career. I am thankful to my institute, **Madhav Institute of Technology and Science** to allow me to continue my disciplinary/interdisciplinary project as a curriculum requirement, under the provisions of the Flexible Curriculum Scheme (based on the AICTE Model Curriculum 2018), approved by the Academic Council of the institute. I extend my gratitude to the Director of the institute, **Dr. R. K. Pandit** and Dean Academics, **Dr. Manjaree Pandit** for this.

I would sincerely like to thank my department, **Department of Computer Science and Engineering, for allowing** me to explore this project. I humbly thank **Dr. Manish Dixit**, Professor and Head, Department of Computer Science and Engineering, for his continued support during the course of this engagement, which eased the process and formalities involved.

I am sincerely thankful to my faculty mentors. I am grateful to the guidance of **Dr. R. R. Singh Makhwana,**

Assistant Professor, Computer Science and Engineering, for his continued support and guidance throughout the project. I am also very thankful to the faculty and staff of the department.

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ABSTRACT

Most social media platforms such as Facebook, Twitter Instagram enable us to share content in a status-update fashion. This gives us up-to-date information about our friends and family informing us on what is going on with their lives. However, there are two major problems with this format. First, status-update streams come in from different sources, all of which compete for user attention. Users may find it challenging to stay on top of a particular event. Also, status updates usually come in as separate pieces of information, which users may find it difficult to differentiate their relevance and/or importance. Both of these problems cause fragmentation of the narrative, and ultimately the bigger picture of the story gets lost. This makes the Internet a one-way street. People push their precious memories to the Internet with the goal of sharing them with people, but there is no simple way to retrieve the memories back again. These two problems are partly introduced by social media platforms because they are designed around individuals. While most memories are experienced with our family and friends, the mediums that these memories are shared on focus on the person not the event. The solution we envision, is to flip the paradigm on its head; a social network with events in its centre and individuals feeding into it, instead of an individual feeding out their own memories.

Keyword: moment, memory, sharing, nostalgia

सार

अधिकांश सोशल मीडिया प्लेटफॉर्म जैसे कि फेसबुक, ट्विटर हमें स्टेटस-अपडेट फैशन में सामग्री साझा करने में सक्षम बनाता है। यह हमें हमारे दोस्तों और परिवार के बारे में अप-टू-डेट जानकारी देता है जो हमें सूचित करता है कि उनके जीवन के साथ क्या हो रहा है। हालांकि, इस प्रारूप के साथ दो प्रमुख समस्याएं हैं। सबसे पहले, स्टेटस-अपडेट स्ट्रीम विभिन्न स्रोतों से आती हैं, जिनमें से सभी उपयोगकर्ता के ध्यान के लिए प्रतिस्पर्धा करते हैं। उपयोगकर्ताओं को किसी विशेष घटना के शीर्ष पर बने रहना चुनौतीपूर्ण हो सकता है। साथ ही, स्थिति अपडेट आमतौर पर अलग-अलग जानकारी के रूप में आते हैं, जिससे उपयोगकर्ताओं को उनकी प्रासंगिकता और/या महत्व में अंतर करना मुश्किल हो सकता है। इन दोनों समस्याओं के कारण कथा का विखंडन होता है, और अंततः कहानी की बड़ी तस्वीर खो जाती है। यह इंटरनेट को वन-वे स्ट्रीट बनाता है। लोग अपनी कीमती यादों को लोगों के साथ साझा करने के लक्ष्य के साथ इंटरनेट पर धकेलते हैं, लेकिन यादों को फिर से वापस लाने का कोई आसान तरीका नहीं है। इन दो समस्याओं को आंशिक रूप से सोशल मीडिया प्लेटफॉर्म द्वारा पेश किया गया है क्योंकि वे व्यक्तियों के आसपास डिज़ाइन किए गए हैं। जबकि अधिकांश यादें हमारे परिवार और दोस्तों के साथ अनुभव की जाती हैं, इन यादों को उस व्यक्ति पर ध्यान केंद्रित करने के माध्यम से साझा किया जाता है, न कि घटना पर। हम जिस समाधान की कल्पना करते हैं, वह है प्रतिमान को उसके सिर पर पलटना; एक सामाजिक नेटवर्क जिसके केंद्र में घटनाएं होती हैं और व्यक्ति अपनी यादों को खिलाने के बजाय उसमें खिलाते हैं।

