MINI PROJECT – II
(2020-21)

SayIt- A Social Networking Website

MID TERM REPORT

Institute of Engineering & Technology

Team Members

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Introduction

General Introduction to the topic

Social media helps you humanize a brand and build genuine relationships with your community. It shortens the distance from your audience, especially when you address them from personal accounts. Social media is a buzz system. The group members know php basics so by making this project, we want to enhance our skills and master php in a well oriented manner. Social Networking website is the best basic project anyone can start with, so we selected this topic, to study the algorithms involved in social networking.

Area of Computer Science

The computer has brought revolution in every sphere of human life, whether it is business, education field, governance, medical science etc. The computer has reduced the human work load, businesses are going global and everything is available at the click of mouse. Also, it helps to connect the people with their friends and relatives even when they are at a distance of thousands of kilometers. In this way, the people are aware of the current affairs currently going on at the moment. They are keep informed of every moment of their friends and relatives.

Hardware and Software to be used

a. *Hardware**:***

- Minimum 8GB Ram
- Disk Space 25GB

b. *Software*:

- Sublime Text Editor
- XAMPP Apache Server

Problem Definition

The computer has brought revolution in every sphere of human life, whether it is business, education field, governance, medical science etc. The computer has reduced the human work load, businesses are going global and everything is available at the click of mouse. Social media is a two-way channel where you have an opportunity to build a rapport with your clients and prospects. These platforms are not about amazing sales pitch you deliver to the audience. Social networking is all about interactions and an open dialogue with users. Social Networking sites are not only for you to communicate or interact with other people globally but this is also one effective way for business promotion. A lot of business minded people these days are doing their business online by sharing about their particular domain through posts.

Objectives of the project

The main objectives of the project are as follows:

• To help the people to connect with their friends.

• To manage the details of all the users registered on the site along with the details about their posts, the people they follow and all other aspects.

• To help the business-minded people in their business. The people can posts about their domains and then can connected globally with other peoples.

• To reduce the manual work of managing the details of the people who use this particular site.

Methodology

We are using PHP programming(scripting) language to implement this project. The resultant will be the web page which will run on local server(XAMPP).We are using MySql to create the database and use it for further purposes. We will integrate the database with the backend with the help of php my admin. First a user has to sign up on this platform if he/she doesn't have an account, otherwise they can login to their account.

The modules involved in this website are as follows:

1. Building user's features.
2. Creating newsfeed(About the posts and tweets).
3. Creating interaction system(Follow/Unfollow).
4. Creating messaging system
5. Creating trends system(Trending posts)
6. Creating notification system(for activity).

