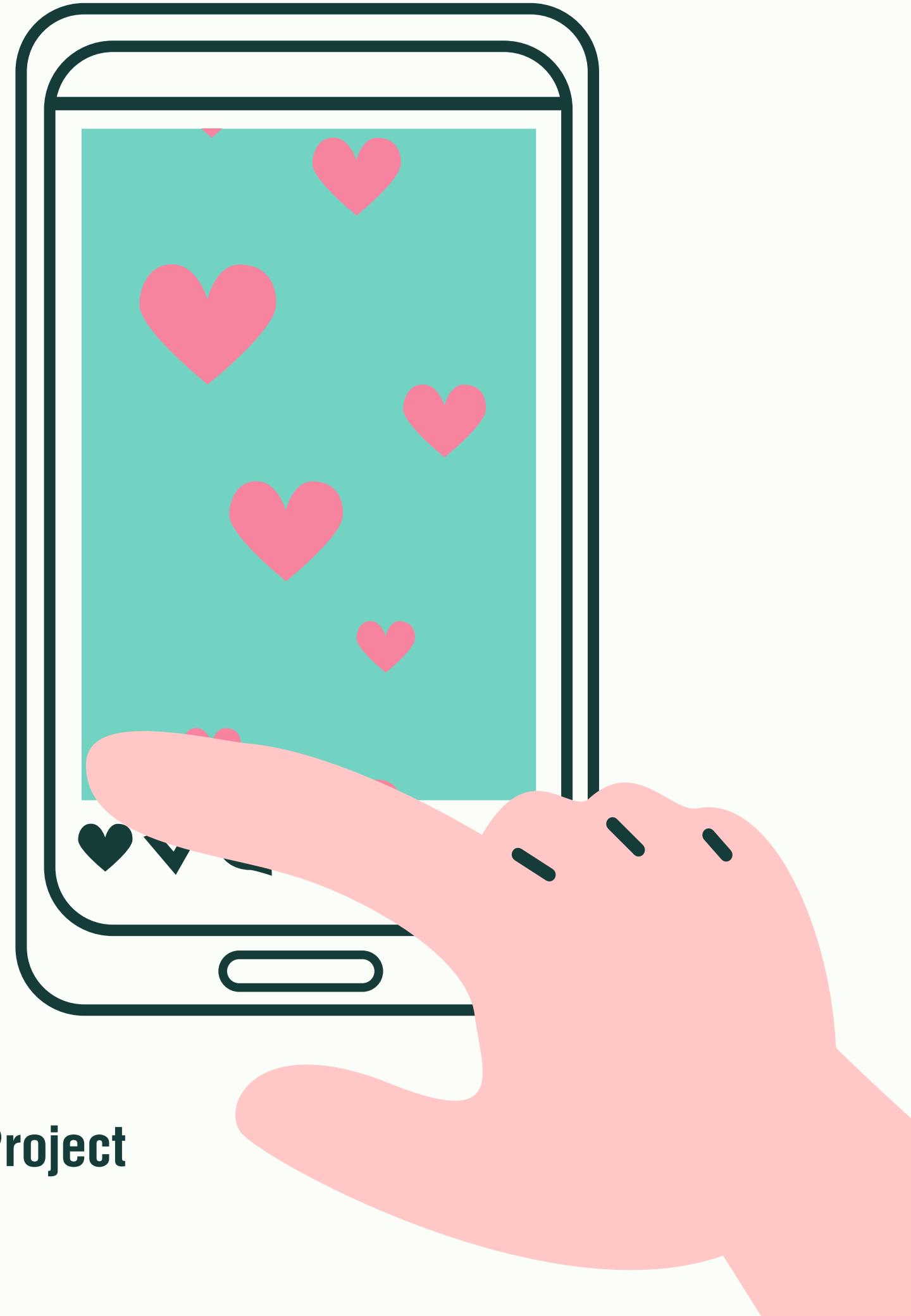
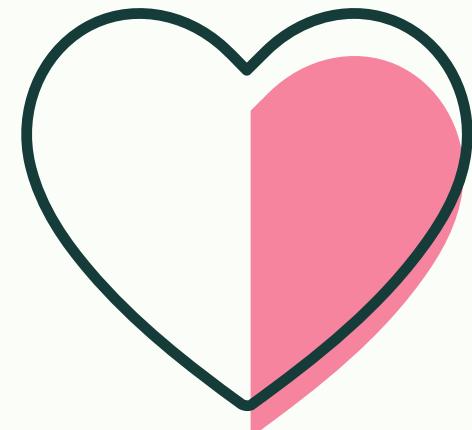
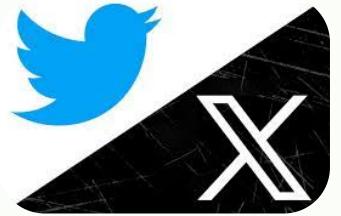
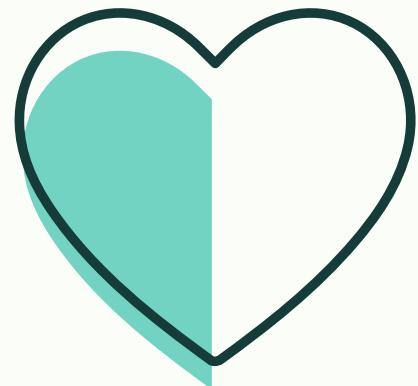




