

BWUNETIC

A PROJECT REPORT

Submitted By

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Impartial fulfillment for the award of the degree

of

BACHELOR OF TECHNOLOGY

Department of Computer Science and Engineering

BRAINWARE UNIVERSITY

398, Ramkrishnapur Road, Barasat, North 24 Parganas, Kolkata - 700 125

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COMPUTER SCIENCE AND ENGEERING

BONAFIDE CERTIFICATE

Certified that this project report "**BWUNETIC**" is the bonafide work of "**AkashDebnath, Mousumi Biswas, DebjoytiDebnath, Arideep Nandi**" who carried out the project work under my supervision.

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TECHNOLOGIES USED IN THIS PROJECT

FRONTEND TECHNOLOGIES:

ReactJs Framework along with HTML and CSS

BACKEND TECHNOLOGIES:

NodeJs, ExpressJs Framework

DATABASE:

Mongo DB

ABSTRACT

-The basics of the Project

The purpose of this project is to develop an in-house social media outlet that can be used by the students and the staff as well of the university to get access of various university events, hackathons, social activities, placement drives, fest & many other feasts.

It is currently implemented in majority of the country's various institutions. The traditional system that was already in place at the time, which was either done verbally or through notices on boards or with the help of Whatsapp or Telegram. We wanted to break the norm by implementing this system effectively at our institution for a better and a seamless experience for the students as well as the non-studying members of the institution.

The chosen methodology for this project is throwaway prototyping methodology.

This methodology enables developer to communicate with target users through using the prototyping, which can let target user to review, evaluate, visualize and learn about the system before the actual implementation of the final system.

This system is designed for small medium social communication aspects for the students.

BWUNETIC

APROJECT REPORT

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Introduction

The design and implementation of An Interactive Social Media Forum and user interface is to replace the primitive design of a newsletter agency or broadcasting medium. Students are able to directly access all of the institutional activities at the click of their mouse through a secure, online interface embedded in the college's website.

It also provides the Home page where there is a very friendly Interface to operate and view every other news on a daily basis in a scroll down fashion.

Key performance:

- a. The success of the project: Our aim is to create a in house Social media forum where a student and faculty can access easily anytime anywhere, it also comes up with modifiable dashboard.
- b. Subscription: It is totally free to access for the students as well as the non-academics of the institution.
- c. Member Satisfaction: All the effort behind the fruition of the website is to gain both academic's and non-academic's valuable feedback. We tried everything from keeping the website design simple and its content appearance that piques interest of both student and faculty.

Upcoming features:

- a. Notification alerts for the students on exam, payment and other purposes.
- b. It will generate the grade book (report card) which can be accessed by parents and students from their dashboard.
- c. Online payment process system.
- d. Guardian query portal.
- e. Online examination portal.
- f. This module will allow the automated design of ID cards for students and faculty with minimum configuration.

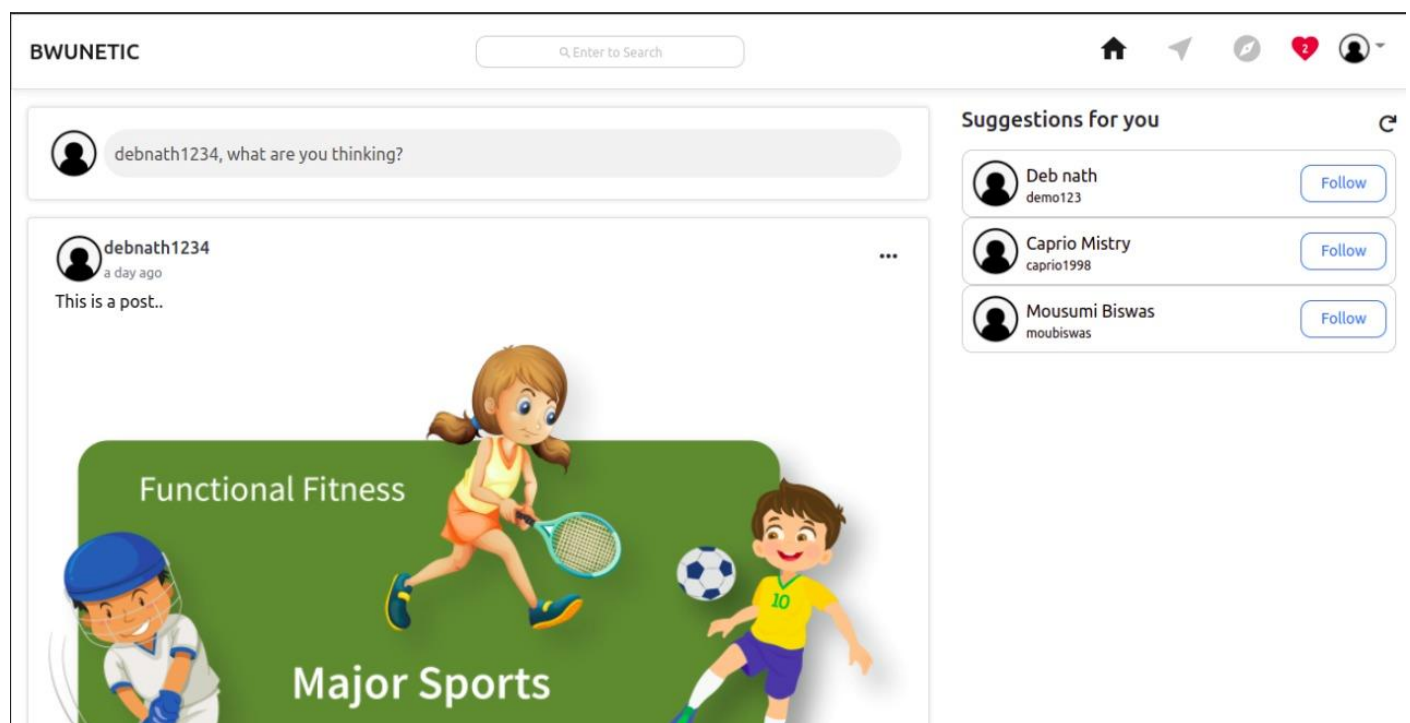
Literature Review

Our project which is based on an in-house social media outlet that can be used by the students and the staff as well of the university to get access of various university events, hackathons, social activities, placement drives, fest & many other feasts.

