

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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**Faculty of Technology**  
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## **CERTIFICATE**

This is to certify that the practical / term work  
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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.

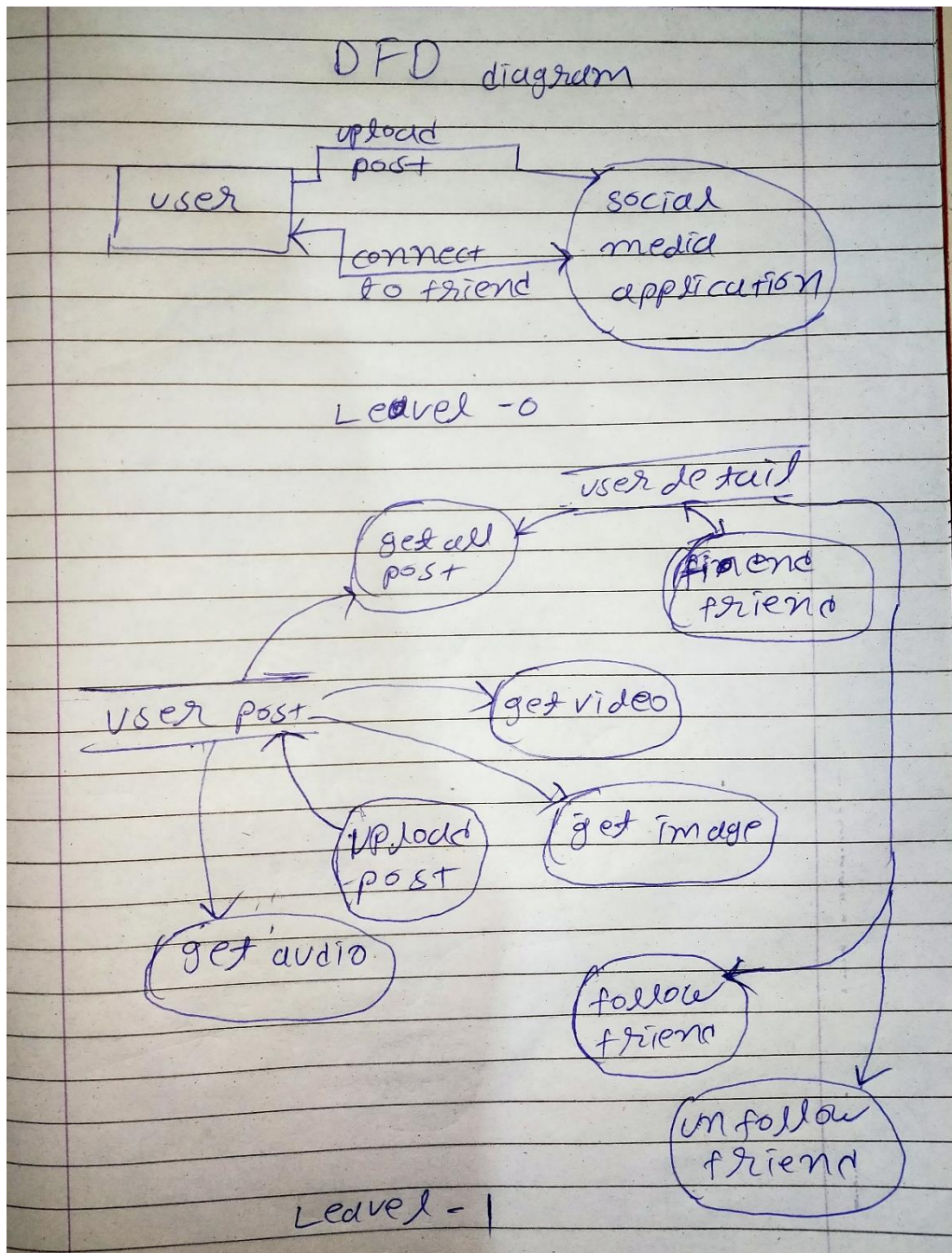
**Edit profile:-**

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

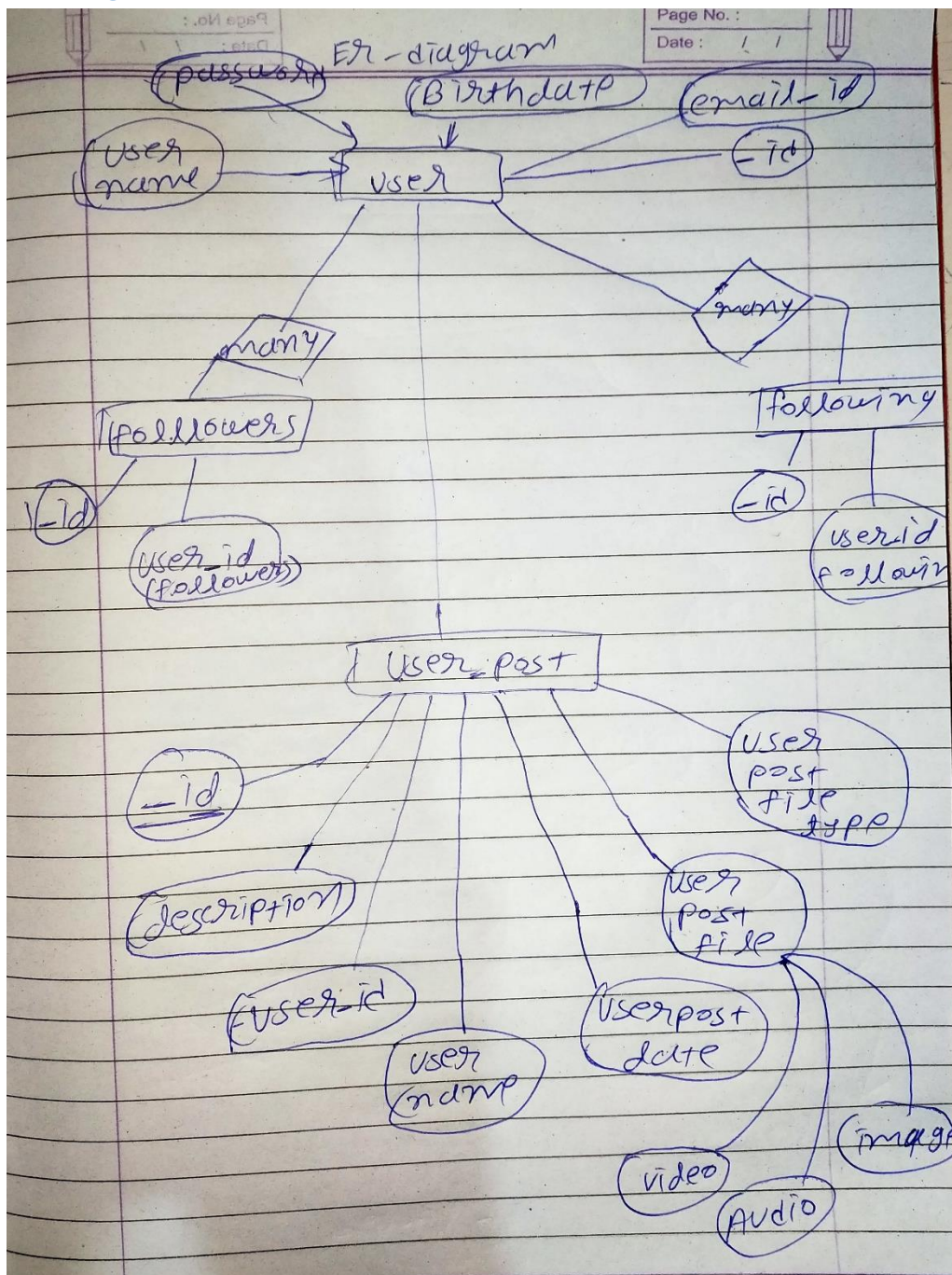
**Output:-** change database and profile is updated.

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 array.

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.