# SOCIOSPHERE

The social Media for Sociopaths



**Presented By:**

Pratham Garg(2110994808)

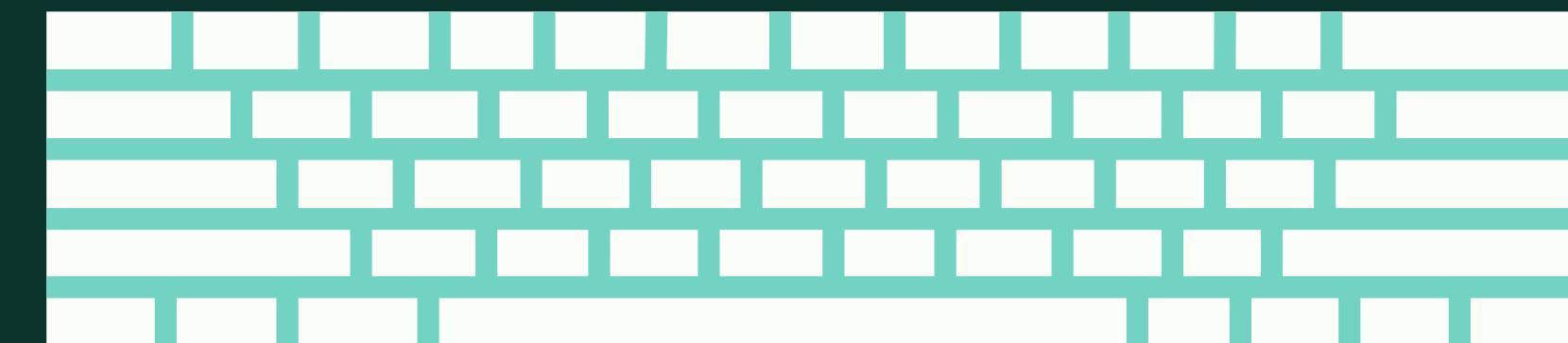
Agastya Sharma(2110994846)

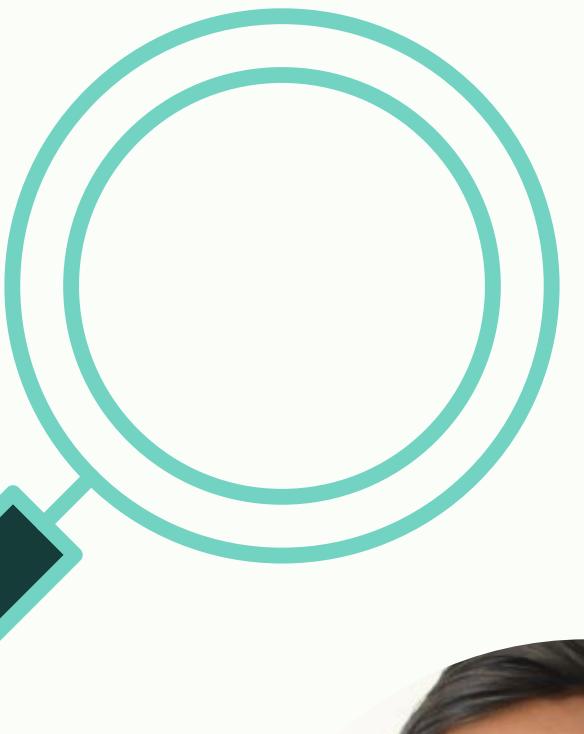
**Back End Engineering Project  
CS187**