It is now in use in the vast majority of the country's institutions. The customary system in existence at the time, which was done either orally, through notices on bulletin boards, or through the use of Whatsapp or Telegram. We intended to break the mould by efficiently adopting this technology at our school in order to provide a better and more seamless experience for both students and non-students.

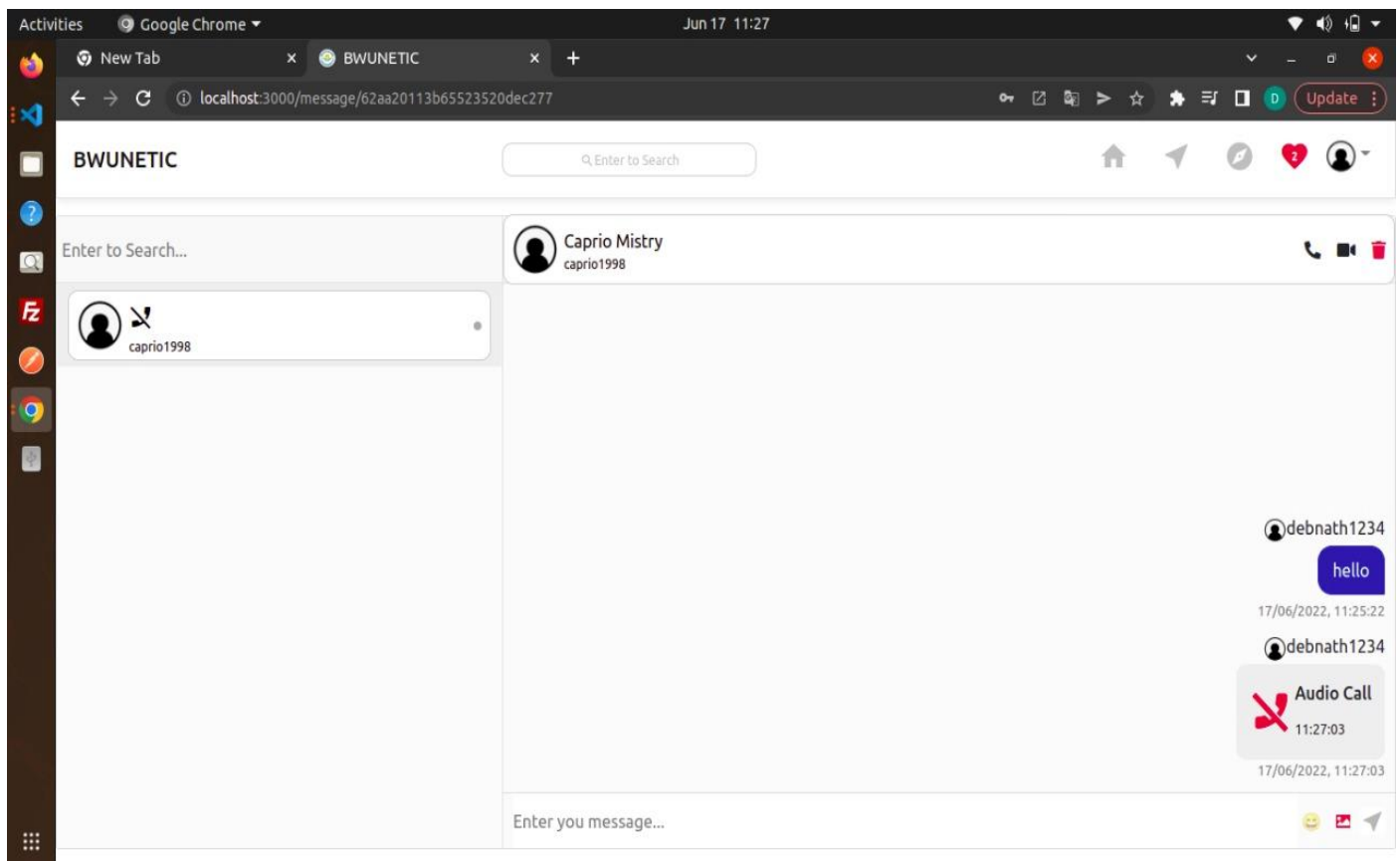