कीवर्ड: पल, स्मृति, साझाकरण, पुरानी यादों

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Chapter 1: Project Overview

1.1 Introduction and Objective

An event-centric social network called Memories App. Memories App consists of a mobile application, which would sit in between users and social media platforms to record interesting moments based on events, and a web application that could potentially pull users updates from various social platforms and auto classify them into relevant events. I believe Memory App enhances users experience for memory preservation. On one hand, precious moments in our lives are kept in a digital format where they are easily accessible through different devices; on the other, social interactions for a particular event is enhanced by sharing, thus making memory preservation easier and more fun.

1.2 Project Features

This Memory App is simple social media app that allows users to post interesting events that happened in their lives some of the Key features are:

- Create a post (Creator, title of the post, description or message, tags, pictures).
- Edit a post.
- Delete a post.
- Like And Comment a post.
- User Authentication:
    1. Google OAuth Authentication
    2. Email Login with Json Web Token (JWS)
- Pagination.
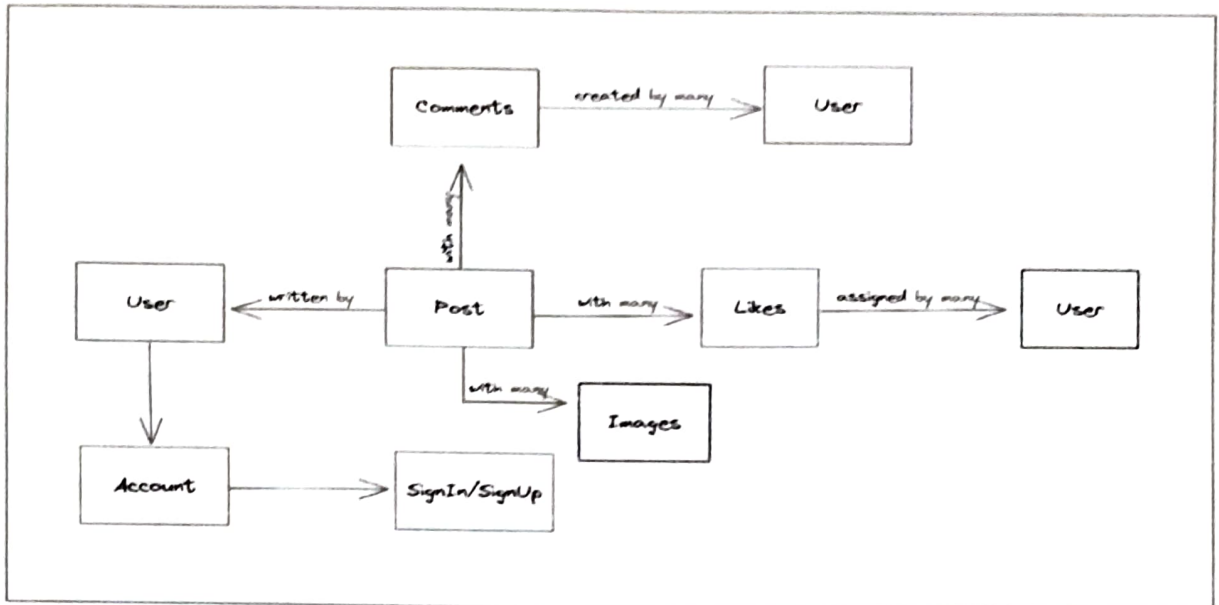- Searching a Post using Tags or Keywords

1.3 Technologies Used in Memories App

I have developed this project using following technologies:

- React.js (For Frontend)
- Node.js (For Backend)
- Express (For creating server-side application faster)
- MongoDB (For storing and fetching)

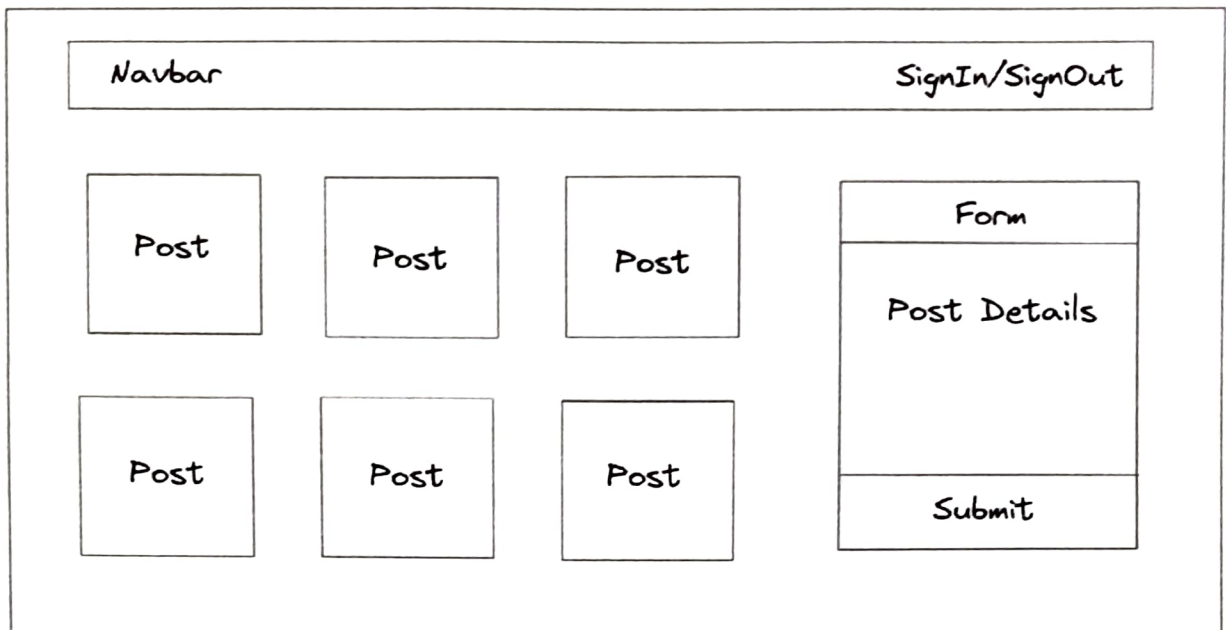# Chapter 2: Preliminary design

2.1 Basic Data Flow Diagram:

Figure 2.1: Data Flow Diagram

This data flow diagram shows how this application works.

- User can create a account.
- User can create a post.
- Can see other user's post and can like or comment.
- User can also search and post using tags or post's title.

2.2 Initial Design:

Figure 2.2 Initial Design

Initial I created a basic design of my web application, further while making I also added the pagination and search option.