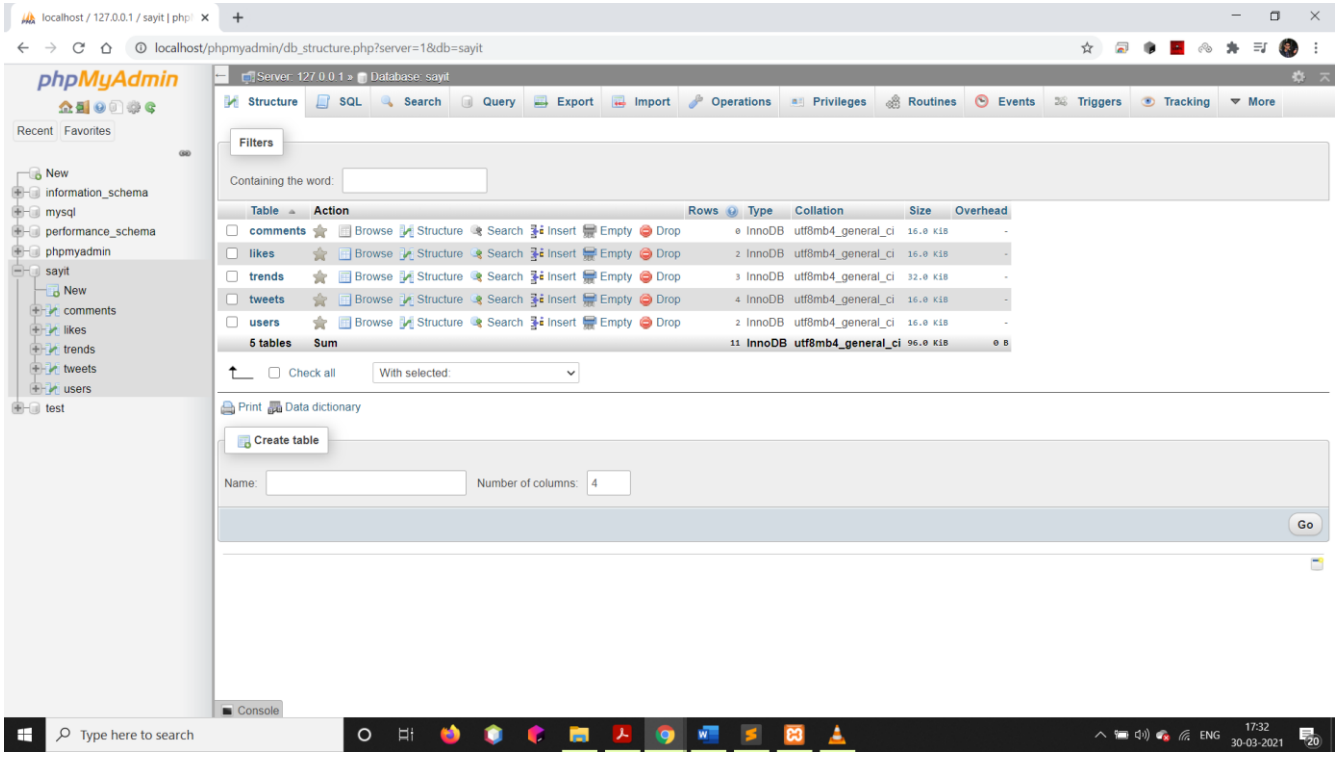
Implementation Details

We have implemented our project using PHP scripting language. The database used is MySQL (phpMyAdmin). HTML and Javascript are also used for frontend and backend development respectively. We are using XAMPP as our local server to run the project. We have used PDO(php data object) to connect to our database.

XAMPP is an abbreviation where *X stands for Cross-Platform, A stands for Apache, M stands for MySQL, and the Ps stand for PHP and Perl*, respectively. It is an open-source package of web solutions that includes Apache distribution for many servers and command-line executables along with modules such as Apache server, MariaDB, PHP, and Perl.

PDO refers to **PHP Data Object**, which is a PHP extension that defines a lightweight and consistent interface for accessing a database in PHP. It is a set of PHP extensions which provide a core PDO class and database-specific driver. Each database driver can expose database-specific features as a regular extension function that implements the PDO interface.

```
$dsn = 'mysql:host=localhost; dbname=SayIt';
$user = 'root';
$password = '';
$BASE_URL = ‘http://localhost/php projects/SayIt/’;
```



