# Dharmsinh Desai University, Nadiad

# Faculty of Technology

# Department of Computer Engineering

B. Tech. CE Semester – V

Subject: (CE – 515) Advanced Technologies

**Social media application**

By

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Abstract:-

In this application I am develop social media application. For sharing photos, video and audio.

And user want to see only audio or photo or video user can show that. and user can follow or unfollow other user.

# Introduction:-

First of all user is not log in then enter correct credential then user login if user is new user then user register this application and login. after login user redirect to home page and see all uploaded post. User add new post in application with some description .and uploaded file is show in all post. User find all friend then follow and unfollow a friend .user can show no of followers and following. user edit own profile. and if user want to logout then click logout then user redirect to login page.

In technology I had use angular for frontend and backend nodejs and for database I am using mongo dB database.

# Software Requirement Specifications :-

Angular CLI version :-10.1.2

Node js version:- 12.18.2

Mongo shell version:- v4.2.8

Visual studio for opening a project

# User functionality

**Registrations :-**

user need to create account use this application.

**Input:-** email, password, birthdate, user name

**Output:-** create new account

**Login:-**

After recitation user can login.

**Input:-** email, password

**Output:-**  user redirect to home page.

**Add new post:-**

User can add new post.

**Input:-**  post file and description.

**Output:-**  post is display on home page.

**Add new following :-**

User click on find friend and follow friend.