Chapter 3: Final Analysis and Design

3.1 Final Application UI/UX

3.1.1 Home Page:

This is the home page or landing page of this application first user has to sign in, if don't have and existing account user can create one.
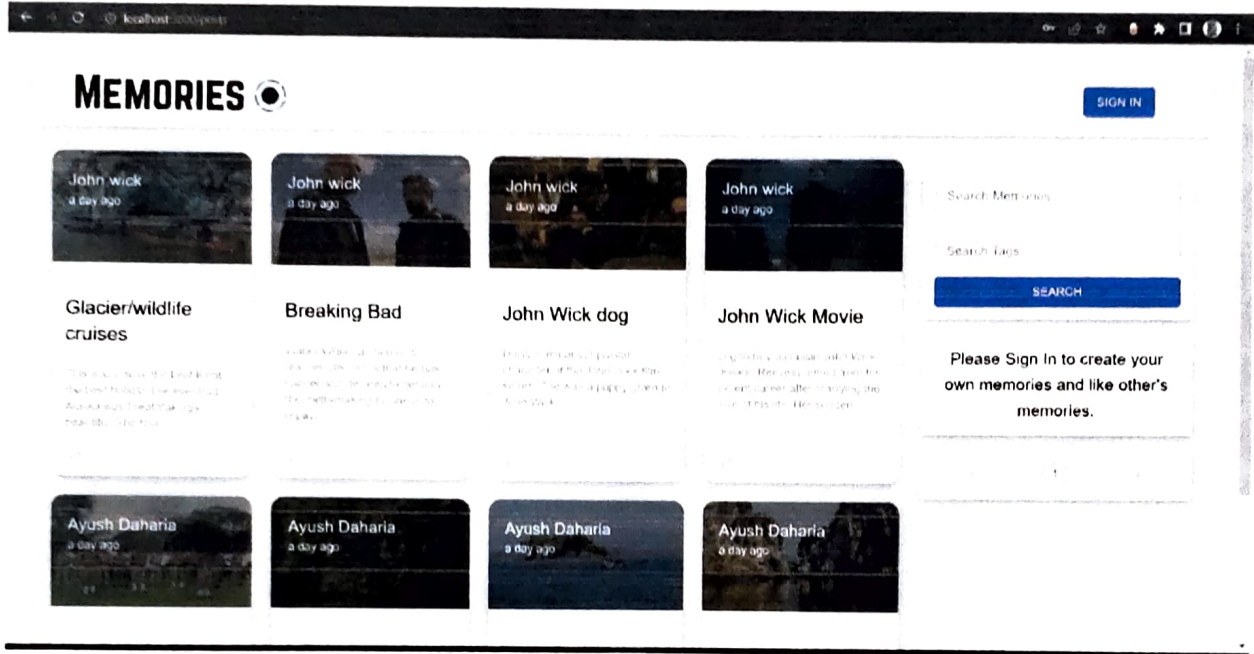

Figure 3.1.1 Home Page

3.1.2 Account Sign-in / Sign-Up:

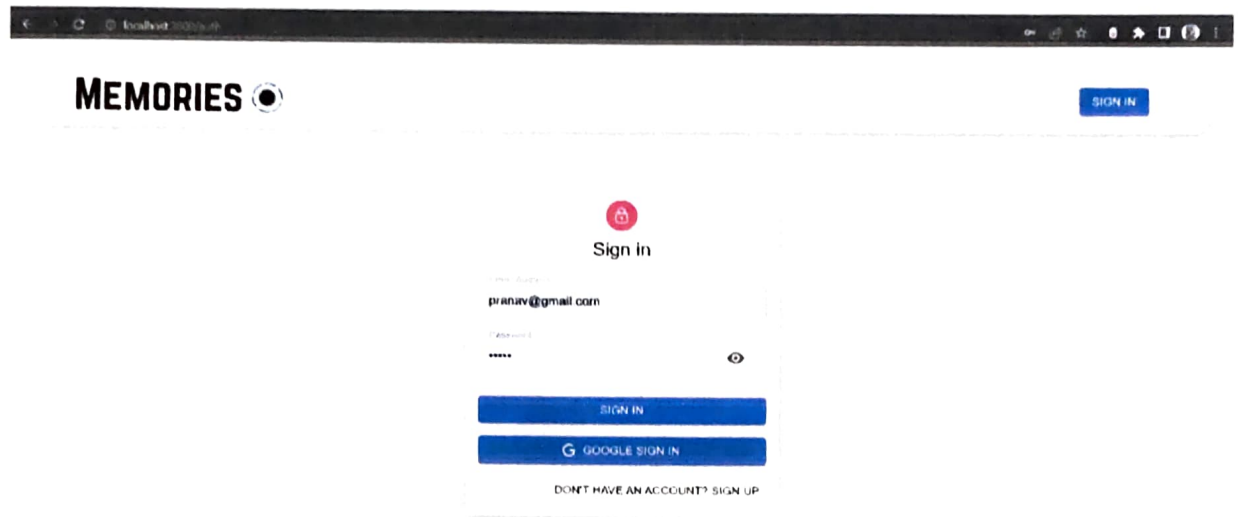User can create an account using sign-up with google or and manually create an account.