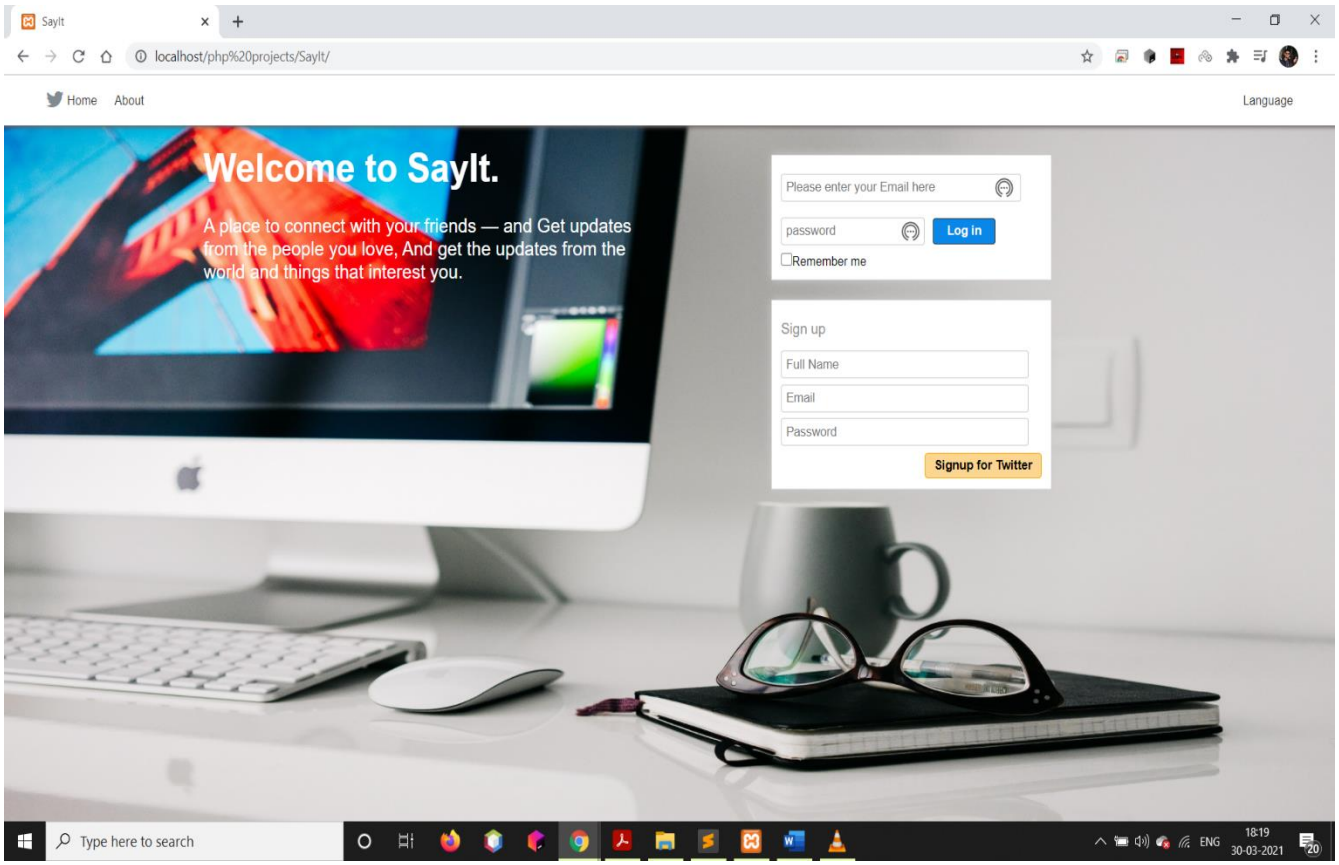
The module wise explanation is as follows:

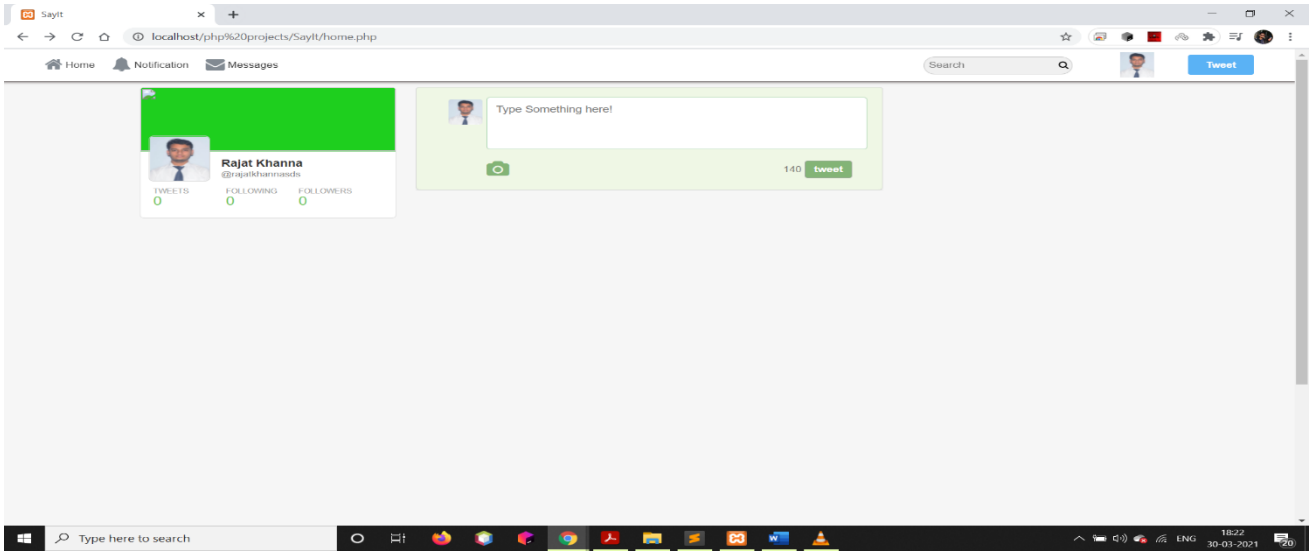
1. Building users features:
    - Creating index page and forms.
    - Creating users table to show information of users.
    - Creating login method so that user can login to their account.
    - Creating methods to display user information and for log out of their accounts.
    - Implementing validation for sign up so that while creating accounts, users enter correct information.
    - Creating register method so that user can sign up to create their account.
    - Creating insert and update methods to update the database.
    - Completing sign up steps along with integration with the database.
    - Creating profile page for the user.
    - Accessing user’s profile by the username.