Fig 1: Home Page



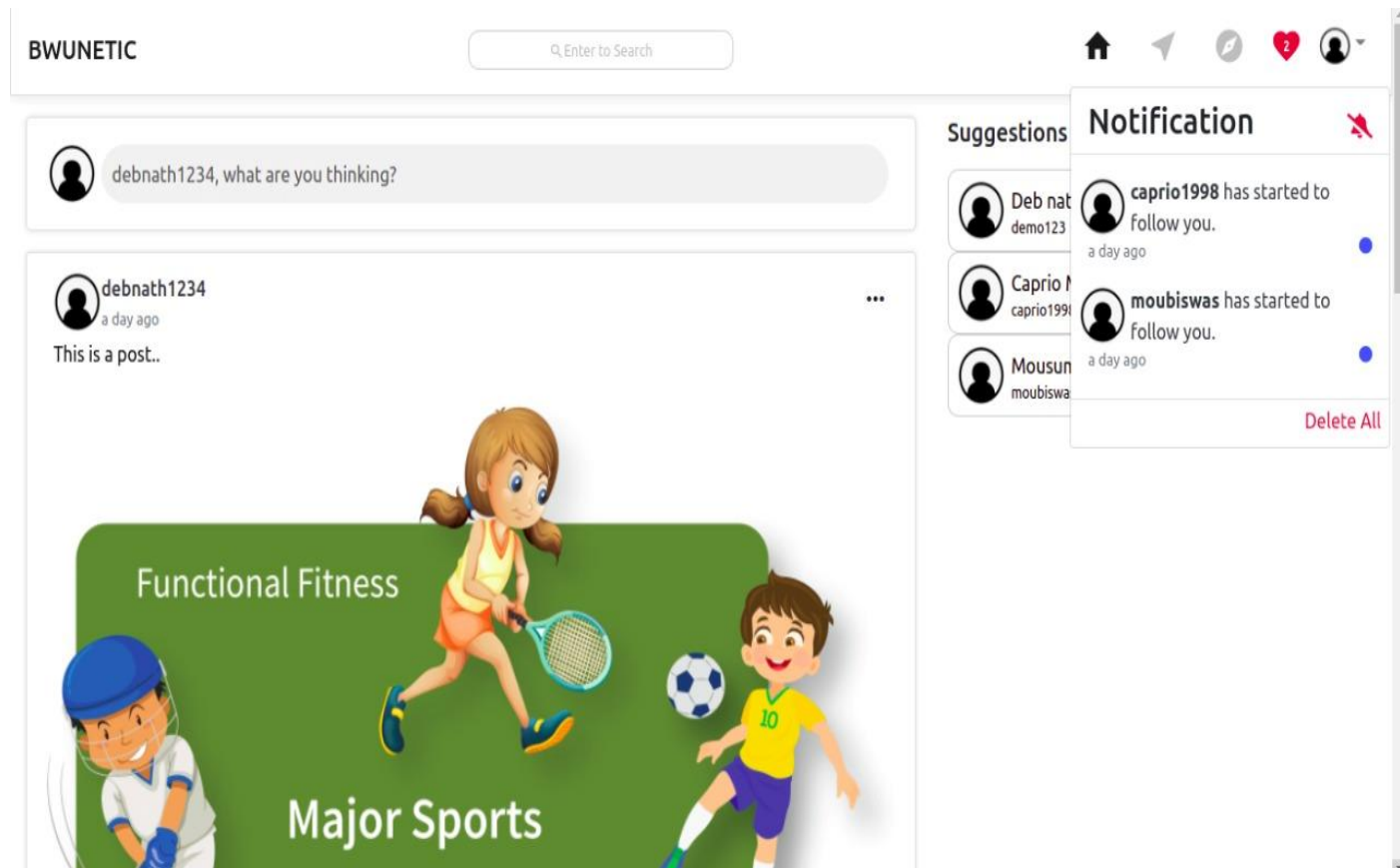
This page contains your Feed, a continually updated collection of postings from your friends, groups you're a member of, Pages you follow, and more. Find out how to: You have complete control over what you see in Feed. Look for individuals and subjects that are important to you.

Fig 2: Chat Features



From the chat feature on BWUNETIC, you may reach out to individuals you care about right now.