**input:-** click on follow button.

**Output:-**  followers count increase and following count also increase appropriate user.

**Unfollow user :-**

Remove from my friend

**Input:-** click on unfollow button.

**Output:-** update appropriate count for appropriate user.

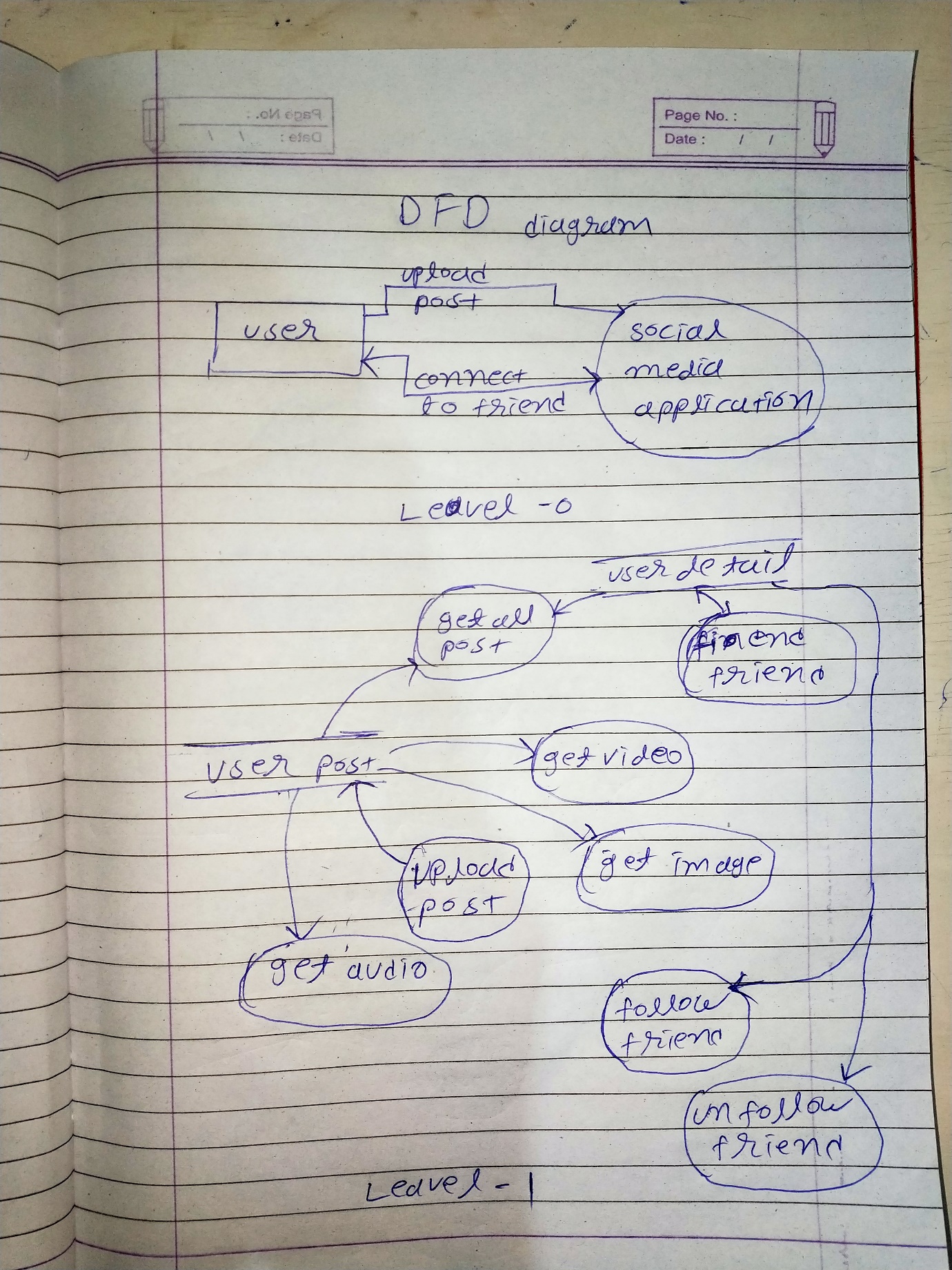
**Edit profile:-**

**Input:-** update provided user detail.

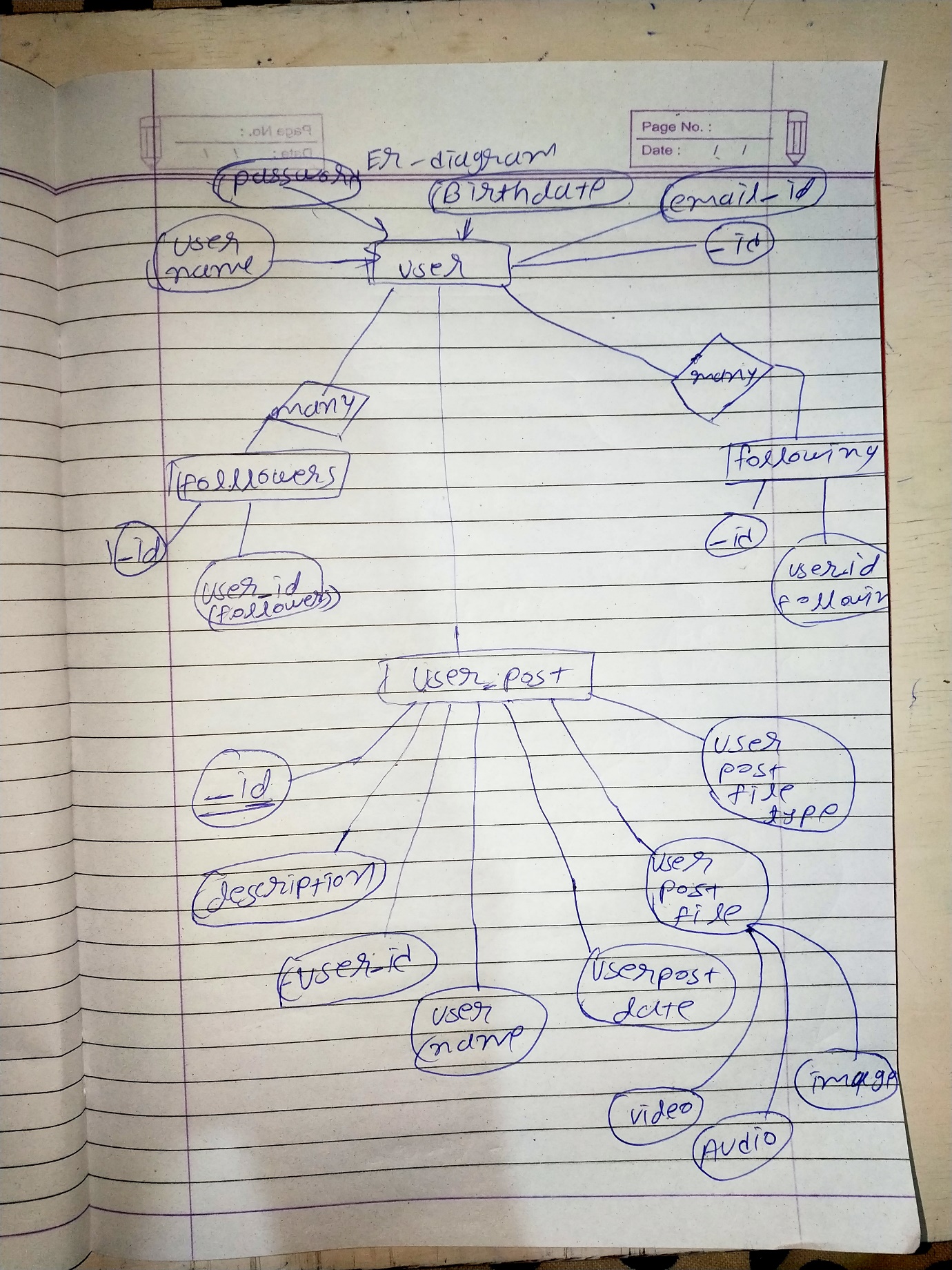
**Output:-** change database and profile is updated.

# Design:-

# DFD diagram



# ER diagram



# Data dictionary:-

**User\_detail** databse

|  |  |
| --- | --- |
| \_id | Unique auto generated |
| Name | String |
| Email | String |
| Password | String |
| Birthdate | Date |
| Followers | Array |
| Following | Array |
| User\_profile\_photo | String |

**User\_post** databse

|  |  |
| --- | --- |
| \_id | Unique auto generated |
| description | String |
| User\_id | String |
| User\_Name | String |
| User\_post\_date | Date |
| Like | Array |
| User\_post\_file\_name | String |
| User\_post\_file\_type | String |
| Comment | Array |

# Implementation Detail:-

**Login-register:-**

In this module I had implement login and register form. register form add data to data base and login data for validate and set appropriate name and user id cookies

**Navigation-bar :-**

In this model navigation bar and logout button.

**Home-page:-**

In home page page divide into 3 phase 2 is side bar and 1 is output of side bar as per routing ling is changed.

**First-page:-**

In this all user post are display.

**Add-newpost:-**

This model 2 filed 1 is description 2 is file upload filed. User can post a new post using this filed.

**My-profile:-**

In this user can edit own profile and user can see no of follows and no of following.

**Fiend-friend:-**

User can follow other people. Display all people those user not follow.

**Post-video:-**

User see all video available in the application.

**Post-photos:-**

This module display all photos.

**Post-audio:-**

Display only audio.

**Myfriend:-**

Display all friends that user follow in this module. user want to unfollow some user then user can unfollow other people.

**About-us:-**

This module is show basic detail about me.

**Contact us :-**

In this one text box for email. text area for description.

**Logout:-**

Using this user can logout.

# Major functionality: -

Getfriend(id):-

Return a specific user detail pass by id

Add\_unfollowe(data):

Unfollow specific user and update follow and following array in user detail.

User\_authen(data):

User authentication for login purpose.

Creatuserdetail(data):

Creat new user.

Get\_user\_detail()

Get all user detail.

Add\_follow(data):

Update followers arrary.

Update\_user\_detail(id,data):

Update specific user detail. For edit your profile.

Create\_post(data):

Create new user post. For add new user post.

Getuser\_posts()

Get all post. For display all post.

Getuser\_post(id):

Get specific post.