# ABOUT OVR. project

Welcome to Sociosphere, an innovative social media app designed to revolutionize the way we connect and share in the digital realm. Built on the powerful MERN (MongoDB, Express.js, React, Node.js) stack, Sociosphere offers a seamless and engaging user experience, combining cutting-edge technologies to create a dynamic social platform.





# THE DEVELOPERS



**Pratham Garg**  
**2110994808**



**Agastya Sharma**  
**2110994846**

# Our Services



## User register/login

New users can register and existing can login to enter the app



## Profile Photo

Mandatory to upload user profile picture during new registration



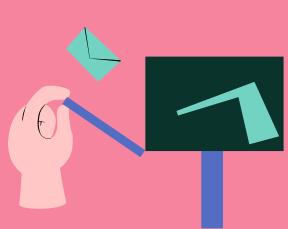
## Photo Sharing

Users can share their day to day life photos, selfies etc. on the app



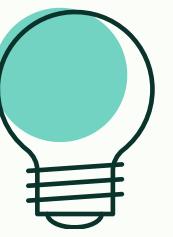
## Add new friends

Users can add new friends as per the post recommendations



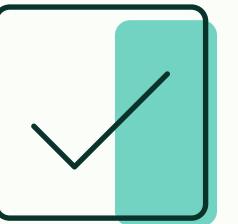
## Marketing

Companies can advertise their platform on SocioSphere



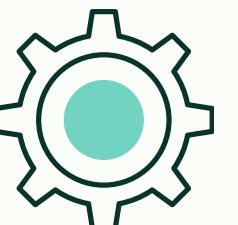
## User-Centric Design

Sociosphere is designed with the user in mind, prioritizing a clean and intuitive interface for a hassle-free experience. From navigation to content creation, every aspect is crafted to enhance user satisfaction.



## Security and Privacy

We understand the importance of privacy in today's digital age. Sociosphere incorporates robust security measures to safeguard user data, ensuring a secure environment where users can express themselves without concerns.



## Scalability and Performance

Built on the MERN stack, Sociosphere leverages the scalability of MongoDB, the flexibility of Express.js, the interactivity of React, and the speed of Node.js. This ensures optimal performance even as the user base grows, providing a smooth and responsive experience.



# Project Overview

# REGISTRATION PAGE



Welcome to SocioSphere, the social Media for Sociopaths

First Name

Last Name

Location

Occupation

Add Picture Here (Max Size = 50KBs)

Email

Password



REGISTER

Already have an account? [Login here.](#)

# REGISTRATION PAGE

## **NEW USER REGISTRATION FORM**

User enters the details asked in the form such as first name, last name, location, occupation, profile picture, email id and password.

## **INPUT HANDLING AND VALIDATION**

Validation checks ensure that the entered data meets specified criteria (e.g., matching passwords, minimum length requirements).

## **FORM SUBMISSION**

Upon clicking “Register” button, the handleSubmit function is triggered.

## **SERVER RESPONSE AND NAVIGATION**

Upon a successful registration, the information is stored in user's database, and they are navigated to the Login page using the navigate function from react-router-dom.

# LOGIN PAGE



Welcome to SocioSphere, the social Media for Sociopaths

Email

Password



LOGIN

[Don't have an account? Sign Up here.](#)

# LOGIN PAGE

## **LOGIN FORM**

Existing user enters the details asked in the form such as email id and password.

## **FORM SUBMISSION**

Upon clicking “Login” button, the `handleSubmit` function is triggered.

## **INPUT HANDLING AND VALIDATION**

Validation checks ensure that the entered data meets specified criteria (e.g., matching passwords, minimum length requirements).