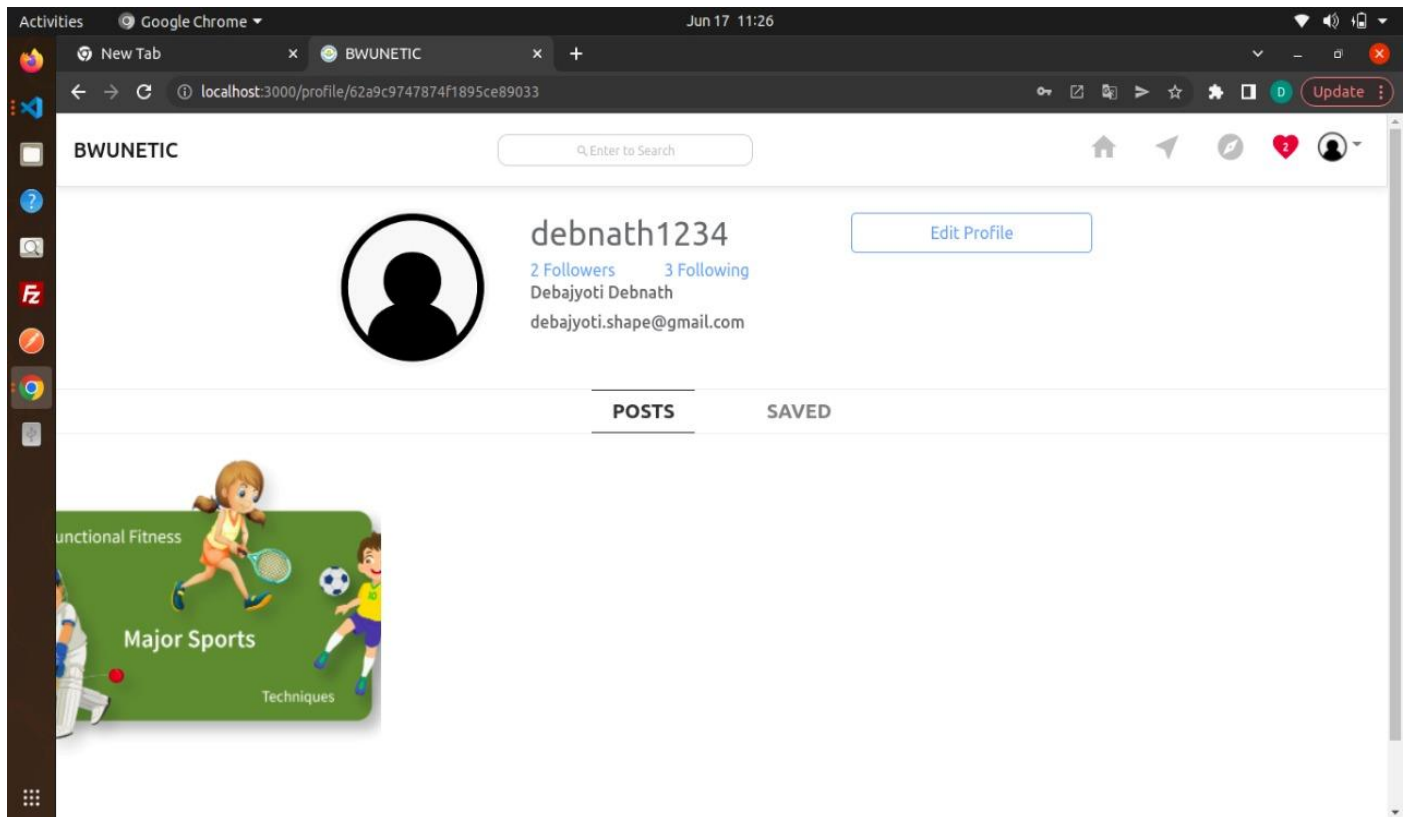
Fig 3: Notification



Notifications are notifications regarding what's going on at BWUNETIC. You may alter what you're alerted about and how you're notified by going to your notifications settings. Depending on the platform you're using, you may receive different sorts of alerts.



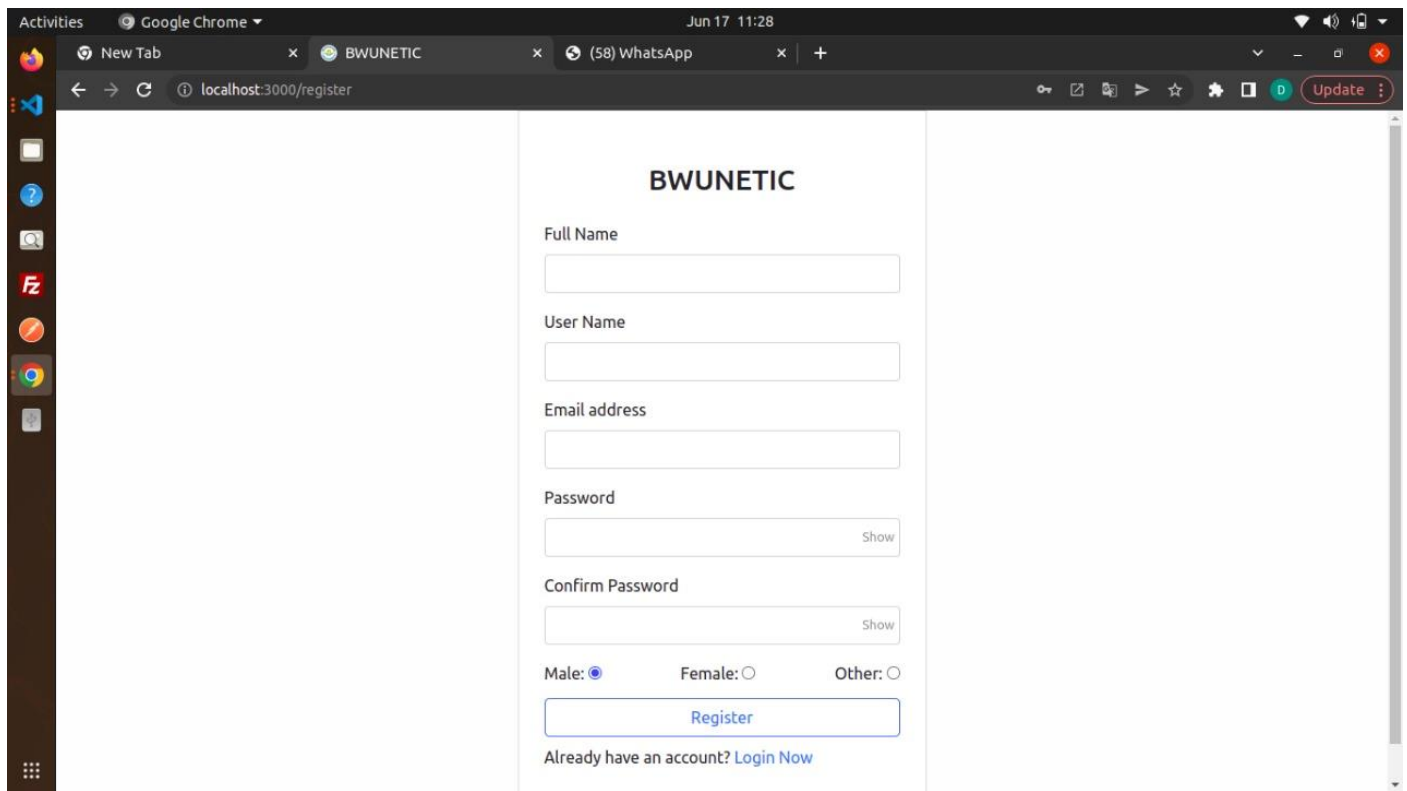
Fig 4: Profile



A profile on BWUNETIC is a place where you may post information about yourself, such as your hobbies, images, videos, current city, and hometown. Click or press your name or profile photo at the top of BWUNETIC to see your profile.