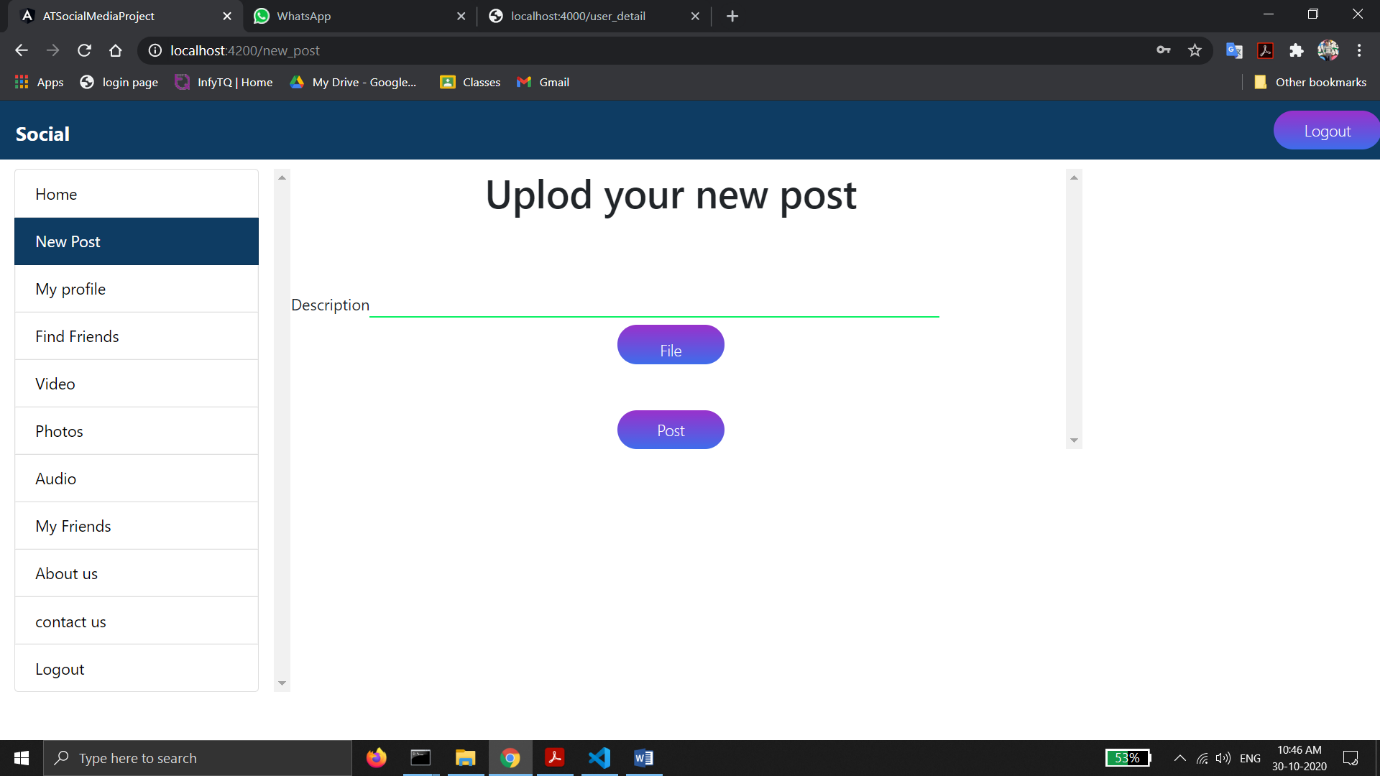
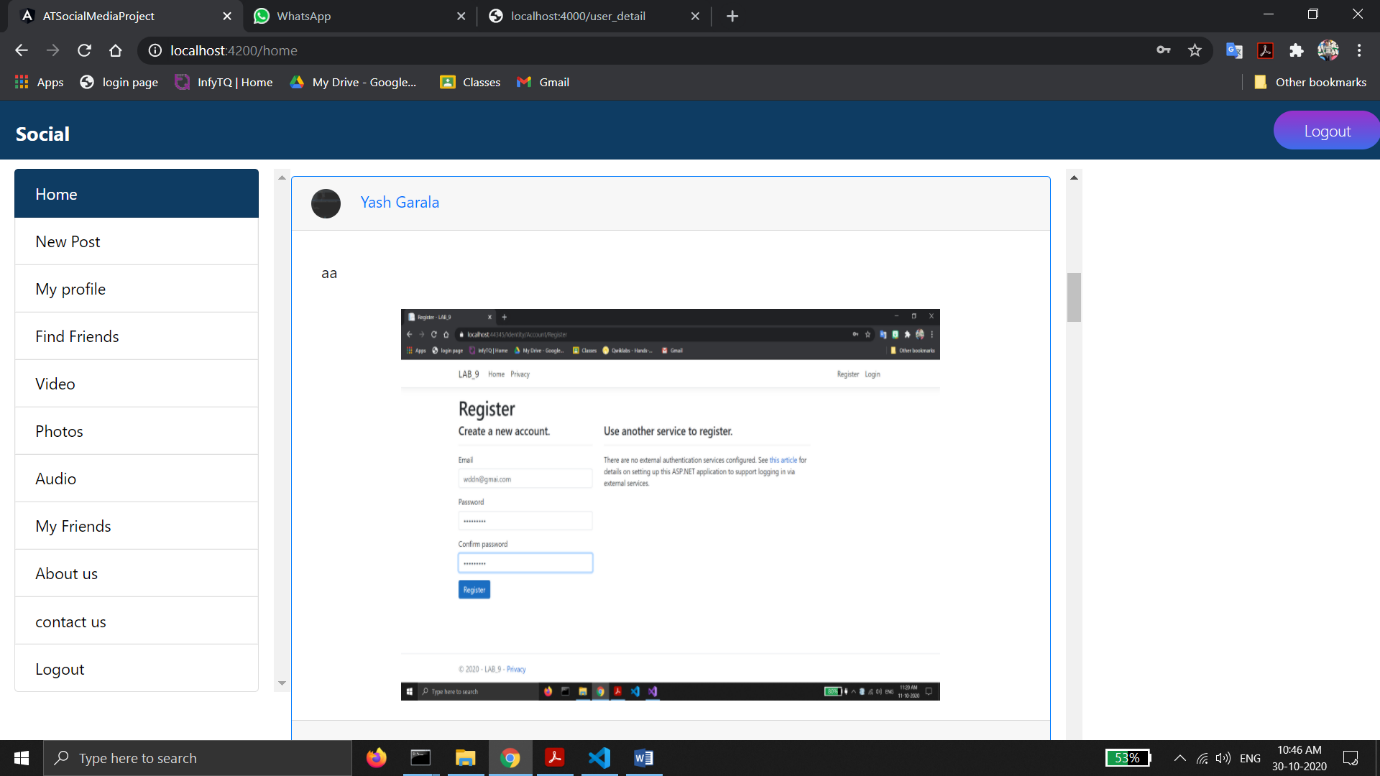
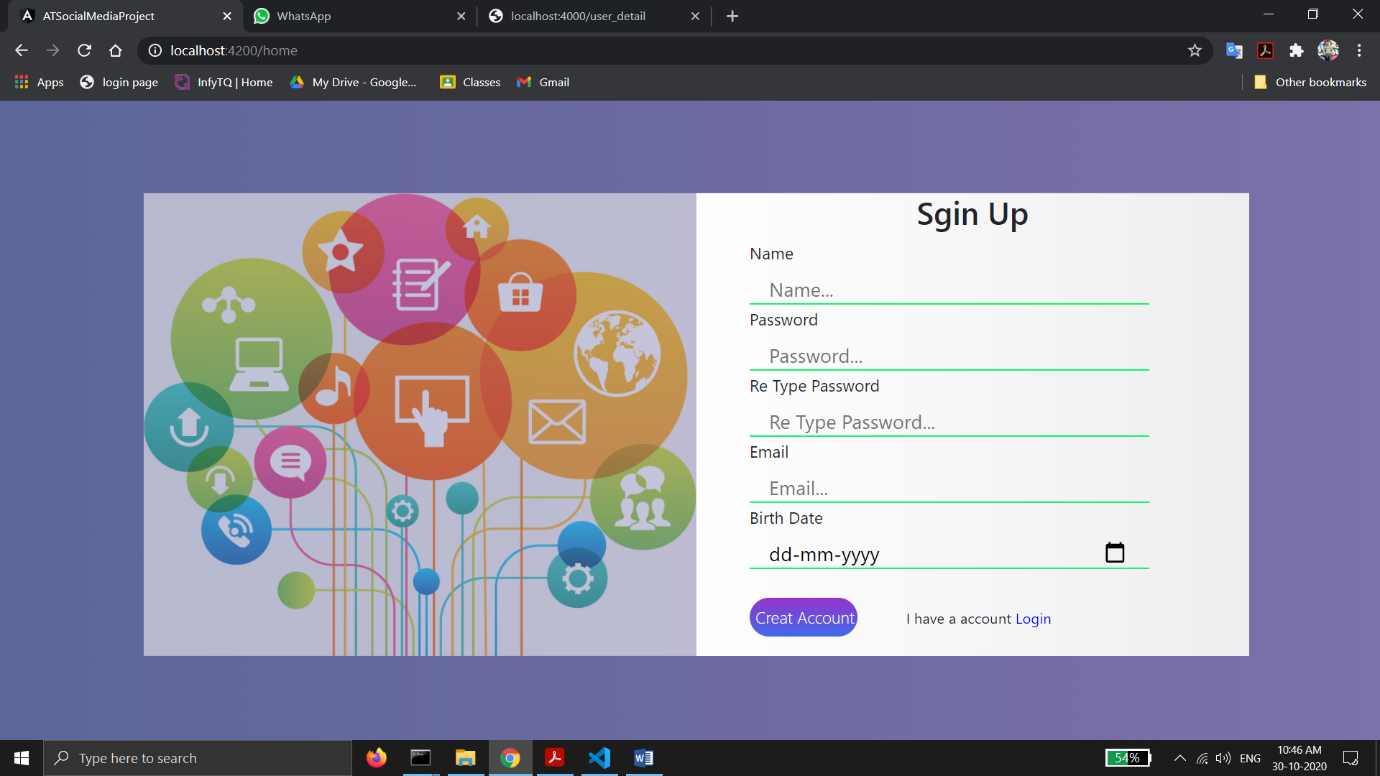
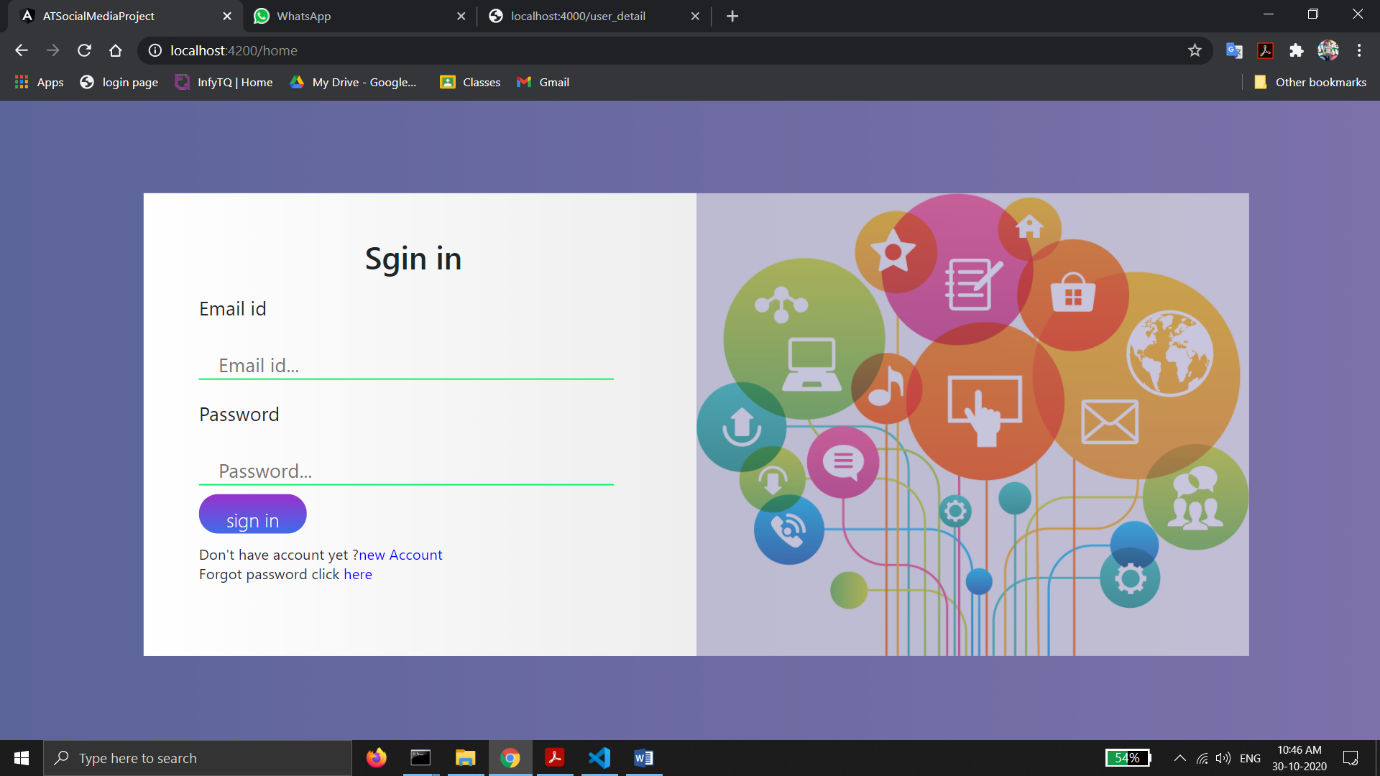
# Testing : -