## **SERVER RESPONSE AND NAVIGATION**

Upon a successful login, the user is navigated to the home page using the `navigate` function from `react-router-dom`.

Welcome to  SocioSp

localhost:3000 says  
User with this email already exists. Please login or use a different email.

First Name: Pratham

Last Name: Garg

Location: Punjab

Occupation: Student

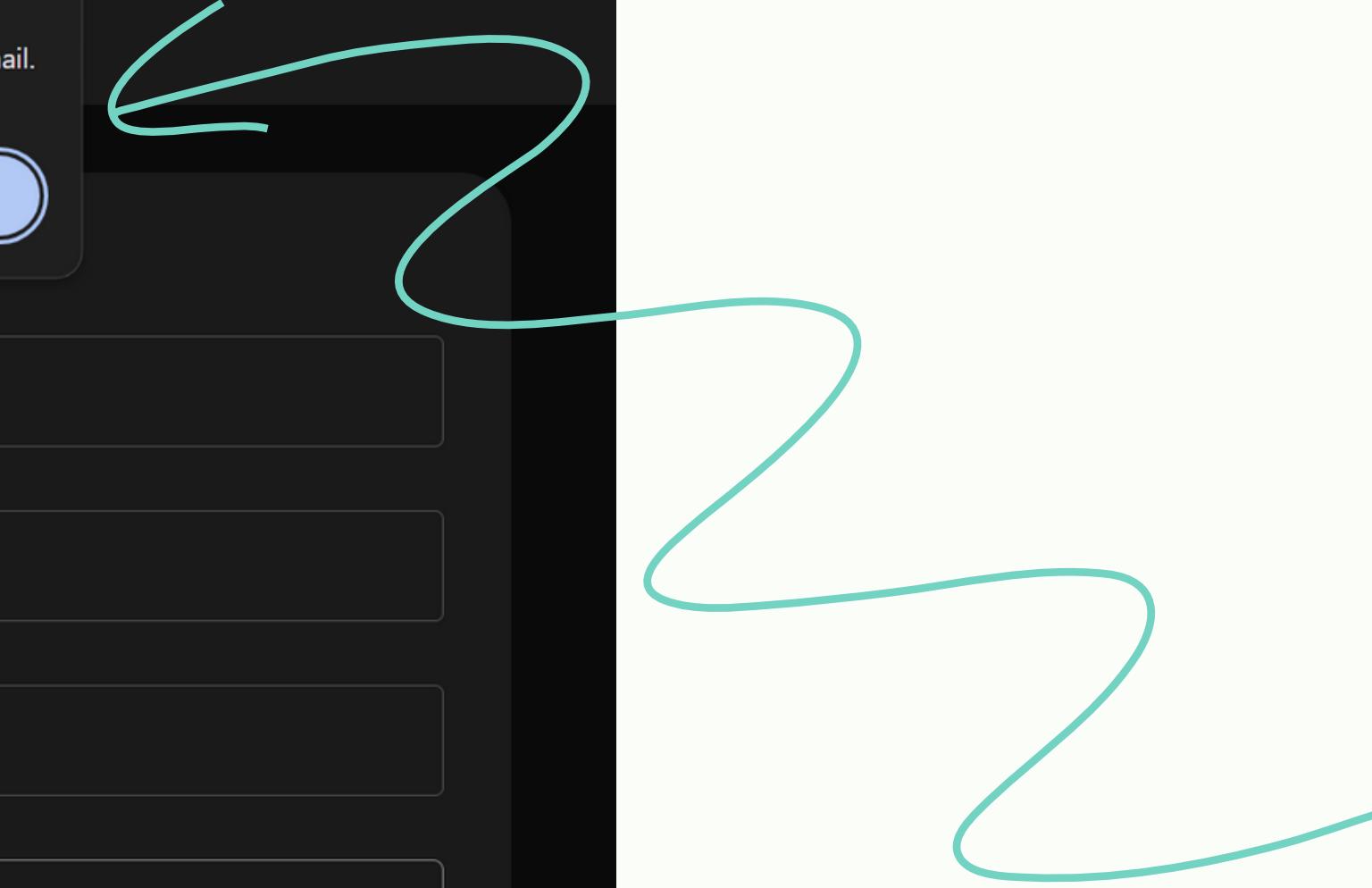
Profile Picture: WIN\_20231219\_17\_55\_02\_Pro.jpg