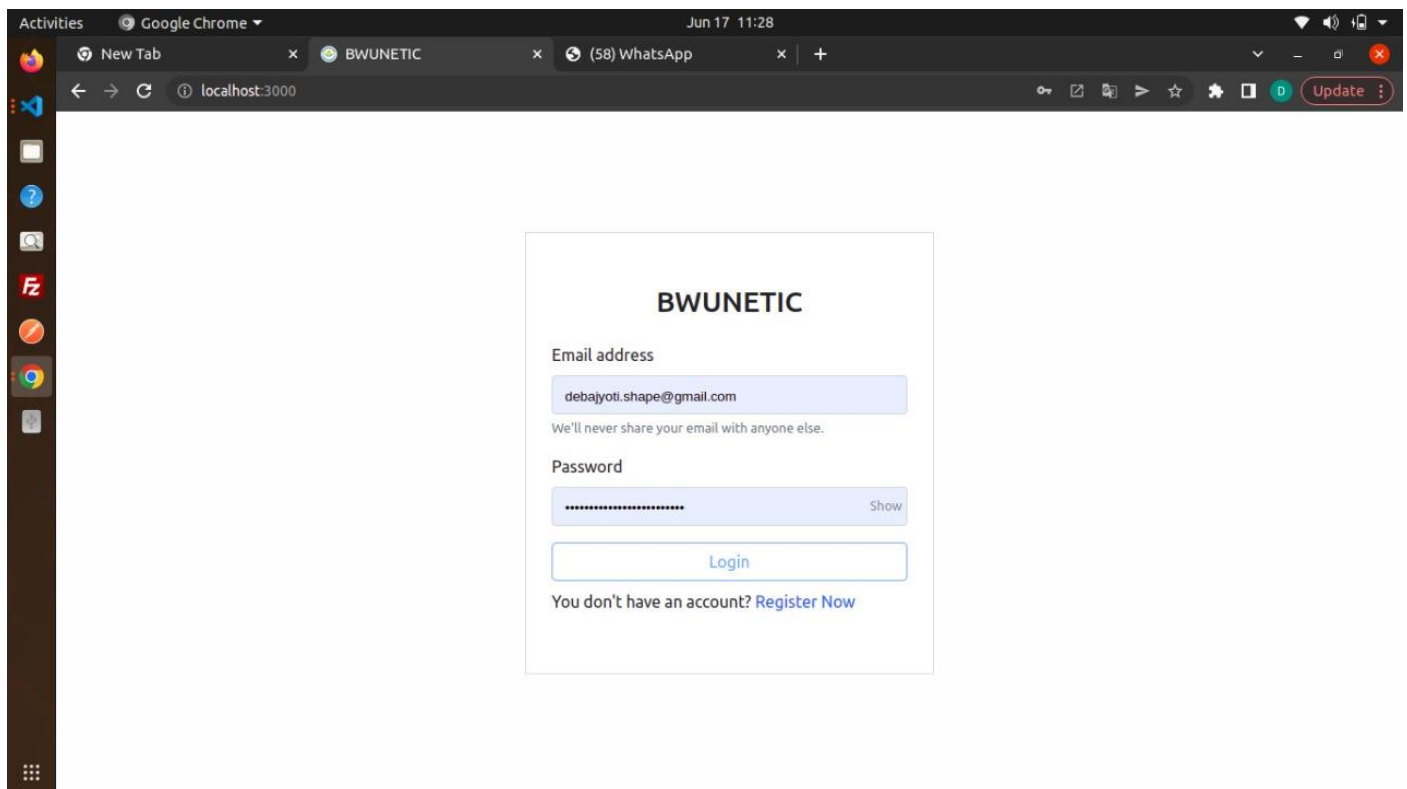
Register page



The screenshot shows a web browser window with the address bar displaying 'localhost:3000/register'. The page title is 'BWUNETIC'. The registration form includes the following fields and elements:

- Full Name**: A text input field.
- User Name**: A text input field.
- Email address**: A text input field.
- Password**: A text input field with a 'Show' toggle.
- Confirm Password**: A text input field with a 'Show' toggle.
- Gender Selection**: Three radio buttons labeled 'Male:', 'Female:', and 'Other:'.
- Register Button**: A blue button labeled 'Register'.
- Login Link**: A link labeled 'Already have an account? Login Now'.

Login page



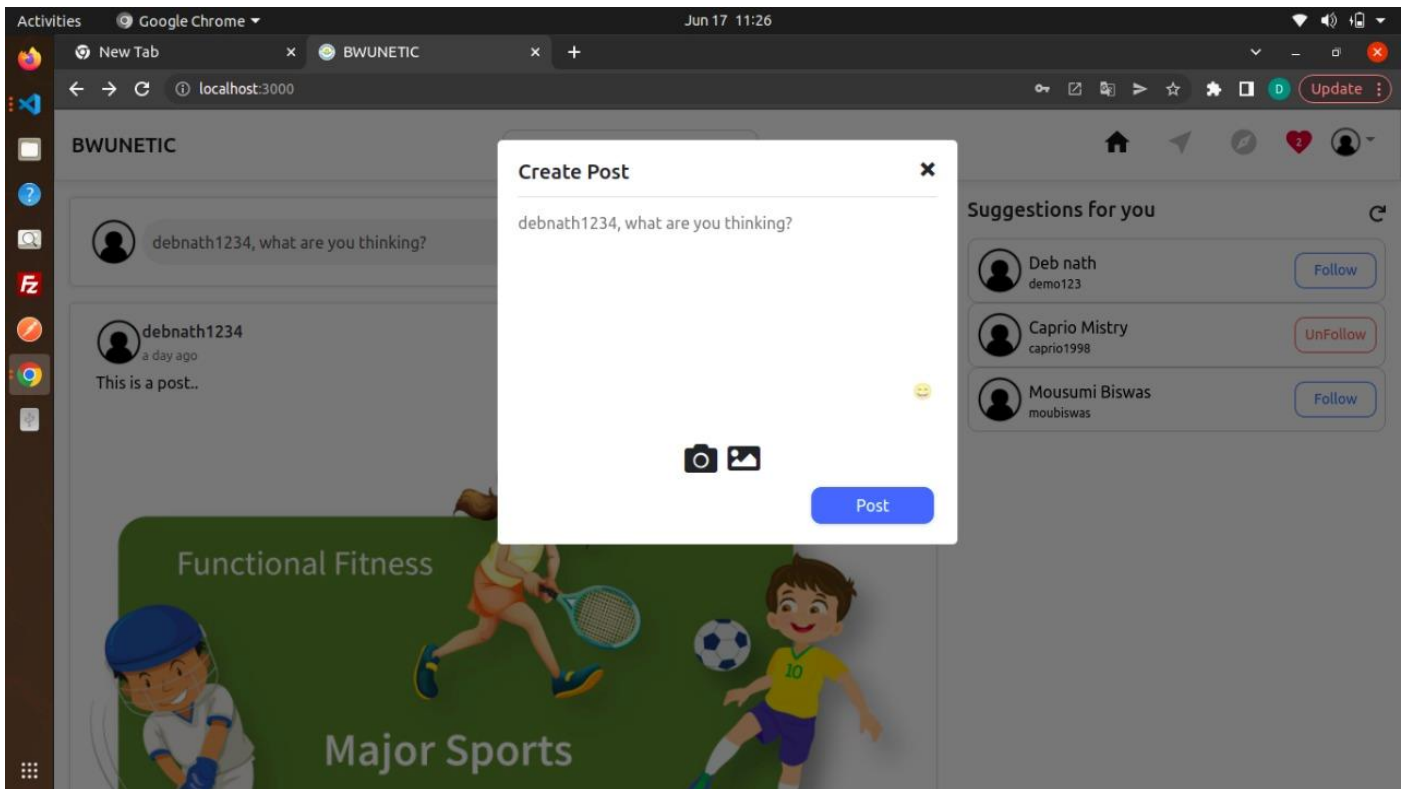
The screenshot shows a web browser window with the address bar displaying 'localhost:3000'. The page title is 'BWUNETIC'. The login form includes the following fields and elements:

- Email address**: A text input field containing 'debajyoti.shape@gmail.com'.
- Password**: A text input field with masked characters and a 'Show' toggle.
- Login Button**: A blue button labeled 'Login'.
- Register Link**: A link labeled 'You don't have an account? Register Now'.

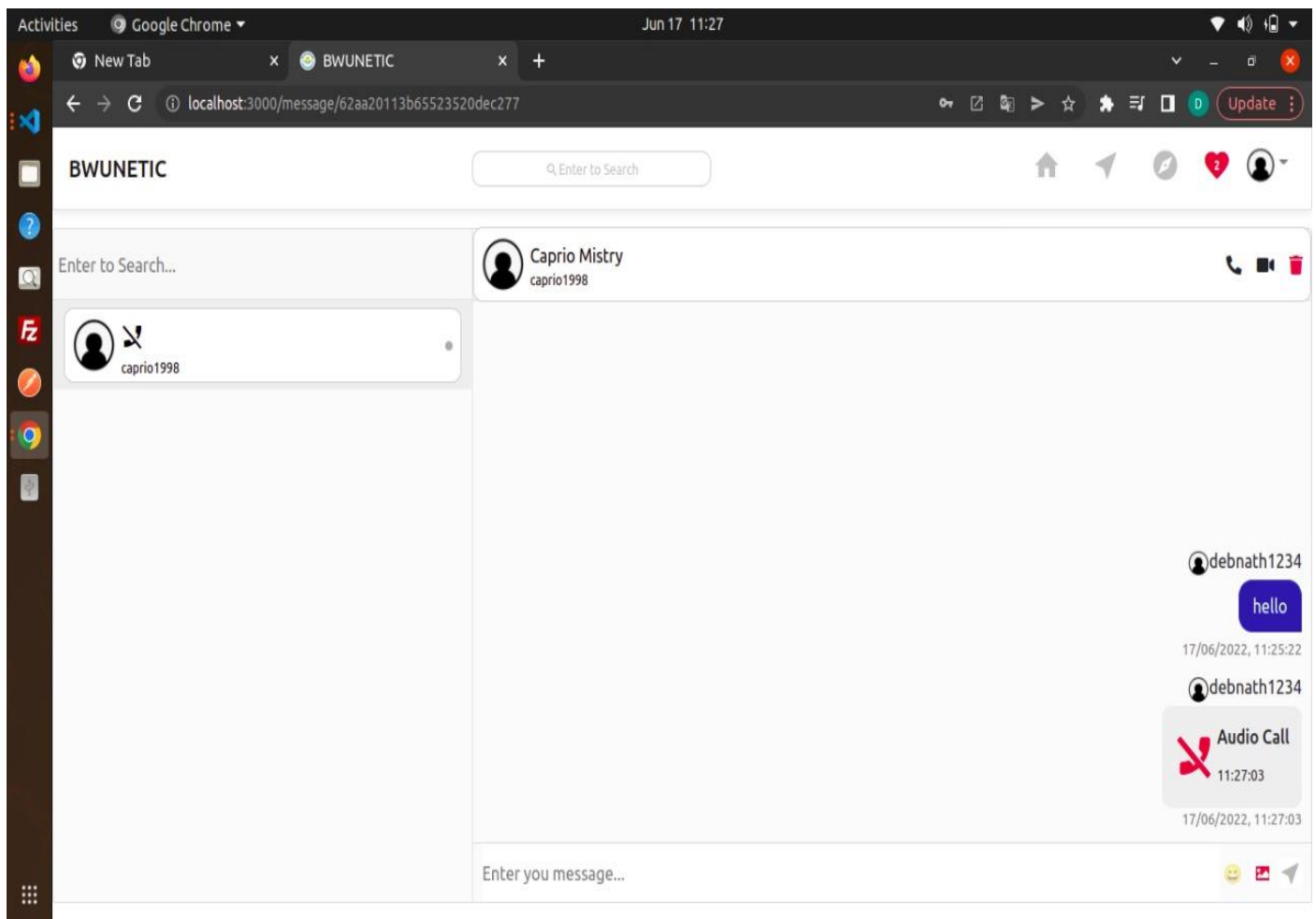
Internal Interface

We can notice there are various sections to see after successfully logging into the BWUNETIC. We've highlighted a few of the features here.