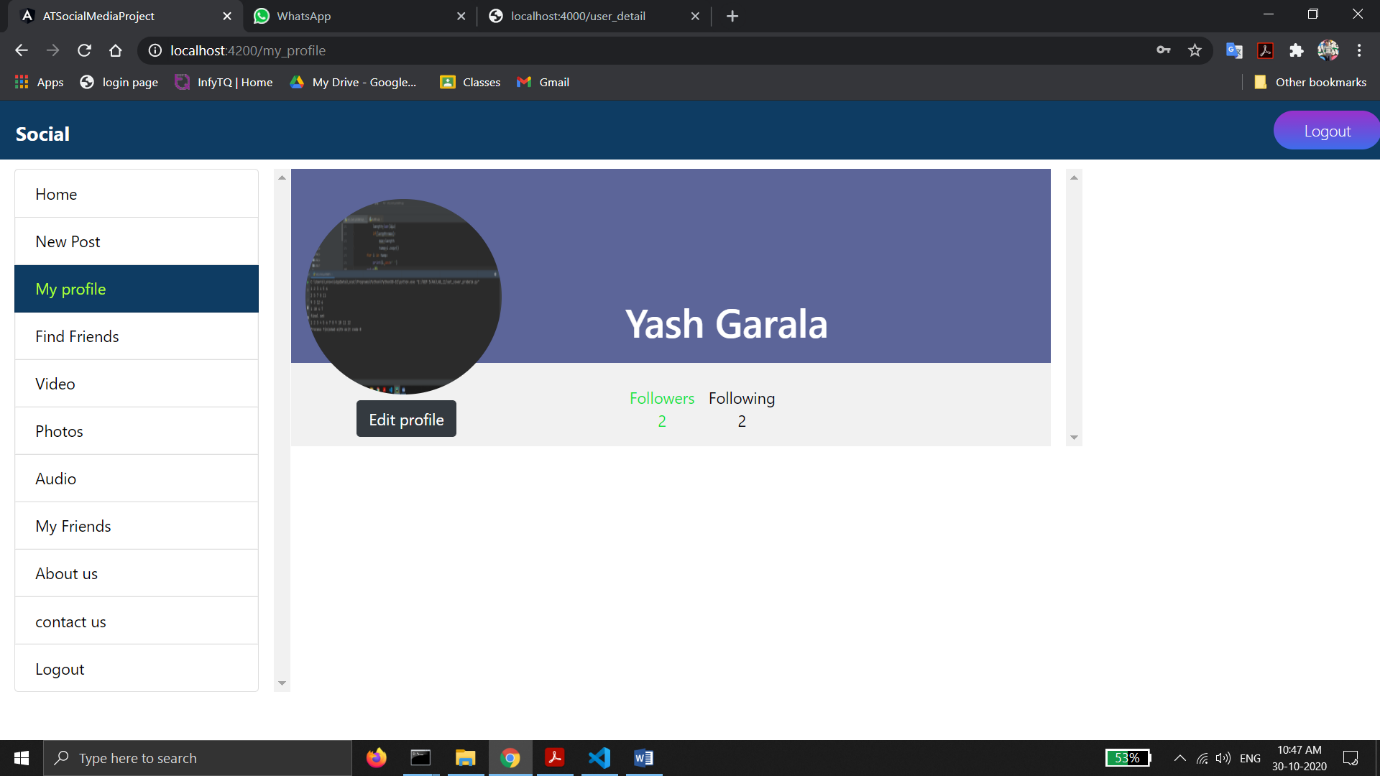
For frontend design we user chrome browser