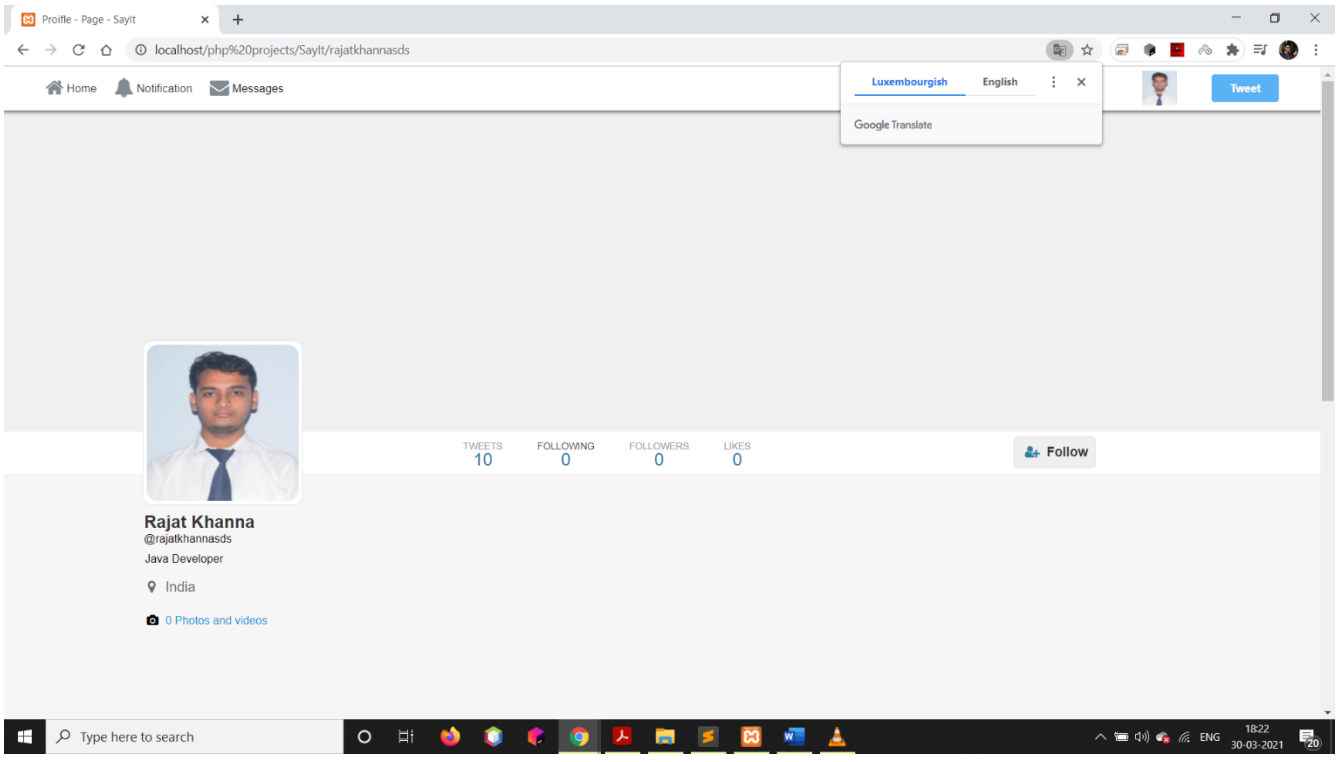
- Creating profile edit page to edit the user's profile.
- Creating a method to upload the images with the tweets.
- Creating account's page to edit the email and username of the user.
- Creating password page to change password of the user.
- Creating search method to search for the users.