Email: pratham@abc.com

Password: .....  
Password must contain at least one special character, one uppercase letter, and be at least 8 characters long

**REGISTER**

[Already have an account? Login here.](#)



# REGISTRATION

# ERROR

# PROMPT

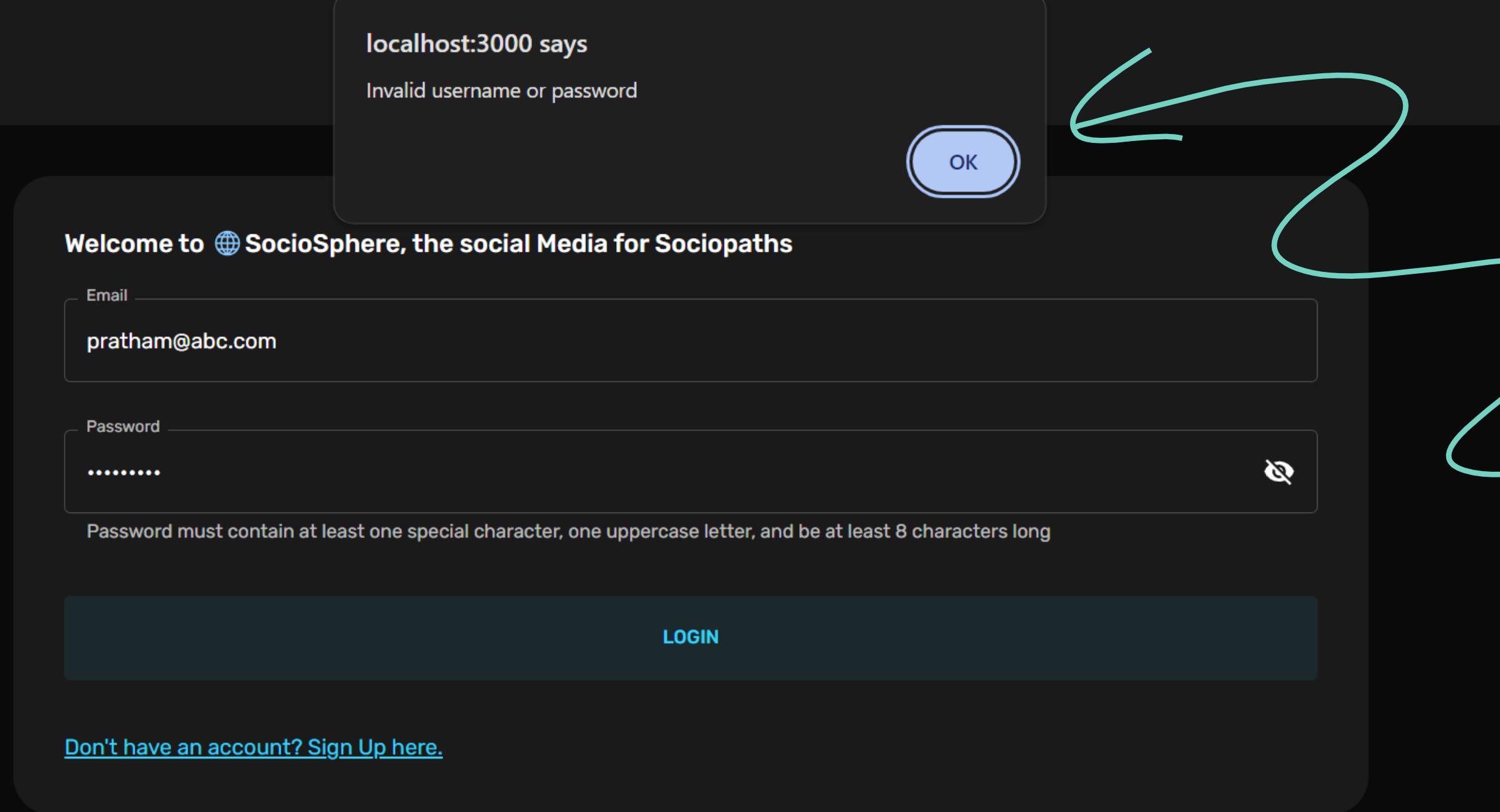


# SECURE REGISTRATION

The Register function extracts email from the request body, checking the availability in a MongoDB database.

