i-Mate

An online chat app

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ITW-PROJECT

A Database oriented webapp using django

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OBJECTIVE

This project is to create a chat application with a server and users to enable users to chat with each other and to develop an instant messaging solution for user to connect seamlessly.

MOTIVATION

- The prime goal of this choosing this project was to understand how instant messaging apps (which have become a part of everyday lives in this online semester) work.
- The users here wont be restricted to the people they know. Here the random chat pairing will let them talk to new people and based on mutual agreement they would be added as chat friends.

FEATURES

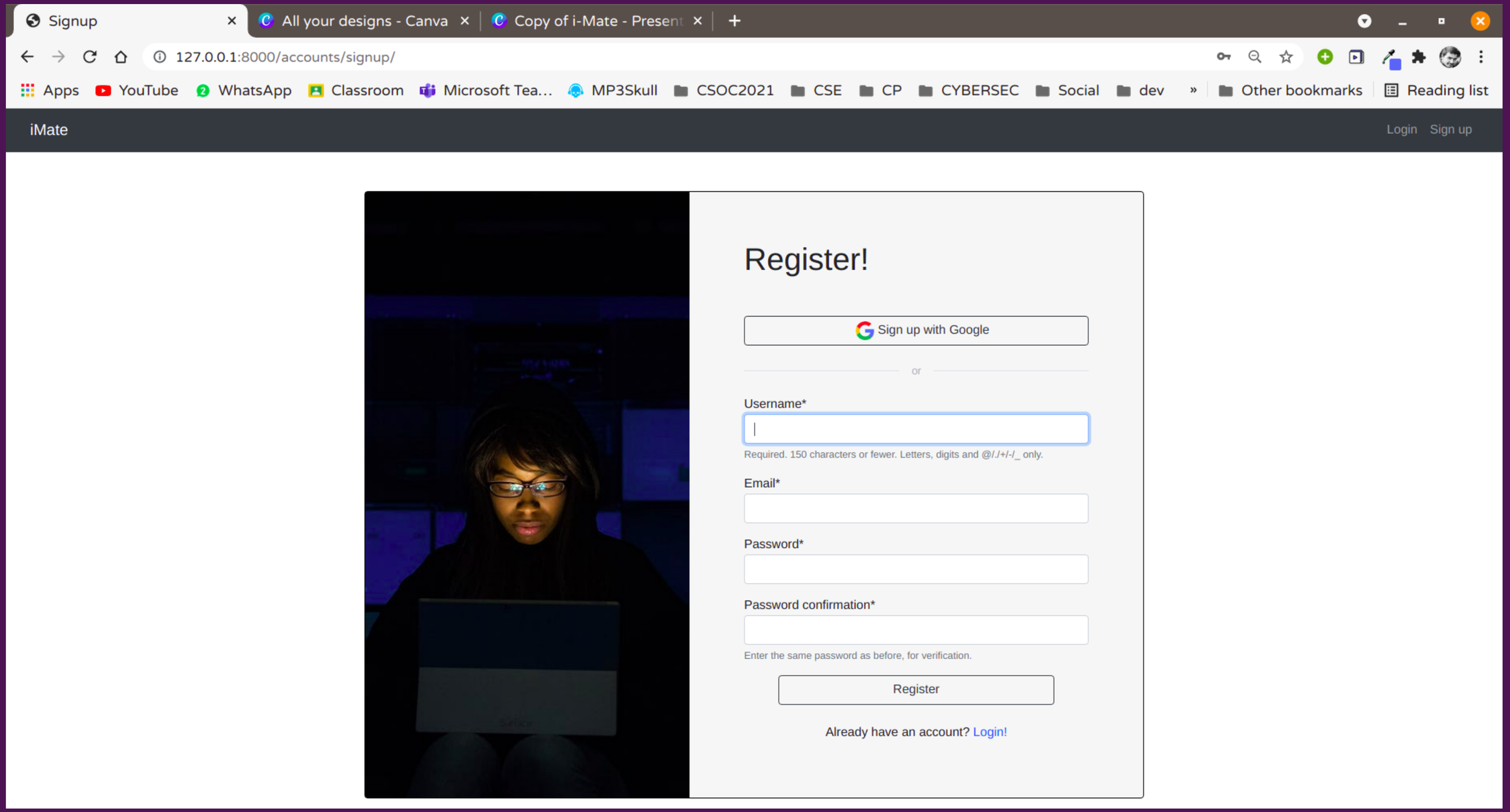
- Login-signup for users.
- One-to-one private chats.
- Unlike normal chat apps it will have a section for talking with random people with some time(i.e. 15 minutes) and at the end of which they will be added and as chat friends by mutual consent.
- Real-time chatting with low latency