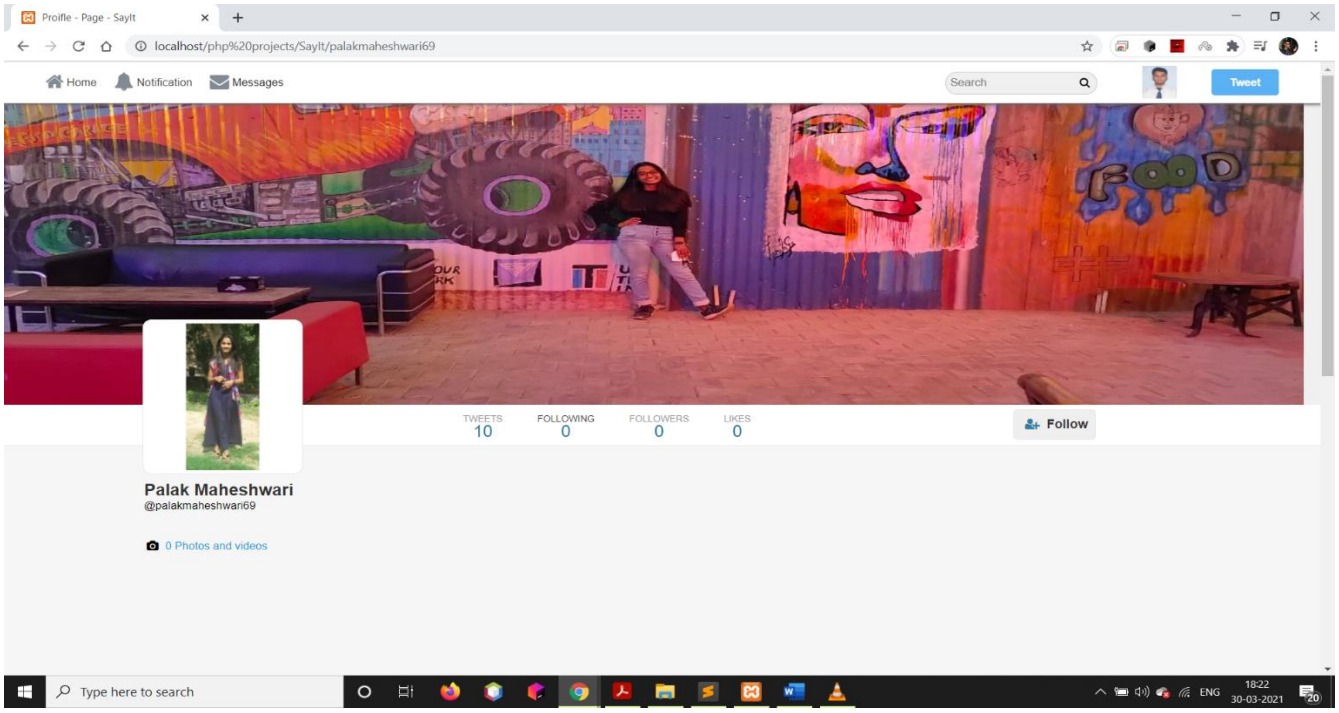
2. Creating NewsFeed:
    - Creating tweet table and method to post tweets.
    - Displaying tweets in the homepage and hashtag mention.
    - Creating trends table.
    - Displaying hashtag from the database.
    - Creating method to insert hashtag.
    - Making tweets link clickable.
    - Creating likes table
    - Creating methods to like and dislike tweets.
    - Creating method to retweet a tweet and display it.
    - Creating a table for comments.
    - Displaying comments on tweets.
    - Creating function to display image popup.
    - Deleting comments and tweets.