Create post

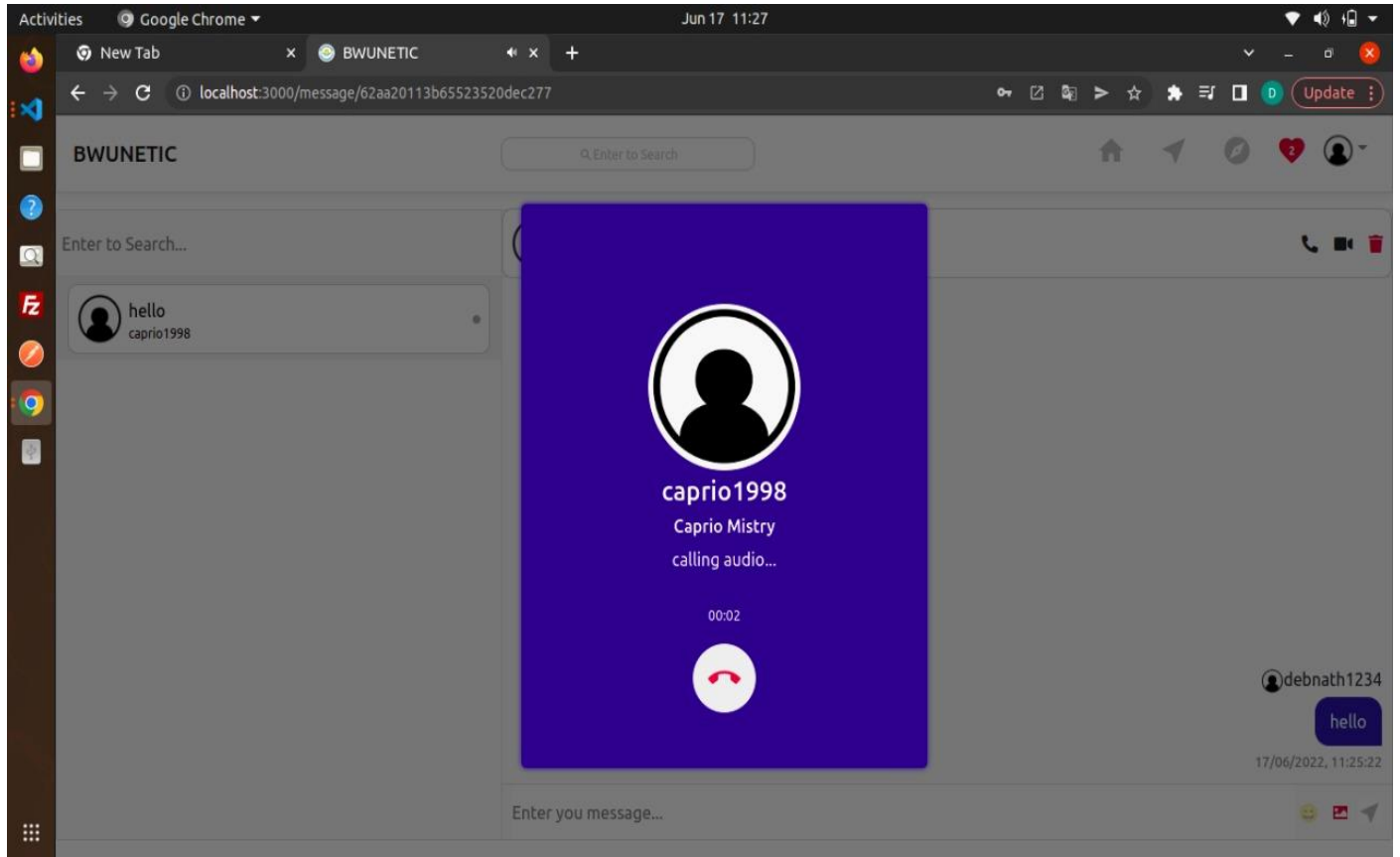


Personal chat



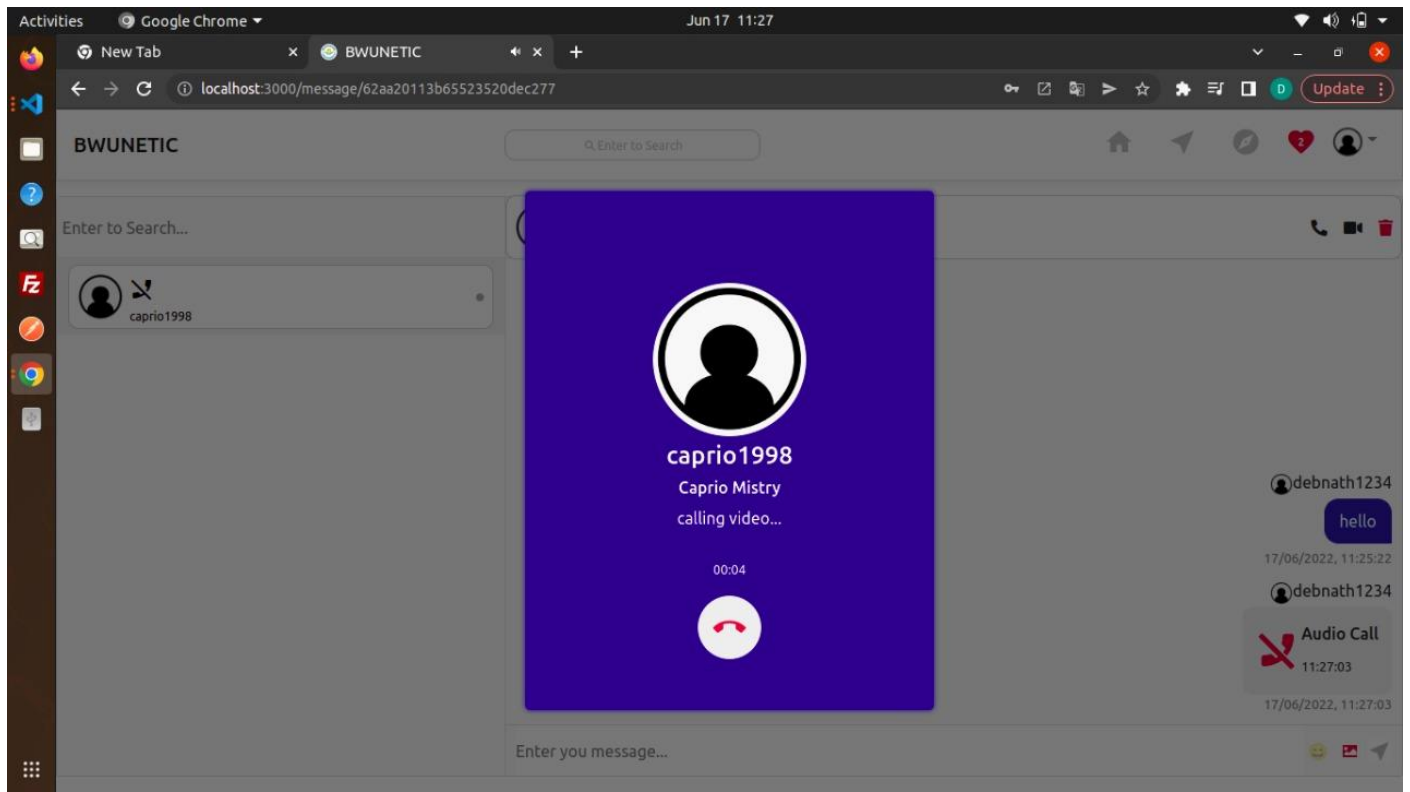


Audio call

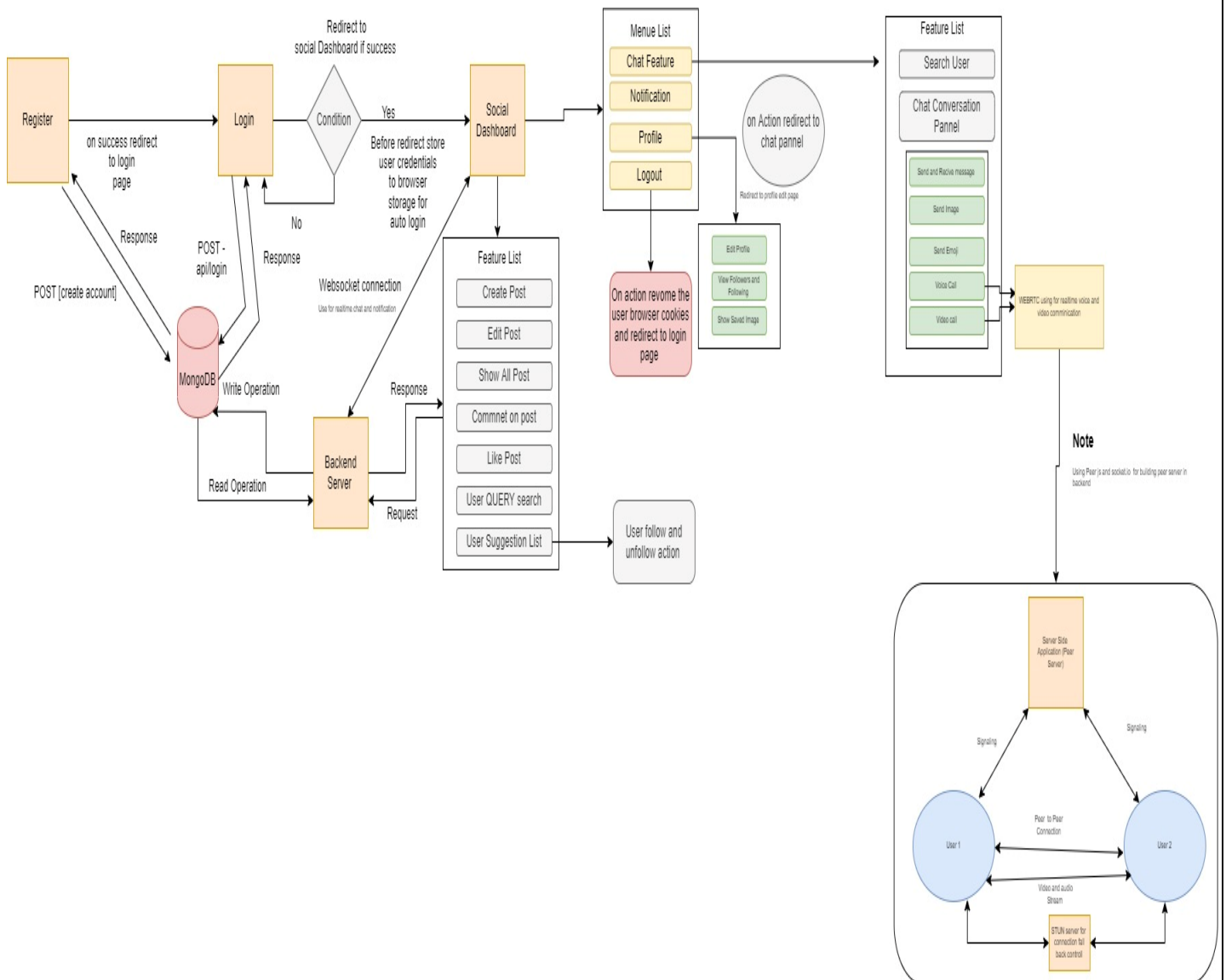




Video call



DATA FLOW DIAGRAM



CONCLUSION

This idea is centered on an in-house social media outlet that students and university personnel may use to learn about various university events, hackathons, social activities, placement drives, fests, and other feasts. It aids in the connection of all of our university's students.

REFERENCES

1. For logo collection: Google (https://logos.fandom.com/wiki/Brainware_University)
2. For Register form Generation: YouTube (www.youtube.com)
3. For Login Page Generation (<https://www.youtube.com/watch?v=OWNxUVnY3pg>)
4. For basic ideas & source (<https://www.youtube.com/watch?v=f7T48W0cwXm>)