TECHNOLOGY USED

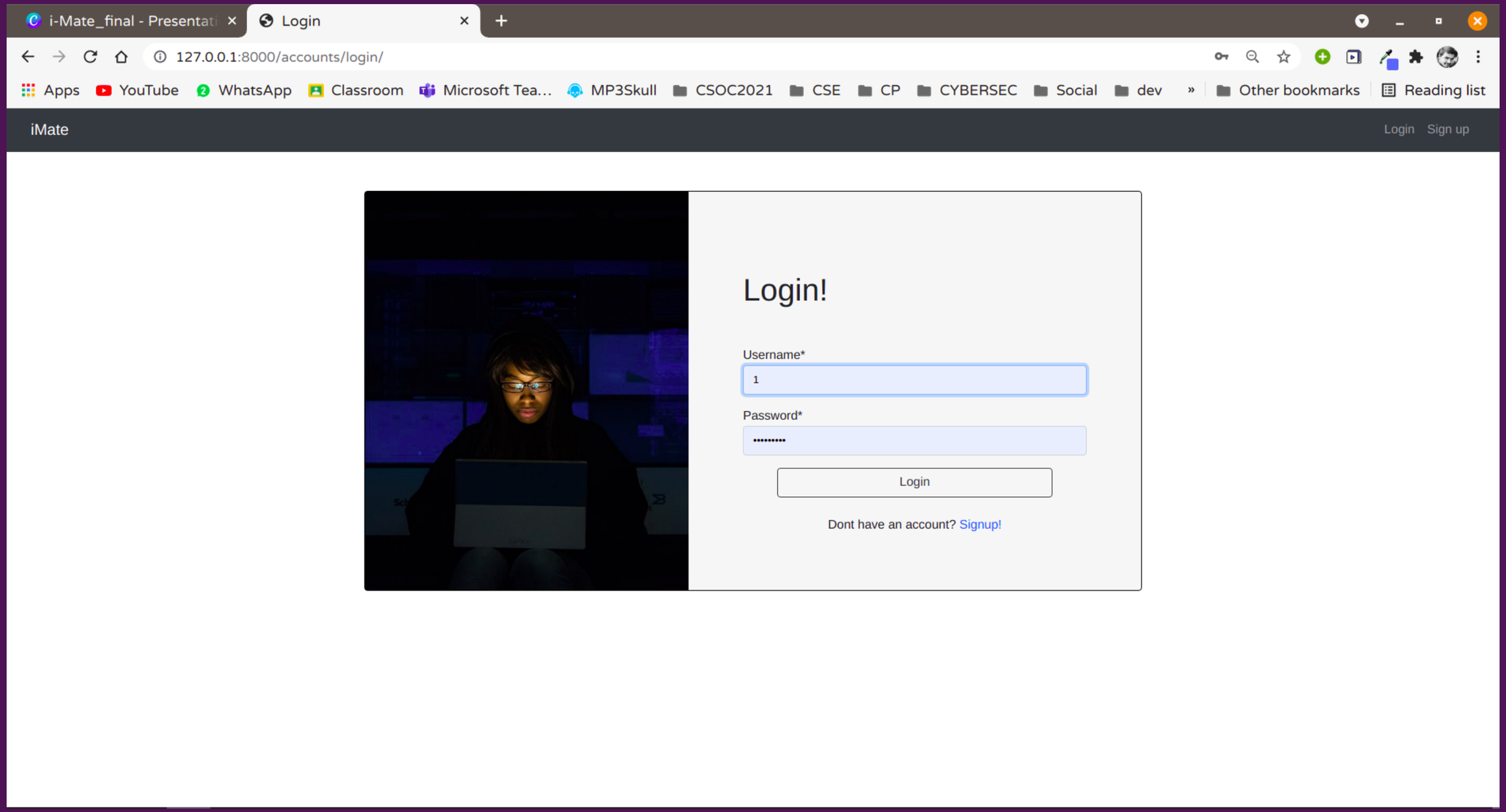
- DataBase :
  - SQlite3
- Frontend :
  - BootStrap with basic HTML,CSS AND JS
- Backend :
  - Django Framework
  - Django Channels & Web Sockets