If either the email is found, the function returns a JSON indicating that the response username or email is already in use.

If the email is unique, the password is hashed using bcrypt, and a new user is created in the database with the hashed password



**LOGIN**  
**ERROR**  
**PROMPT**

# SECURE LOGIN

The Login function extracts email and password from the request body, checking the data in the MongoDB database.

If either the email or password is not found or matched, the function returns a JSON indicating that the response password or email is incorrect.

If the email is registered, user needs to login using the previous password or else if the user is new, it needs to be registered before logging in

 **SocioSphere**

Search...



Pratham Garg ▾

**Pratham Garg**  
2 friends 

---

 Chitkara University, Rajpura

 Student

---

Who's viewed your profile **910**

Impressions of your post **598**

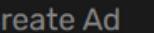
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**Social Profiles**

 Twitter  
Social Network 

 LinkedIn  
Network Platform 

 What's on your mind...  
  
 Image  Clip  Attachment  Audio  POST

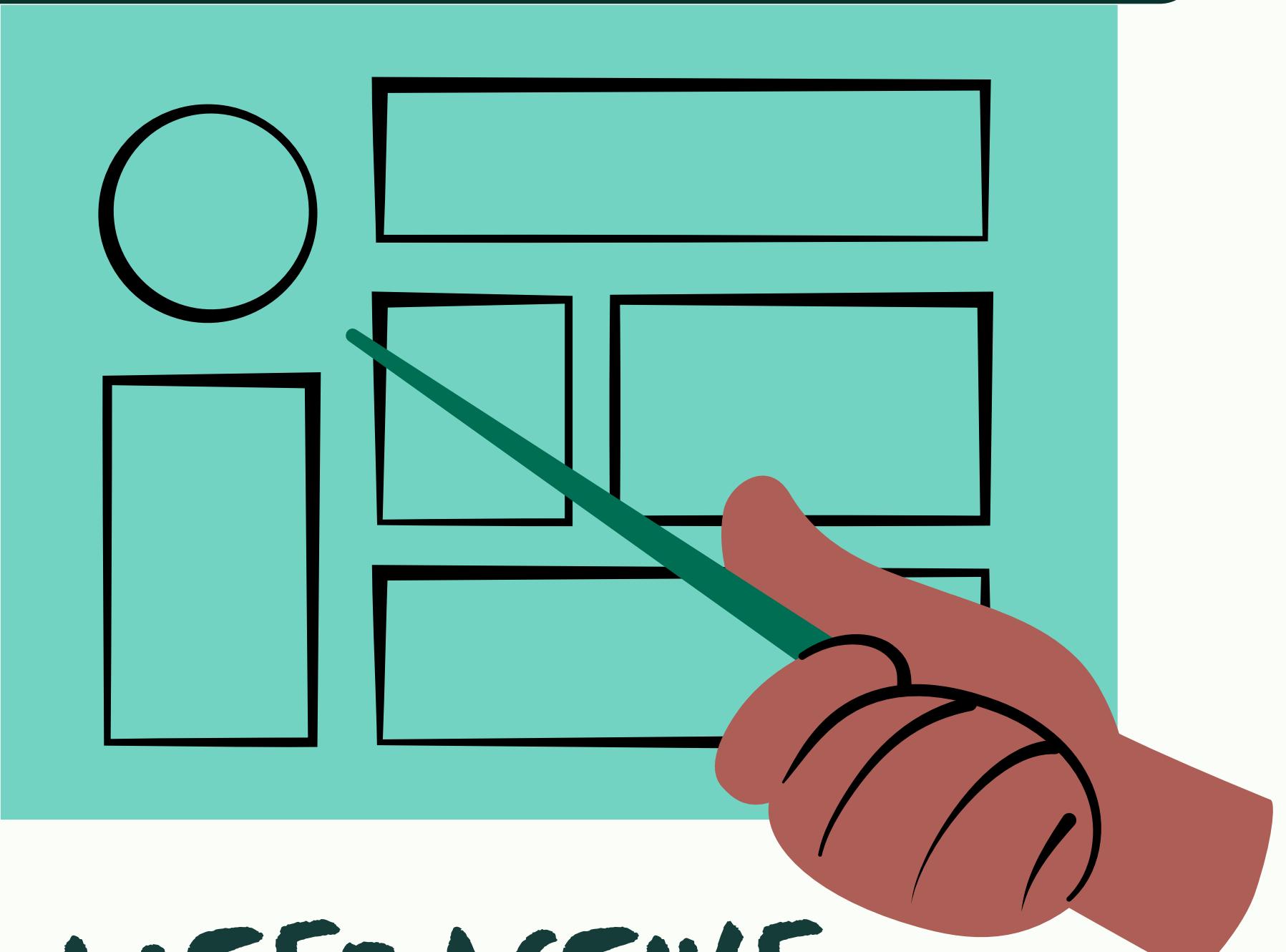
**Sponsored**  
MikaCosmetics  Create Ad  
mikacosmetics.com  
Your pathway to stunning and immaculate beauty and made sure your skin is exfoliating skin and shining like light.