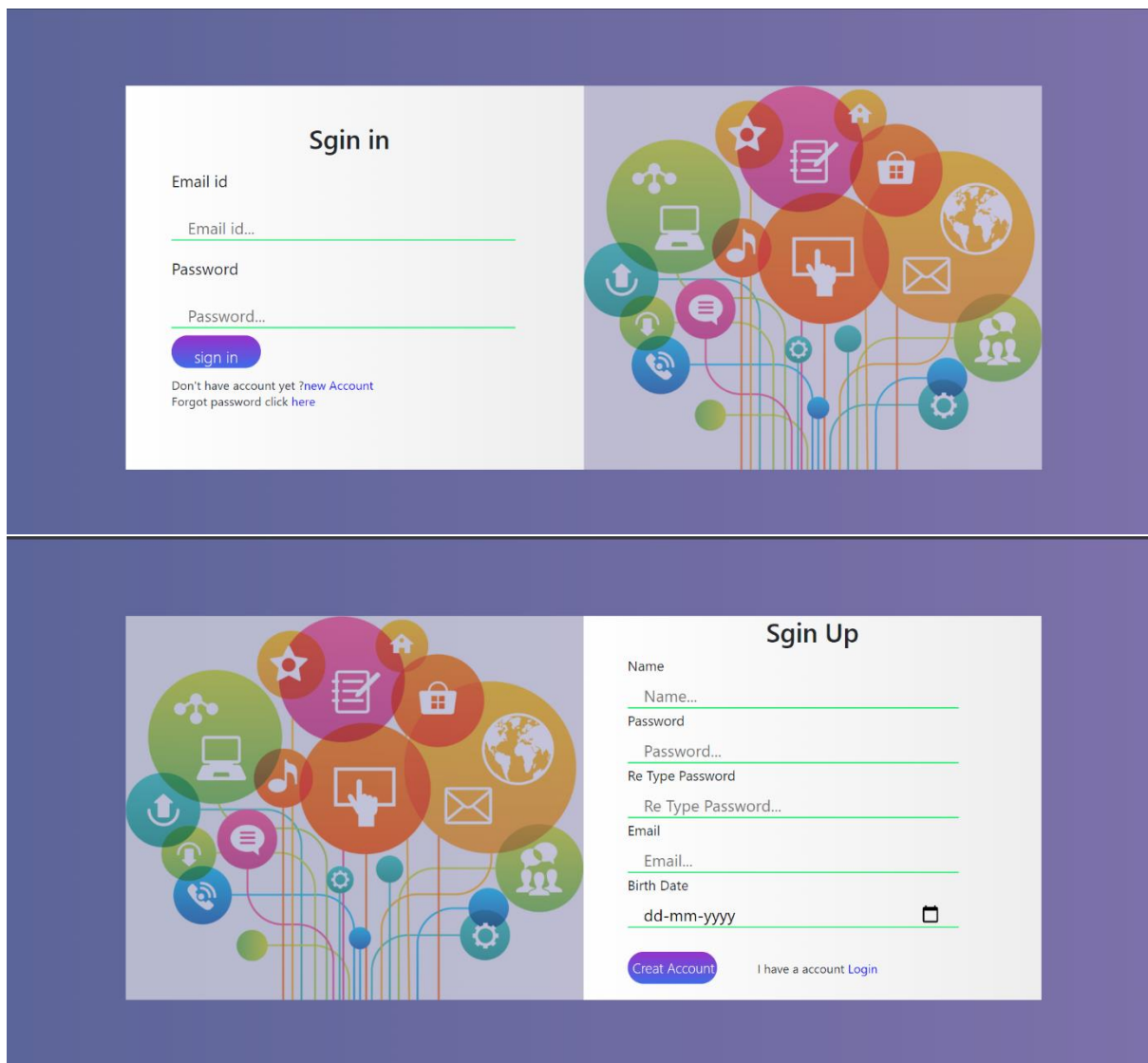
## Testing : -

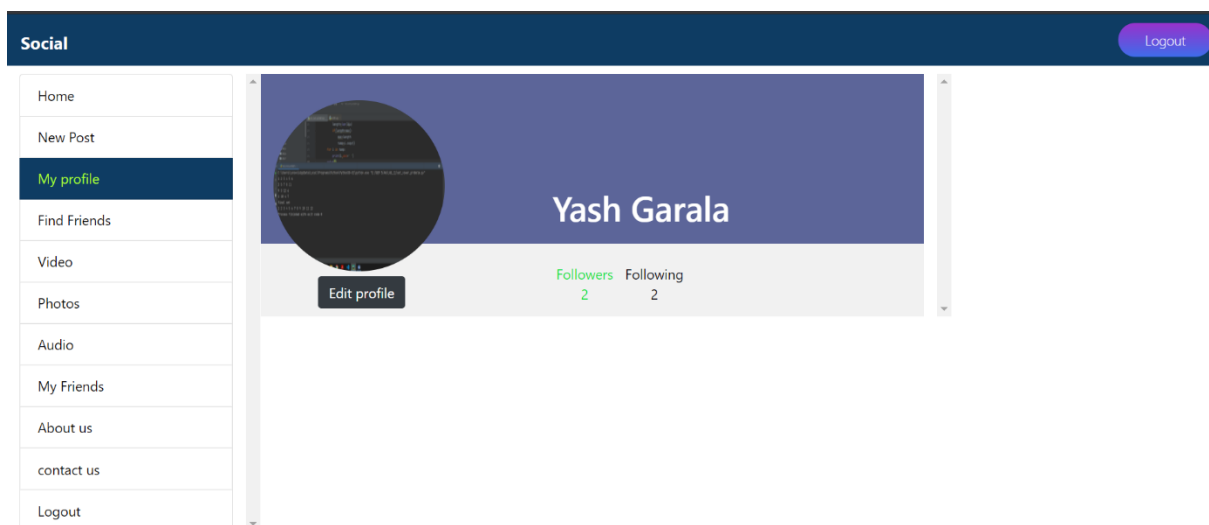
