Social Media App

Bhagya S[1] and Prof. Miriam Thomas[2]

IV Semester, MCA[1]

Assistant Professor, Department of Computer Applications[2]

Sree Narayana Institute of Technology, Kollam, Kerala, India

Abstract: *"Social media app" website is a project that presents a web application for users to browse, and contribute their own messages The app offers a range of features to enable users to interact with each other and share various forms of content. Users can create personalized profiles, post multimedia content such as photos and videos, and engage in discussions through comments and likes. Additionally, the app incorporates messaging capabilities, allowing users to communicate privately or in groups and public charity. The website may utilize various technologies and frameworks, such as React, HTML, CSS, JavaScript, and server-side languages, to create a seamless and engaging user experience*

Keywords: HTML, CSS, JavaScript

I. INTRODUCTION

"Social media app" provides a dynamic platform for individuals to express themselves, build communities, and stay connected with their friends, family, and the wider world. With its user-friendly interface, cutting-edge features, and a commitment to user privacy and security, It is set to redefine the social media landscape. social media app website is a project that presents a web application for users to browse, and contribute their own messages The app offers a range of features to enable users to interact with each other and share various forms of content. Users can create personalized profiles, post multimedia content such as photos and videos, and engage in discussions through comments and likes. Additionally, the app incorporates messaging capabilities, allowing users to communicate privately or in groups and public charity.

There are mainly four modules:

- Admin
- User
- Group
- Public Charity

In this paper, we have 4 logins such as for admin, user, group, public charity. The admin has the overall control of the system. Admin can view/delete post, charity. The user is the other module of the project. The user can add, delete and view post, like and comments the post, chat with their friends, donate charity. The group is another module they can add ,edit group and chat with friends. The public charity is another module of the project. The public charity can login in to the website. It provides charity for donates fund for peoples. It uses react as front end, Node.js & Express.js as backend and MongoDB as database. And also, it provides accuracy, reliability, ease of access and data security.

II. METHODOLOGY

Project Planning and Requirements Gathering: Define the objectives, features, and target audience of the website. Gather all the functional and non-functional requirements. Database Design: Design the database schema using MongoDB to store recipe data, such as recipe name, ingredients, instructions, images, etc. Backend Development with Node.js and Express.js: Implement the server-side logic to handle user requests, authentication, and interactions with the MongoDB database. API Development: Create RESTful APIs to handle CRUD operations (Create, Read, Update, Delete) for recipes and user-related actions. User Authentication and Authorization: Implement user authentication and authorization using tools like JSON Web Tokens (JWT) to secure the API endpoints and manage user sessions. Frontend Development with React.js: Build the user interface for the website, allowing users to browse, search, and submit recipes. User Interface Design: Design an intuitive and visually appealing user interface with responsive layouts, making it accessible across different devices. User Interaction and Social Features: Allow users to comment recipes.

Implement features to create user profiles and save favorite recipes. Testing: Perform unit testing, integration testing, and user testing to ensure the website functions correctly and meets the requirements. Security Considerations: Ensure data security by validating user inputs, sanitizing data, and protecting against common web vulnerabilities. Community and Feedback: Encourage user engagement, feedback, and community building to enhance the website's growth and content quality.

III. EXISTING AND PROPOSED SYSTEMS

The existing system of a social media app project refers to the currently implemented features, functionalities, and infrastructure of the app. It encompasses the technology stack, user interface, and the core components that make up the app.

The proposed system for a social media app project aims to create a user-friendly and innovative platform that encourages meaningful social interactions and caters to the evolving needs of users.

Limitations of the Existing System
- Lack of variety
- Limited user feedback
- Limited accessibility
- To overcome the drawbacks on the existing system a new system has to be implemented. In the proposed system,

Advantages and Features of the Proposed System
- Simple design
- Easy to operate
- User friendly
- Reliable & Secure

IV. BACKGROUND

Technologies used in this Project:

The MERN stack is a popular combination of technologies used to build web applications. MERN stands for MongoDB, Express.js, React.js, and Node.js. Each component of the stack has a specific role to play in the web application development process. MongoDB is a NoSQL database that is used to store and manage the application data.Express.js is a server-side framework for Node.js that helps in building RESTful APIs and handling HTTP requests.React.js is a front-end framework used for building user interfaces. Node.js is a server-side JavaScript runtime used to build scalable and high-performance applications.
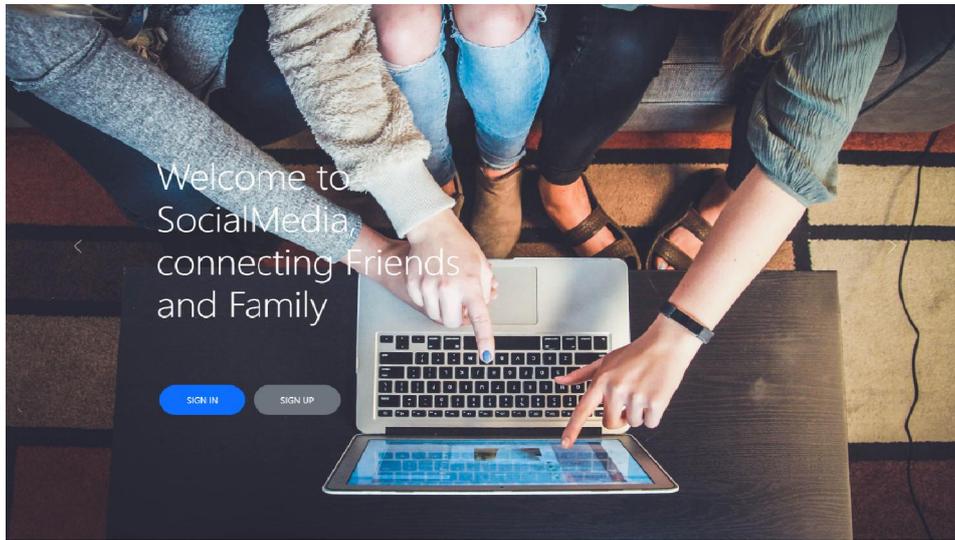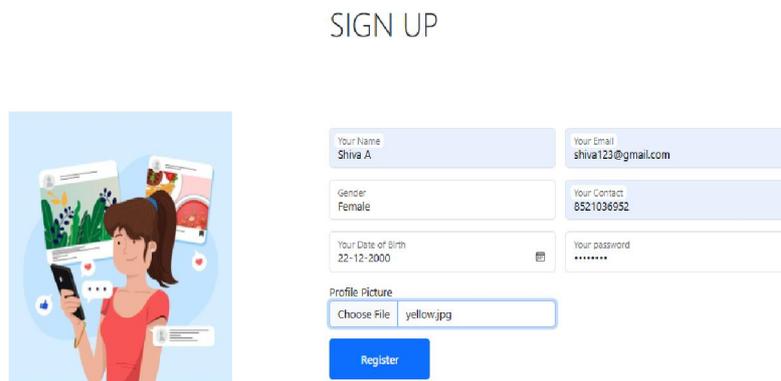
V. RESULTS AND DISCUSSIONS