**Friend List**

 **Agastya Sharma**  
Student 

 **Dwayne Johnson**  
Actor 

- The homepage consists of different components such as the user profile, post widgets, navbar, friends list, ads corner.
- The friend list component allows the user to manage the friends to be added or removed from the list.
- The post widget allows to upload an image post with a caption.
- Under the post widget, there comes the comment component allowing other users to comment on the post
- On the navbar, the name of app, search bar, dark/light mode button and logout feature is listed.



INTERACTIVE  
HOME PAGE

SocioSphere

localhost:3000/profile/65a4cd60c649c2dcfe467194

Pratham Garg

Search...

What's on your mind...

Image Clip Attachment Audio POST

Who's viewed your profile 910

Impressions of your post 598

Social Profiles

Twitter Social Network

Linkedin Network Platform

Friend List

Agastya Sharma Student

Dwayne Johnson Actor

On clicking the profile setting button, the page is redirected to personal profile page where the ads corner is removed.

Who's viewed your profile 153

Impressions of your post 971

---

**Social Profiles**

 Twitter Social Network

 LinkedIn Network Platform

Pratham Garg  
Chitkara University, Rajpura

Om Nama Shivay 🙏



2 1

Agastya Sharma 🙏🙏🙏

Write a comment ...

POST

**Friend List**

Pratham Garg Student

The post widget contains the comment and like button. Other users can like and comment on the post shared by anyone on the platform. The comment delete option is available to only the user who has commented on it.

**Pratham Garg**

2 friends



Chitkara University, Rajpura

Student

Who's viewed your profile

910

Impressions of your post

598

**Social Profiles** Twitter  
Social Network LinkedIn  
Network Platform

What's on your mind...



Image



Clip



Attachment



Audio

POST

**Pratham Garg**

Chitkara University, Rajpura

Om Nama Shivay 🙏

**Sponsored**

MikaCosmetics

Create Ad

mikacosmetics.com

Your pathway to stunning and immaculate beauty and made sure your skin is exfoliating skin and shining like light.

**Friend List****Agastya Sharma**

Student

**Dwayne Johnson**

Actor



Dark and Light mode is available on the app. In the navbar, user can change the theme as per the convenience by clicking the sun or moon button.

# INDIVIDUAL CONTRIBUTIONS

PRATHAM's TASKS	AGASTYA's TASKS
Login and Register pages	Navbar component
Profile and Post Widget	Dark/Light mode
Friends List	Advertisement corner
Routes and Error handling	Post comment and like
Multer for images storing	UI
Database handling	API testing
PPT	Report documentation



# FUTURE Extension



- Reset password option
- Google login
- Chat App integration
- Search bar functioning to search for users
- Profile update
- Link other social media apps
- More multimedia support to be posted

THANK YOU