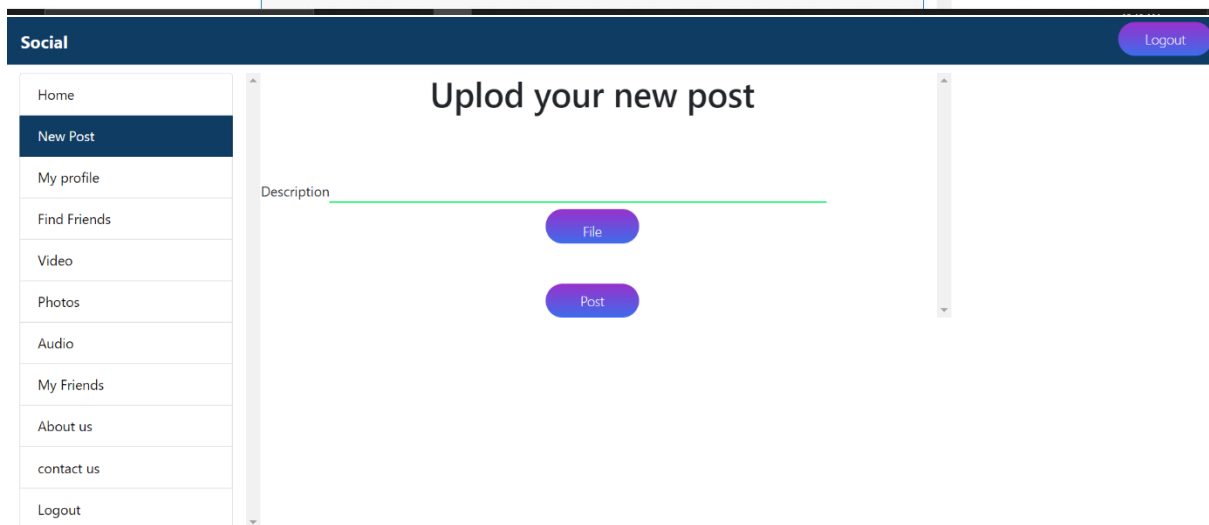
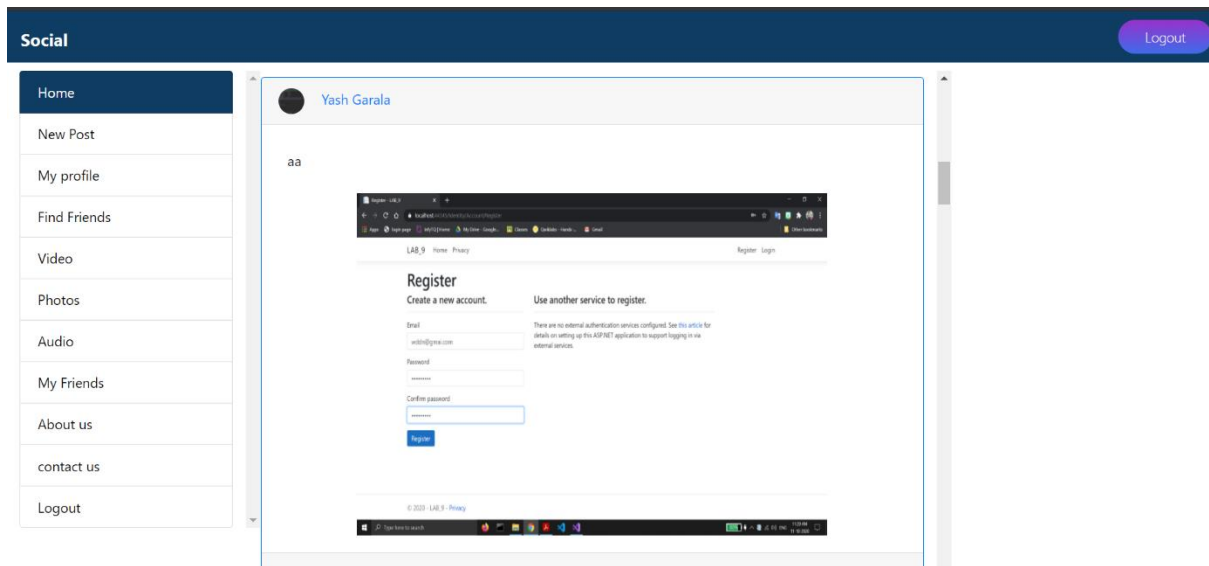
For frontend design we use chrome browser