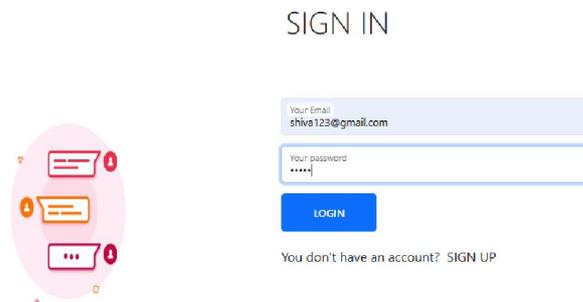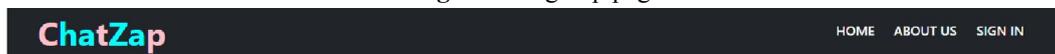**Figure 1:** Home Page

Figure 2: Sign up page
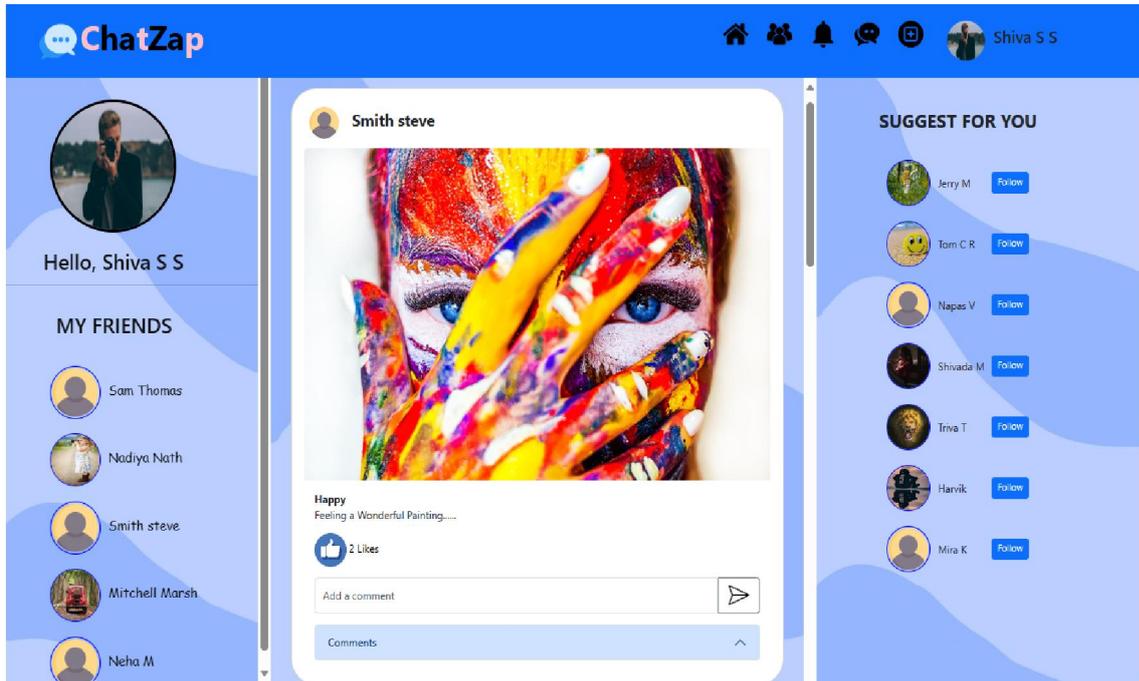

Figure 3: Sign in page

Figure 4:User page

VI. CONCLUSION

The social media app project has been a significant undertaking, and we are pleased with the outcomes achieved. Our primary goal was to create a user-friendly platform that encourages engagement and fosters meaningful connections among users. We are proud to say that we have successfully accomplished this objective. Throughout the project, we prioritized user feedback and actively incorporated suggestions to improve the app's functionality and design. This iterative approach allowed us to create an intuitive user interface that received positive feedback from our users. The app's responsiveness, speed, and reliability were also commendable, providing a seamless experience for our growing user base.

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