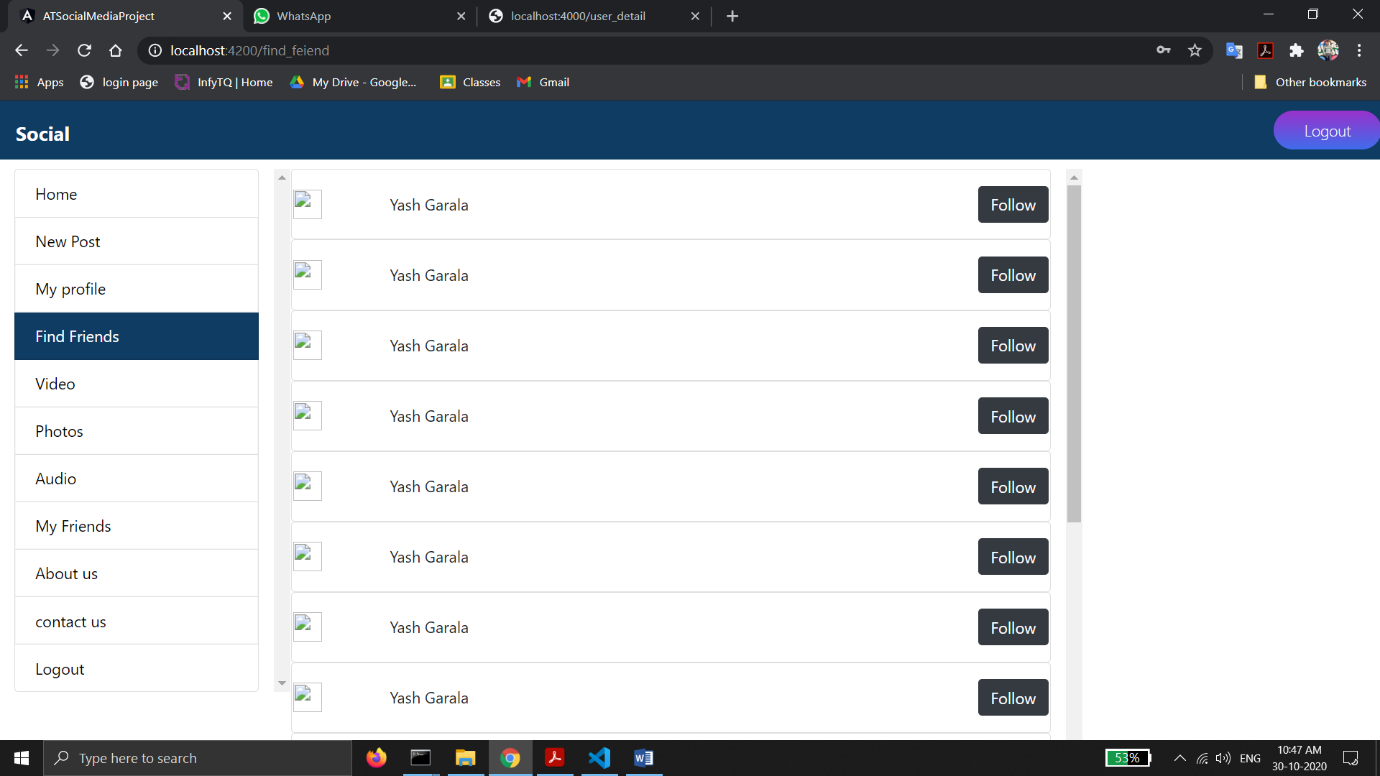
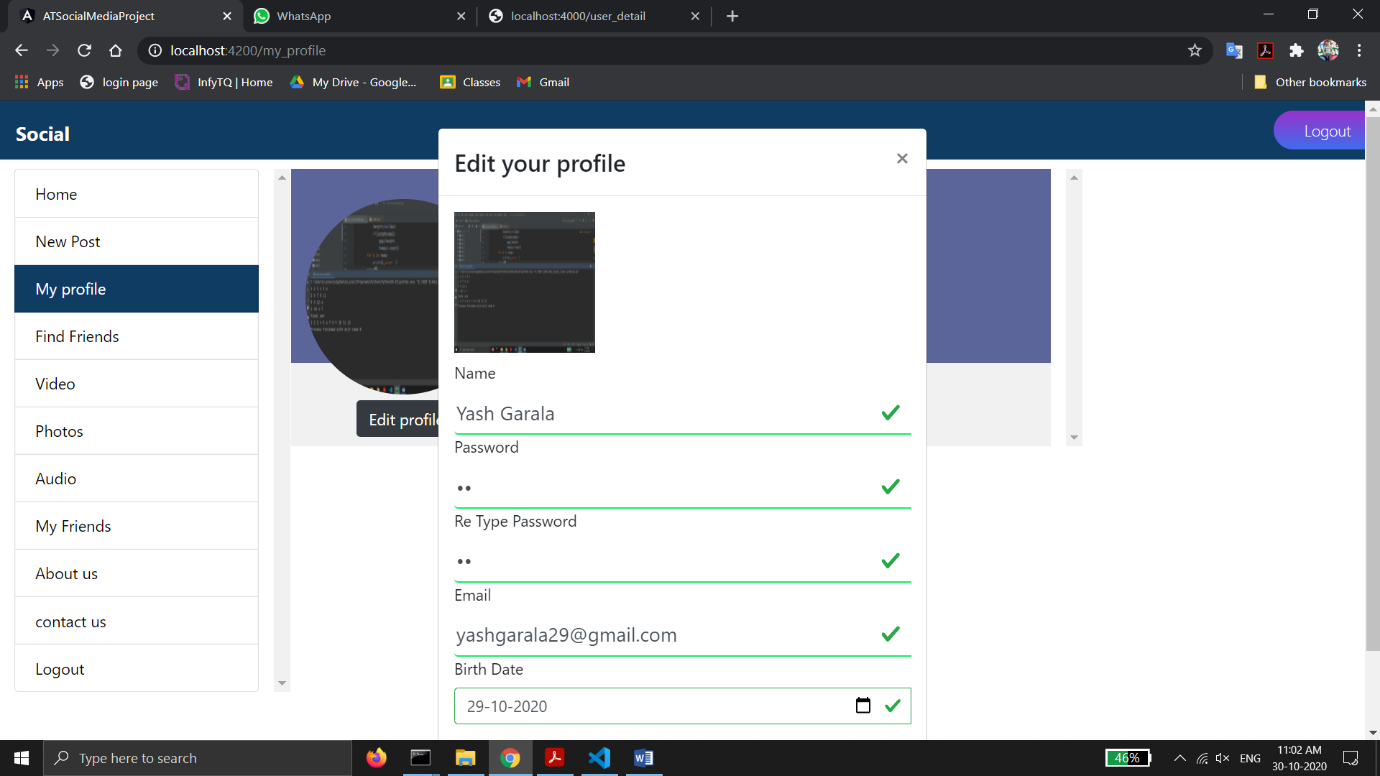
Back end node server