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





Social

Home

New Post

My profile

Find Friends

Video

Photos

Audio

My Friends

About us

contact us

Logout

Edit profile

Edit your profile

Name

Yash Garala

✓

Password

••

✓

Re Type Password

••

✓

Email

yashgarala29@gmail.com

✓

Birth Date

29-10-2020

✓

Social

Home

New Post

My profile

Find Friends

Video

Photos

Audio

My Friends

About us

contact us

Logout

	Yash Garala	Follow
	Yash Garala	Follow
	Yash Garala	Follow
	Yash Garala	Follow
	Yash Garala	Follow
	Yash Garala	Follow
	Yash Garala	Follow
	Yash Garala	Follow

Social

Logout

Home

New Post

My profile

Find Friends

Video

Photos

Audio

My Friends

About us

contact us

Logout

Yash Garala

video

Social

Logout

Home

New Post

My profile

Find Friends

Video

Photos

Audio

My Friends

About us

contact us

Logout

Yash Garala

dd

Social

Logout

Home

New Post

My profile

Find Friends

Video

Photos

Audio

My Friends

About us

contact us

Logout


Yash Garala


thr



Social Logout

Home
New Post
My profile
Find Friends
Video
Photos
Audio
My Friends
About us
contact us
Logout


Yash Garala
unFollow


Yash Garala
unFollow

Social Logout

Home
New Post
My profile
Find Friends
Video
Photos
Audio
My Friends
About us
contact us
Logout

About Us

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ROLL NO	CE042
SUBJECT NAME	Advanced Technologies
PROJECT TOPIC	Social Media Application

Social Logout

Home
New Post
My profile
Find Friends
Video
Photos
Audio
My Friends
About us
contact us
Logout

Contact us

Email

Email id...

Write Your Qurey

Submit

## 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