SCREENSHOTS

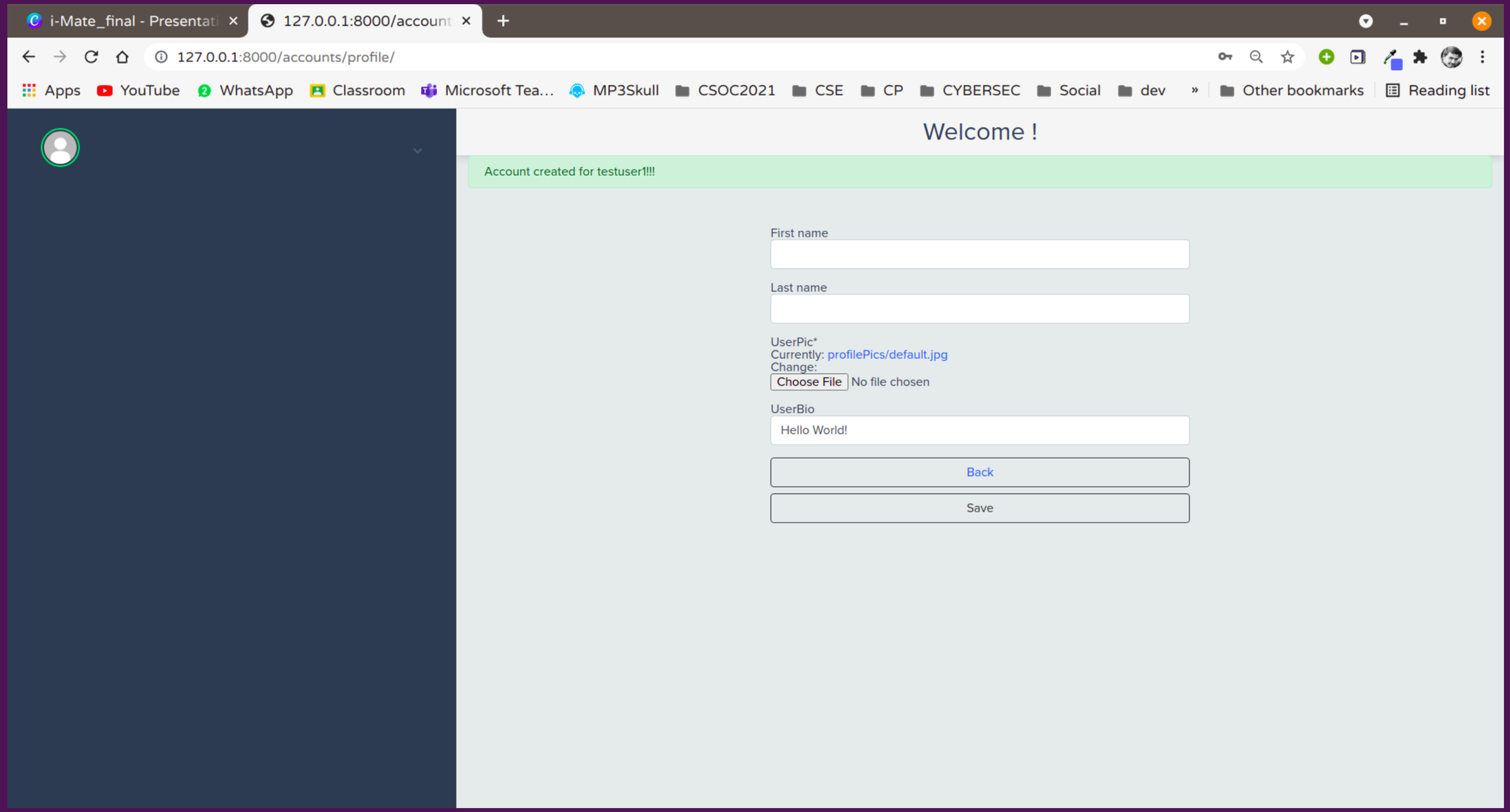
Register Page



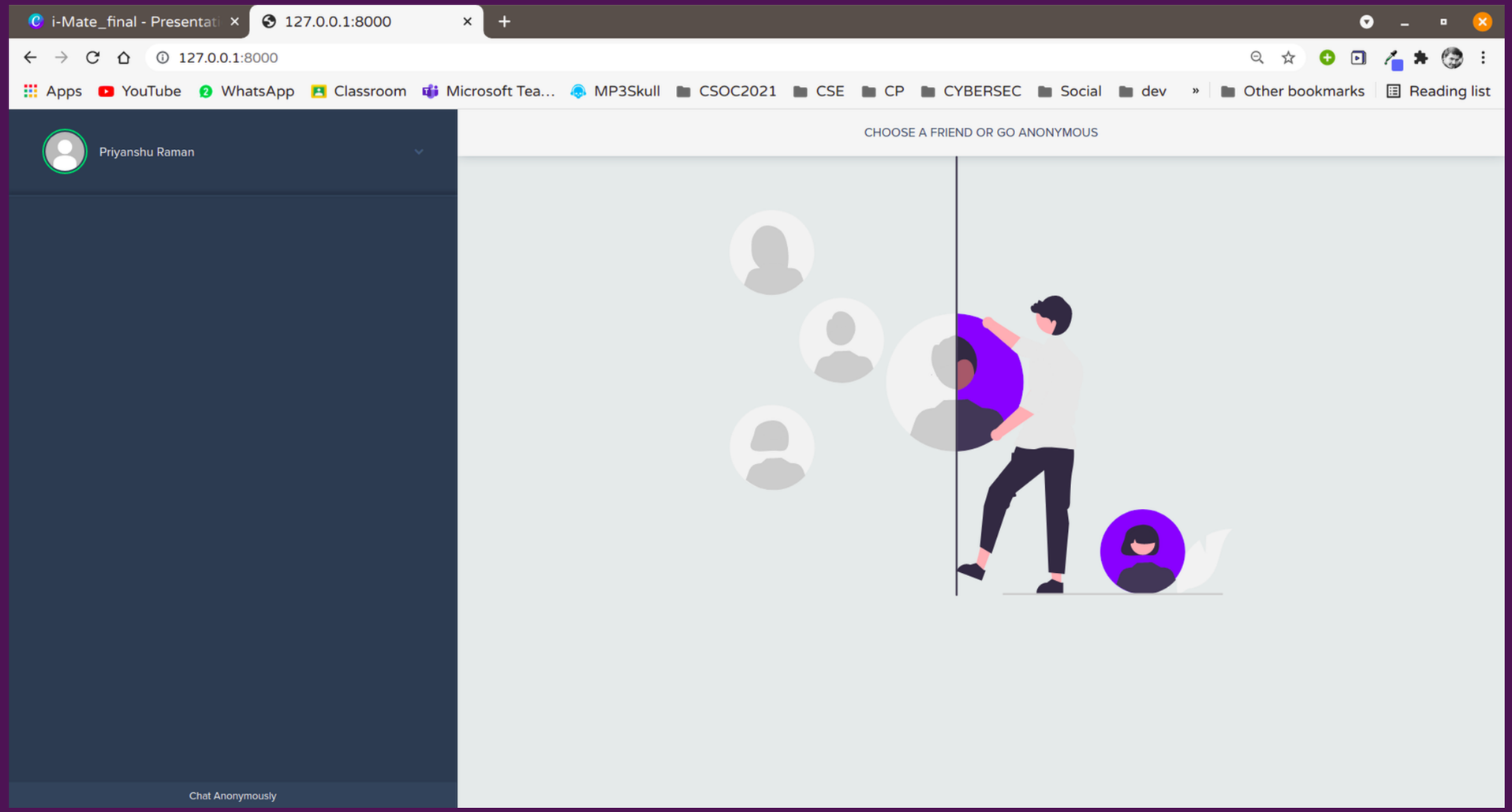
Login Page


i-Mate_final - Presentati
Login
127.0.0.1:8000/accounts/login/
Apps
YouTube
WhatsApp
Classroom
Microsoft Tea...
MP3Skull
CSOC2021
CSE
CP
CYBERSEC
Social
dev
Other bookmarks
Reading list
iMate
Login
Sign up
Login!
Username*
1
Password*
Login
Dont have an account? Signup!