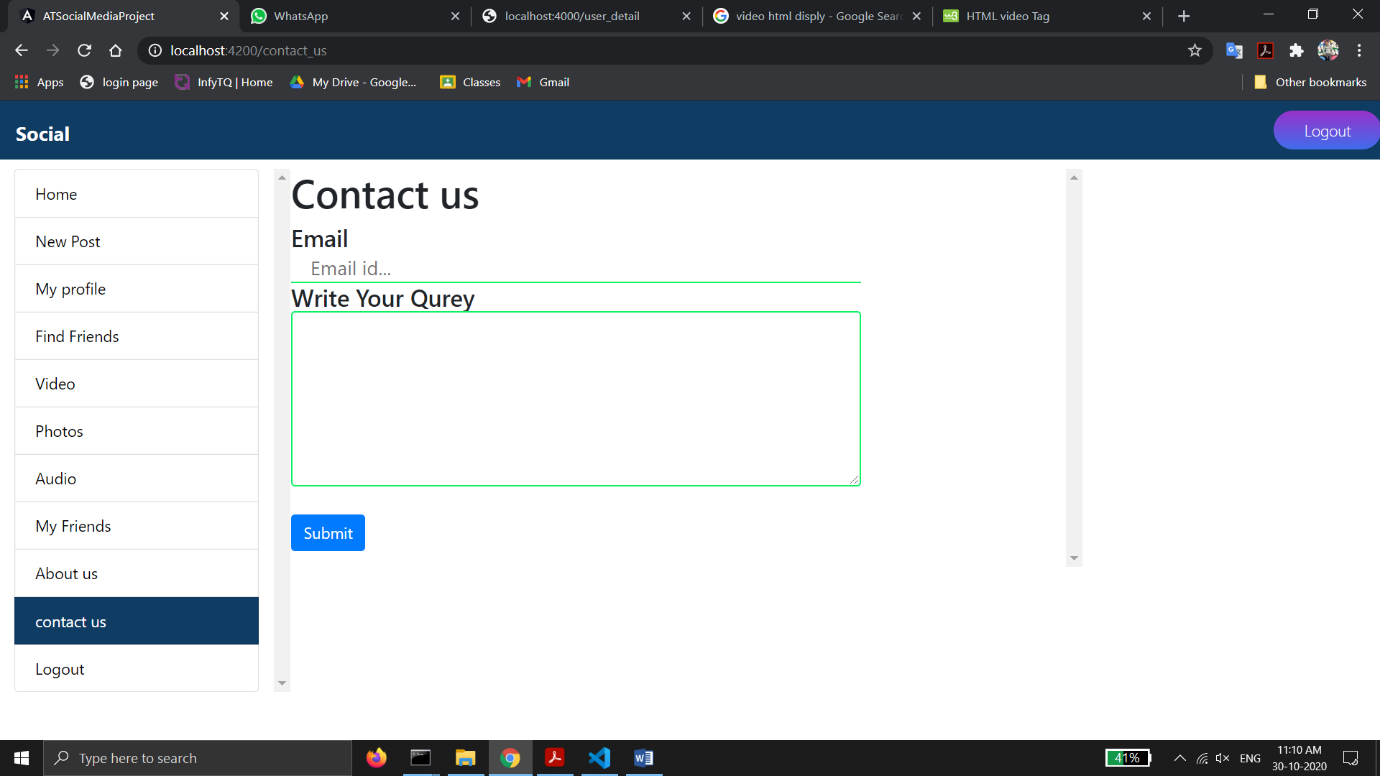
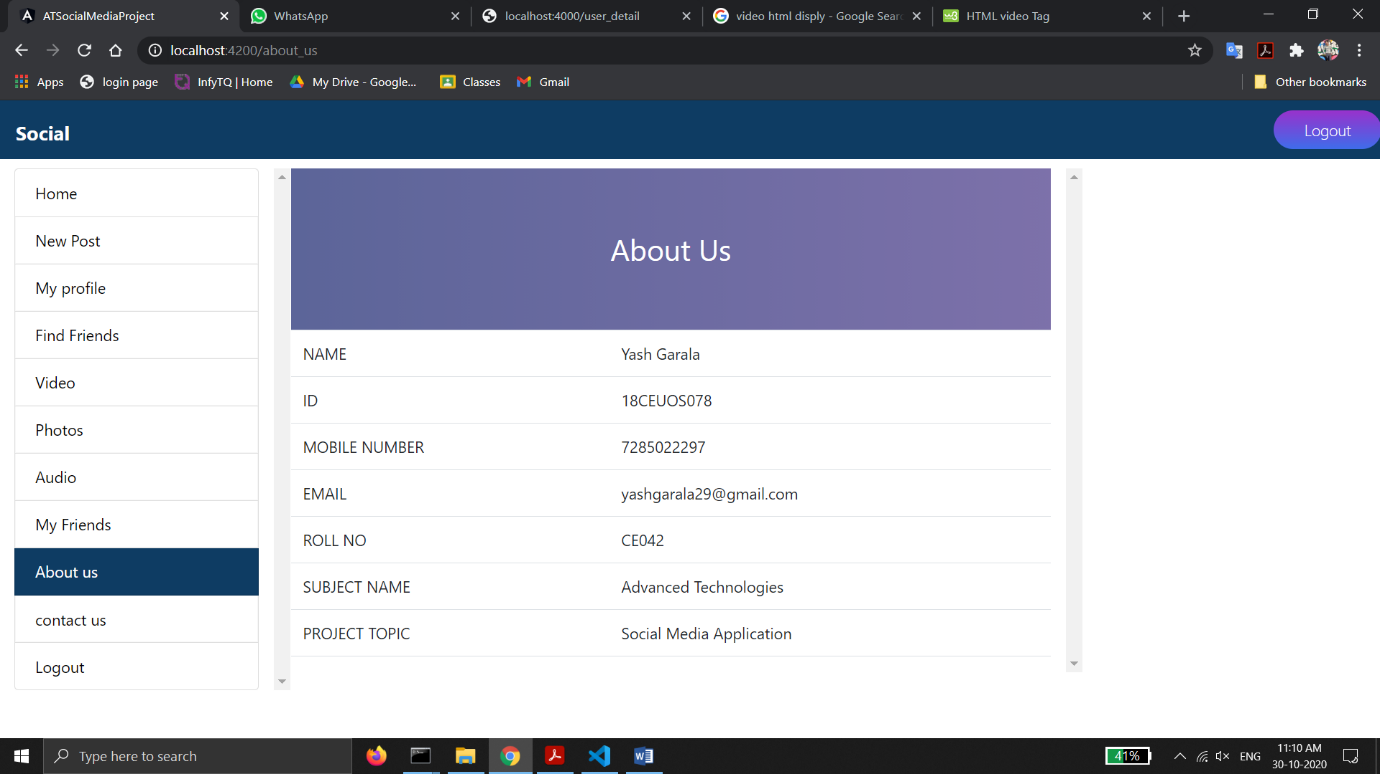
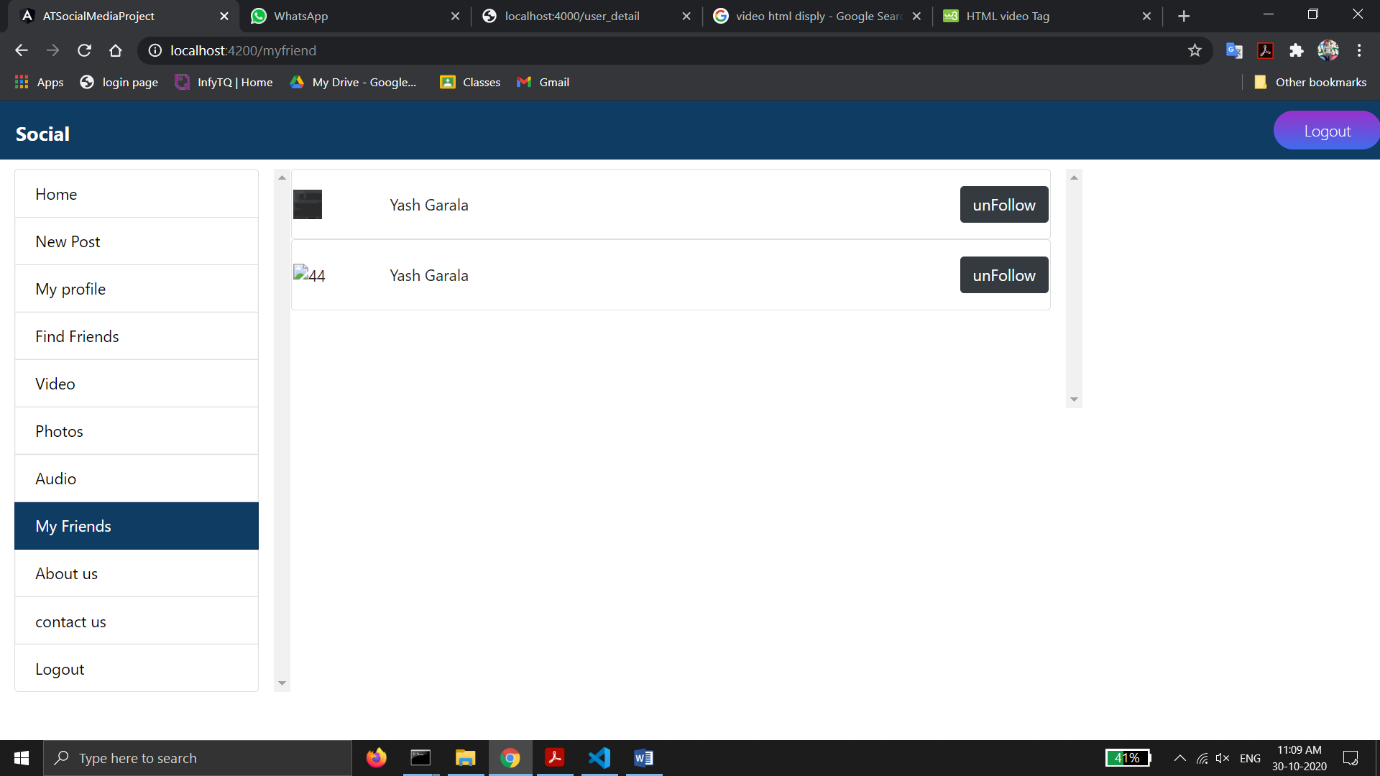
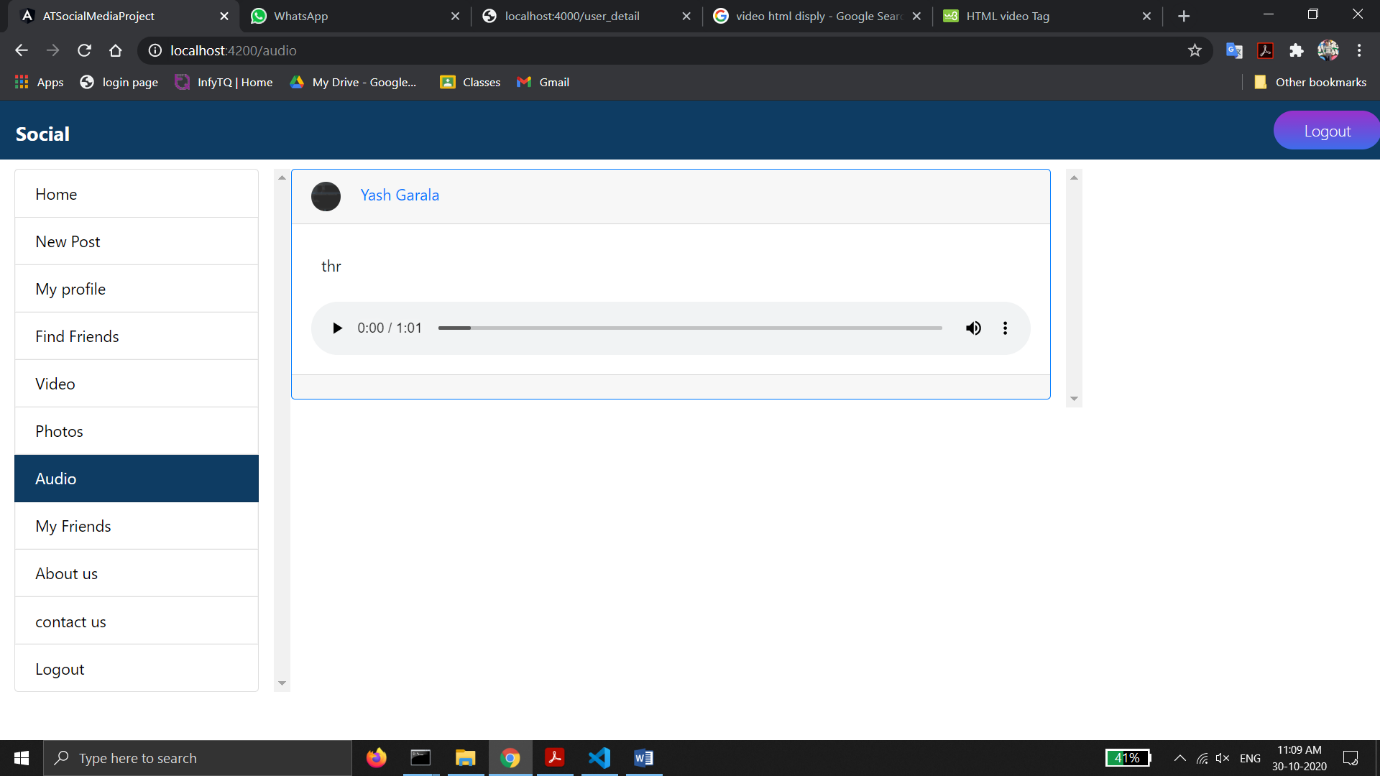
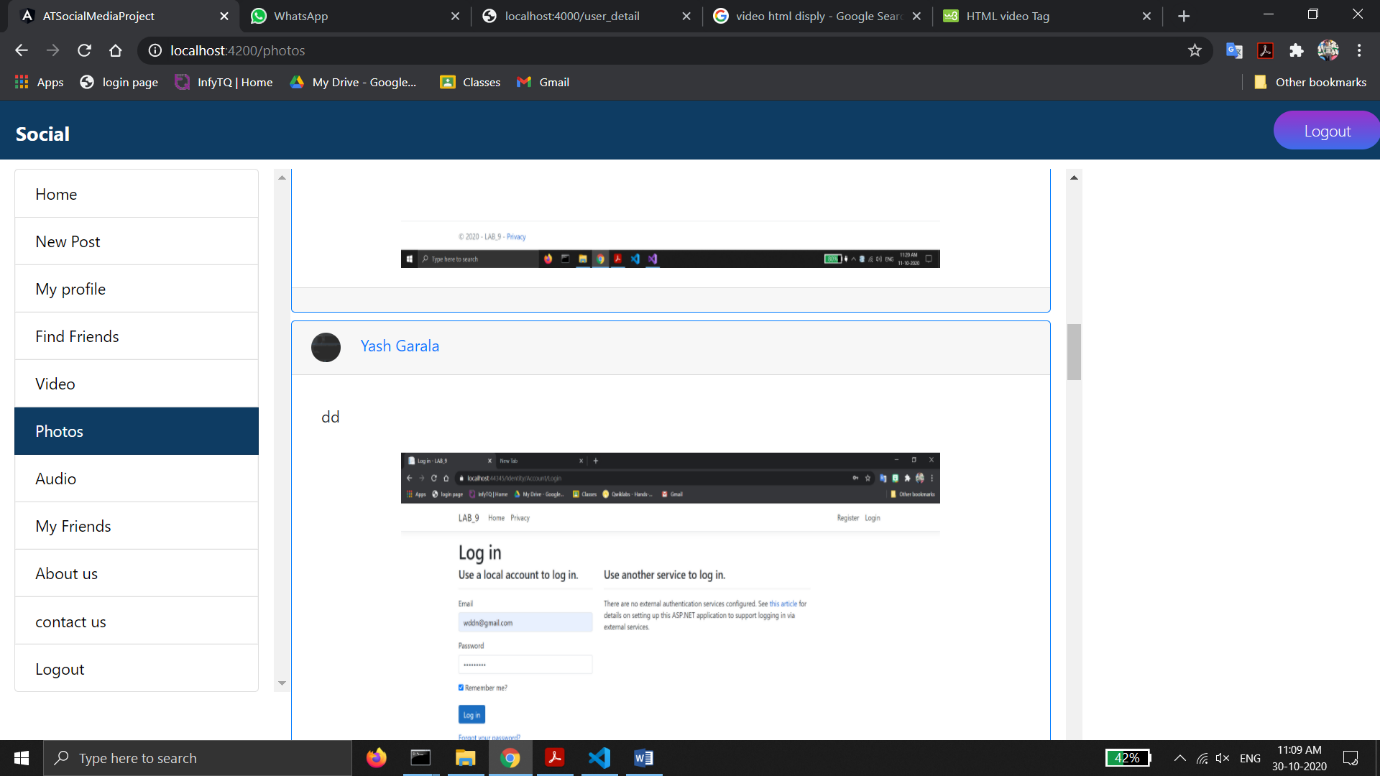
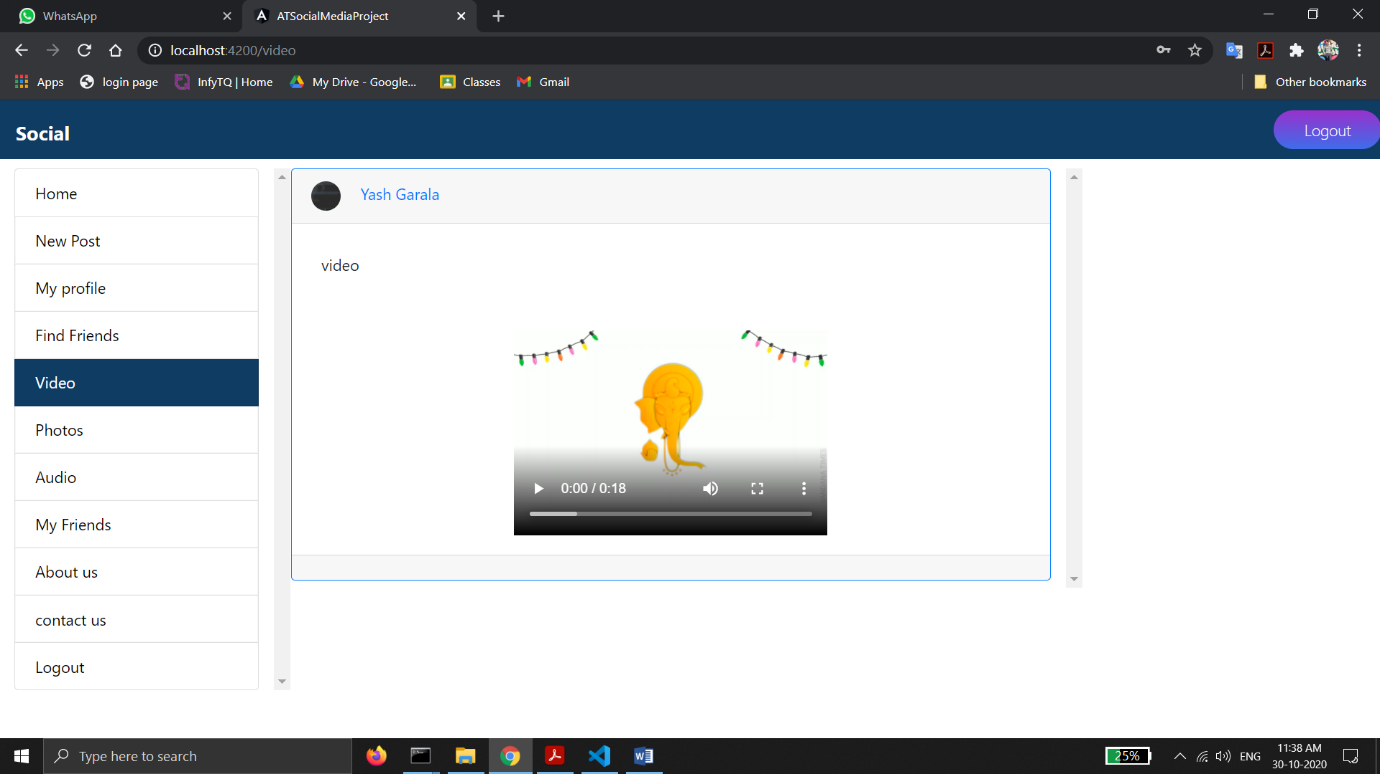
|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Module name** | **Field Input** | | **Expected output** | | **Actual output** | |
| Login | Username & Password (true input) | | Redirect to Home page | | Redirect to Home page | |
| Login | Username & Password (wrong password) | | Stay to login page | | Stay to login page | |
| Add new post | Add appropriate data(video, audio, image ) |  | Display post on home page |  | Display post on home page |  |
| Add new post | User not add appropriate data(video, audio, image ) | | Post is not display on home page | | Post is not display on home page | |
| Follow and unfollow | Click on appropriate button | | User follow and unfollow | | User follow and unfollow | |

# Screen shots









# Conclusion:-

I was implemented login and logout functionality , add new post, follow and unfollow user. user can edit own profile. See no of followers and following. We can see all post separately like 3 section 1). Only video 2). Only photo 3). Only audio.

# Limitation and Future Extension:-

In this project I will extend add more functionality for example like, comment, user can see only friend post user an not see other user application.

**Limitation :-**

In new post user must upload image, audio and video. must insert description in description field.

# Bibliography:-

* Google
* PMJ sir ppt
* W3 schools
* stackoverflow