Figure 3.2.2 Account Sign-in / Sign-Up

3.1.3 Post Details:

After sign-in user can create a new post or can see the existing posts. Also we have like and comment option for every post.
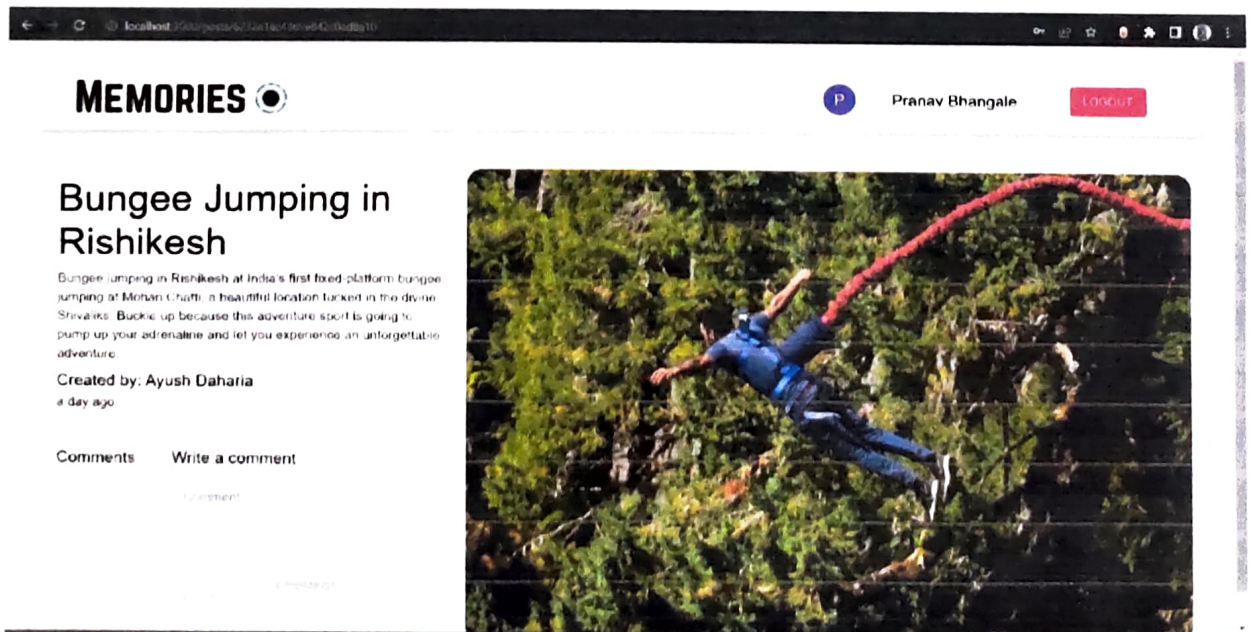

Figure 3.1.3 Post Details

Chapter 4: Conclusion & Future Work

4.1 Conclusion:

Overall, the effort and learning I gained from working on Memories App provided a very solid groundwork for future endeavour in the fields of UI design, user experience, and data analytics. And I am hoping that I could take it to the next step.

4.2 Future Work:

Once the technology is set in place, and the product is launched, Memories App can go many places. For example business partnerships with entertainers, musicians, and sport franchises might be a viable option. Also, printing events in albums, posters, and other materials might also be very lucrative. In any case, I am very excited about the different possibilities that Memories App has, and looking forward to work/see where it goes.

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For Problem: https://stackoverflow.com/questions/43964539/google-api-not-a-valid-origin-for-the-client-url-has-not-been-whitelisted-for