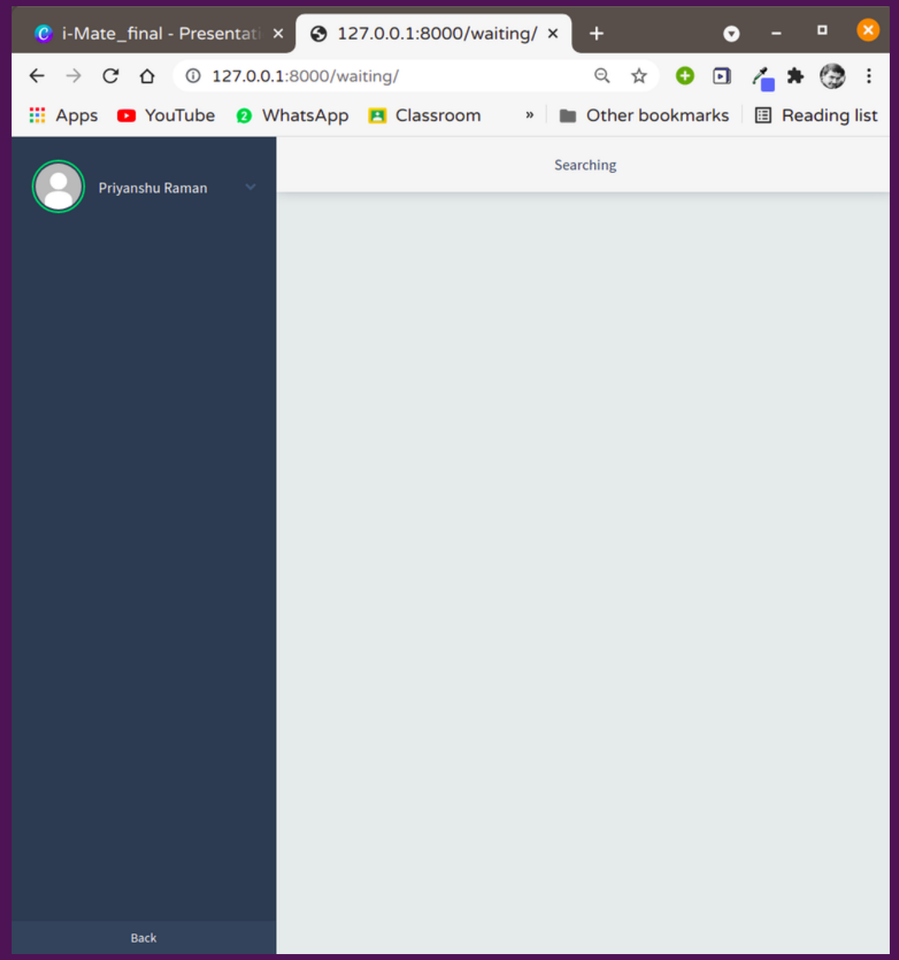
Profile Page



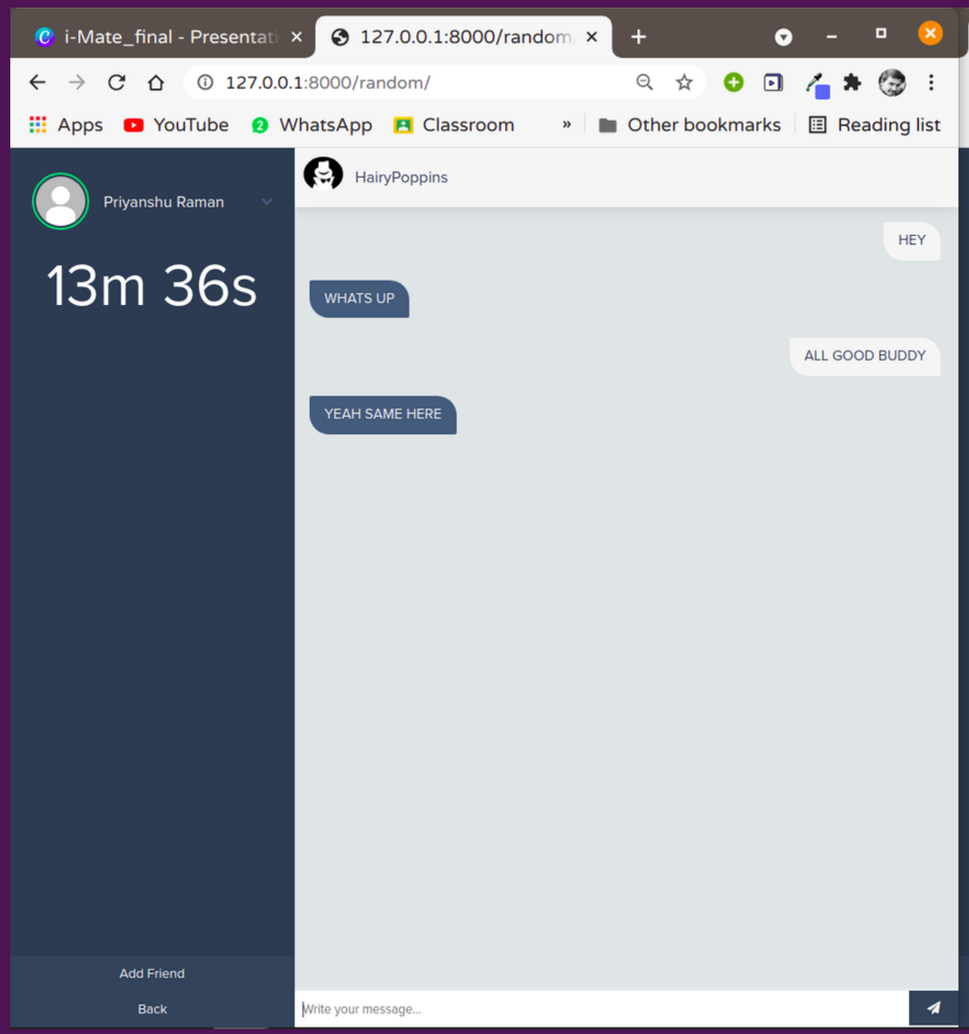
Chat -Page

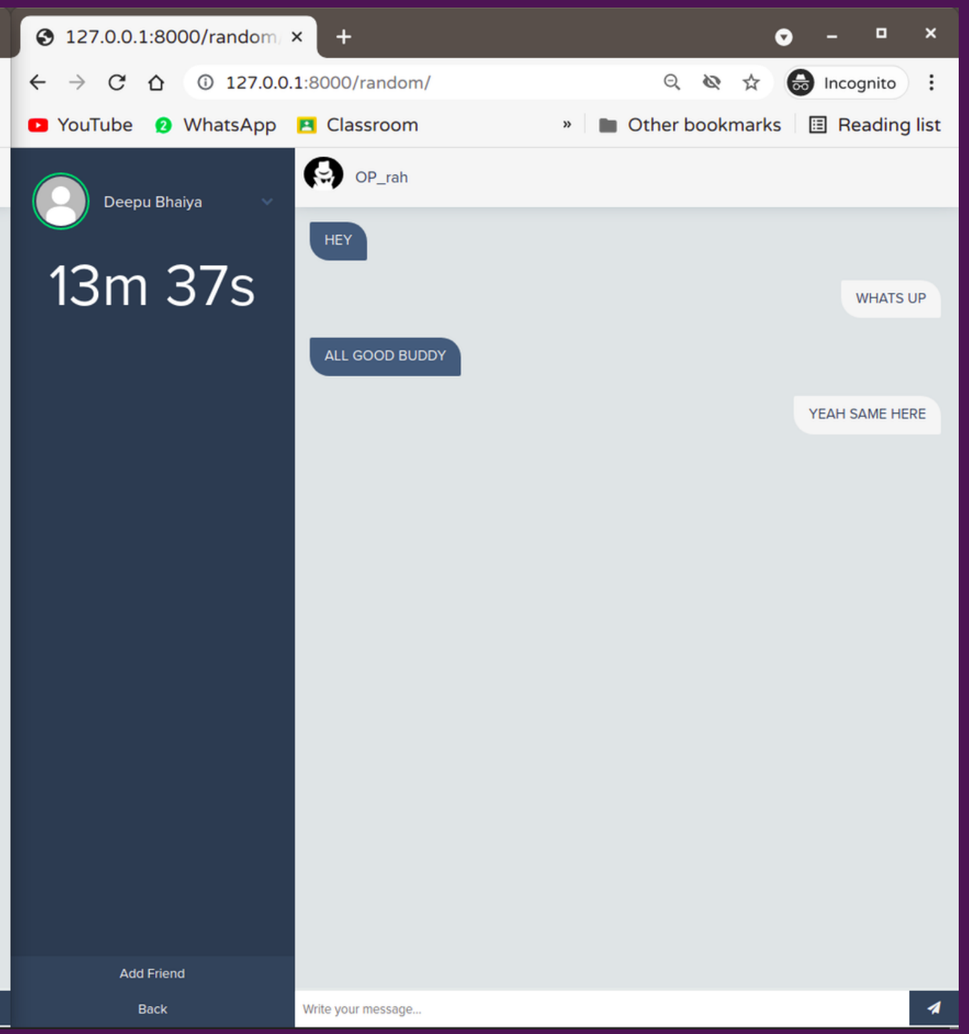

i-Mate_final - Presentati
127.0.0.1:8000
127.0.0.1:8000
Apps
YouTube
WhatsApp
Classroom
Microsoft Tea...
MP3Skull
CSOC2021
CSE
CP
CYBERSEC
Social
dev
Other bookmarks
Reading list
Priyanshu Raman
CHOOSE A FRIEND OR GO ANONYMOUS
Chat Anonymously

Waiting Page

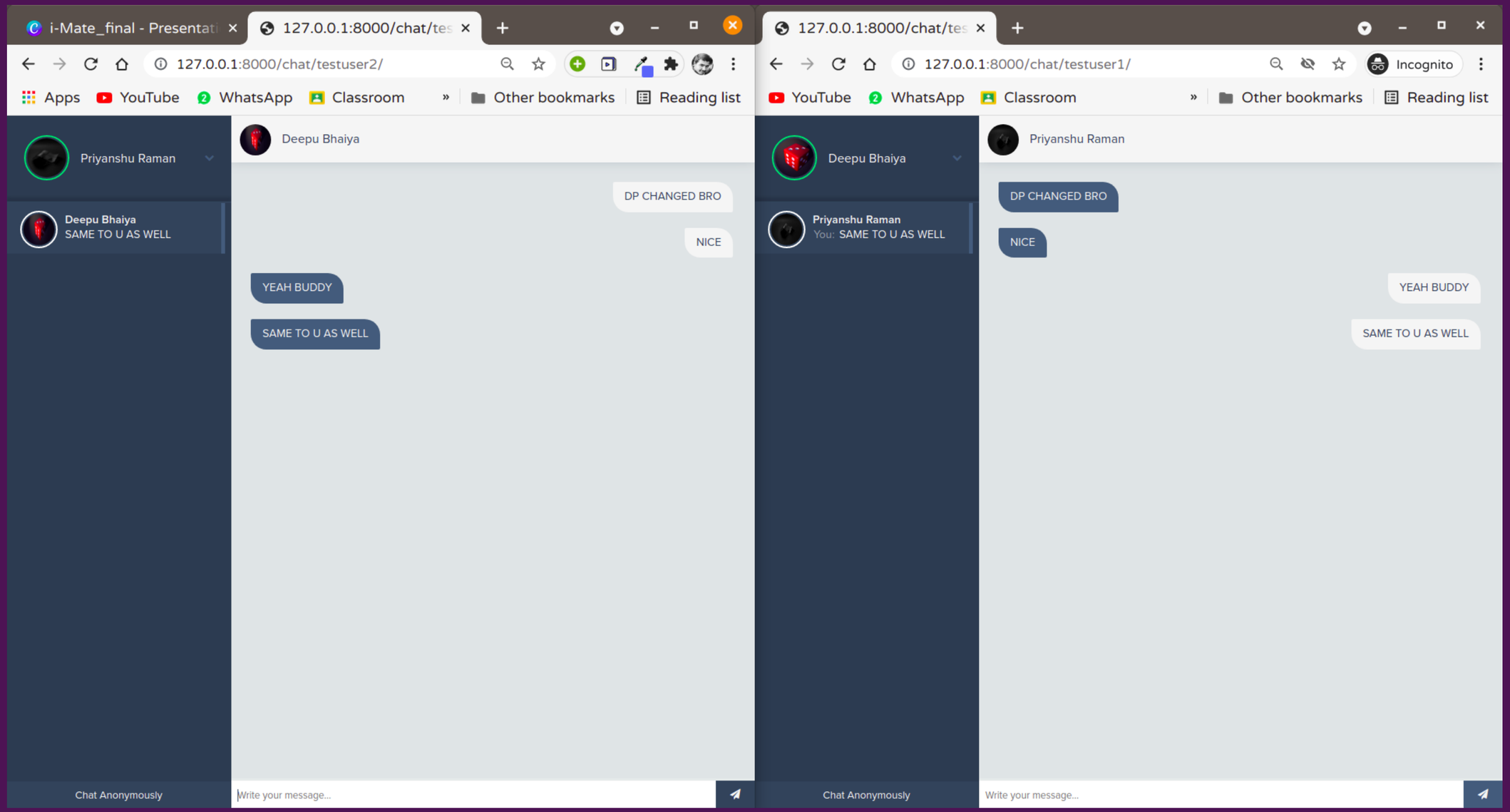


Random Chat Page

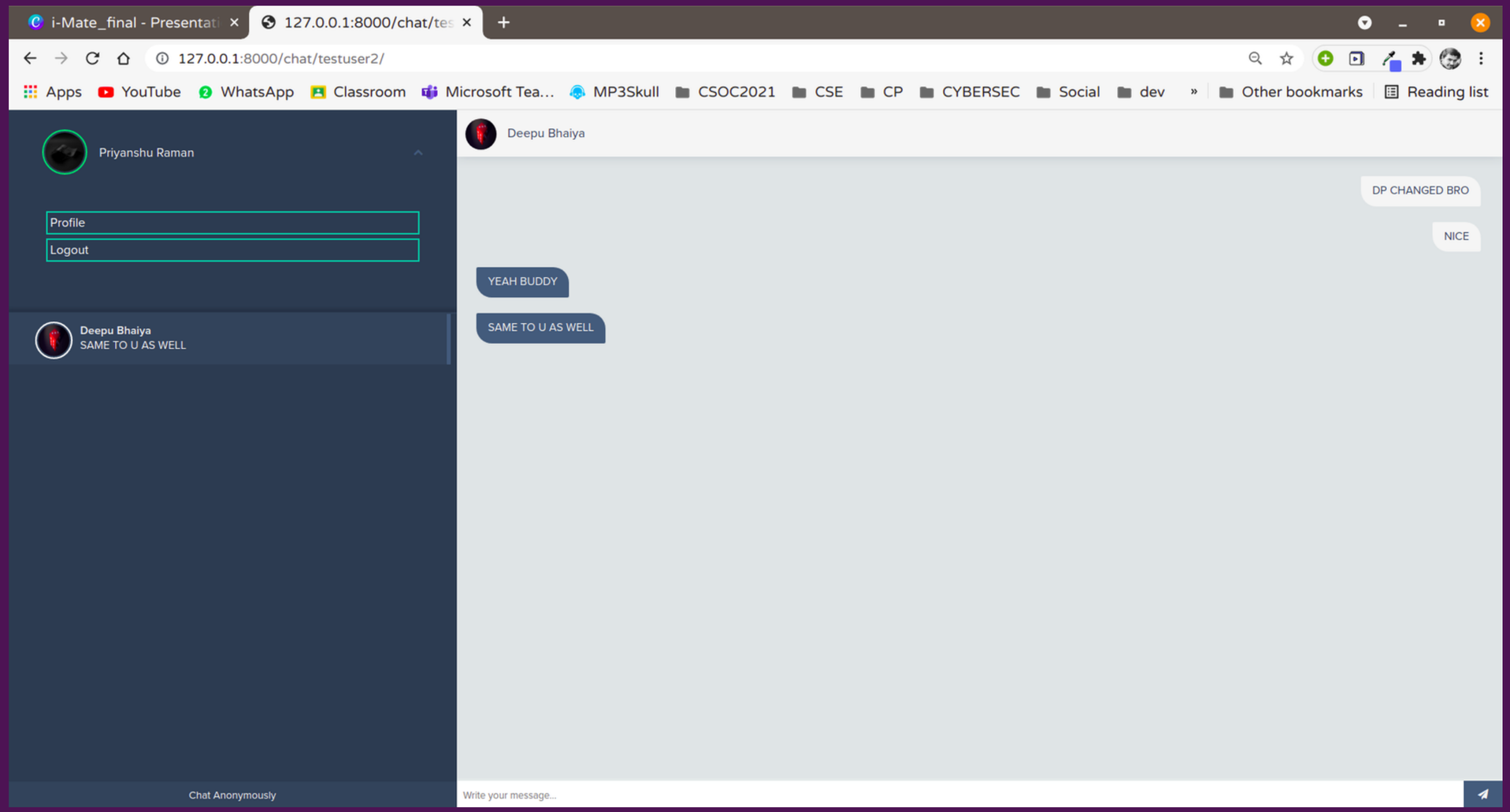




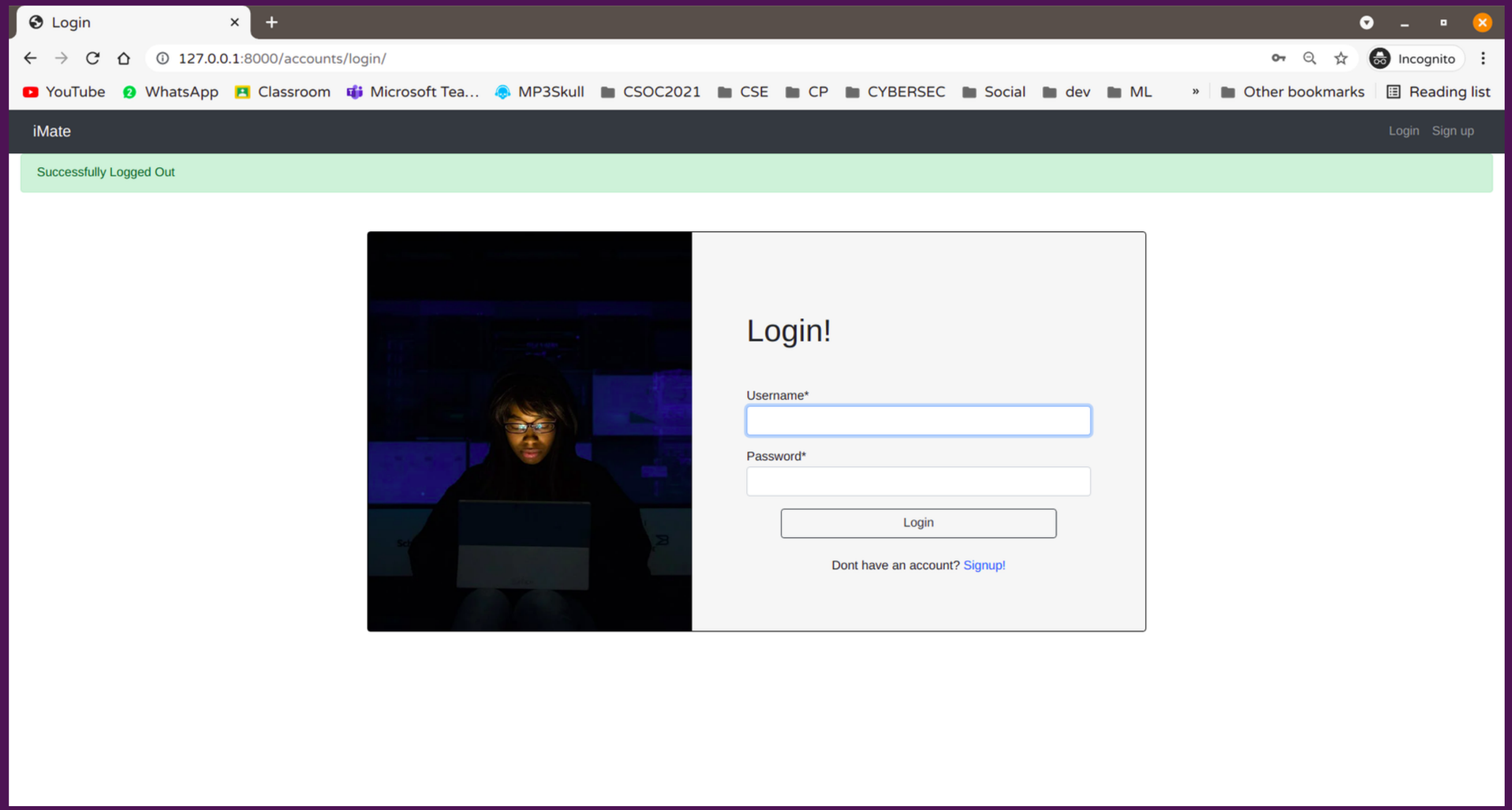
Friend Chat-Page



Logging out Part



Logged Out


Login
127.0.0.1:8000/accounts/login/
Incognito
YouTube
WhatsApp
Classroom
Microsoft Tea...
MP3Skull
CSOC2021
CSE
CP
CYBERSEC
Social
dev
ML
Other bookmarks
Reading list
iMate
Login
Sign up
Successfully Logged Out
Login!
Username*
Password*
Login
Dont have an account? Signup!

ADDITIONAL FEATURES:

The chat feature will be extended from private chats to group chats where multiple user will share a single chat page.

In addition to text message, voice message and pictures will be tried to implemented.

A lobby chat for anonymous user_mode will also be added.

FUTURE PROSPECTS

If we ensure that only institute students use i-Mate (by authenticating college email-id) then, we feel this will be very helpful for the upcoming batch in finding friends online if used with the intent to do so.

Later on if they wish they could move on to other social media platforms but this definitely will be a kick-start to break off a conversation .

THANK YOU