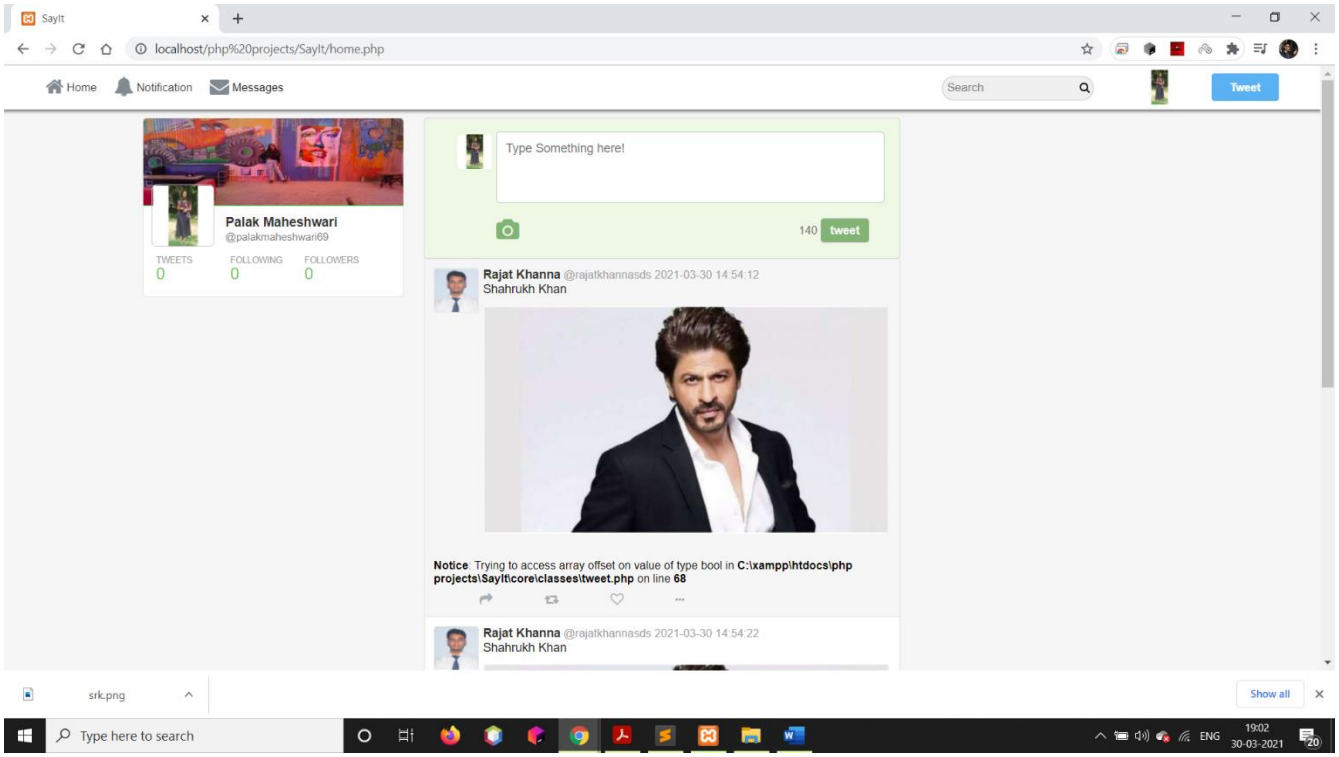
SnapShots:




SayIt
localhost/php%20projects/SayIt/home.php
Home
Notification
Messages
Search
Tweet
Rajat Khanna
@rajatkhannasds
TWEETS
0
FOLLOWING
0
FOLLOWERS
0
Type Something here!
140
tweet
Type here to search
ENG
18:22
30-03-2021


Proifle - Page - SayIt
localhost/php%20projects/SayIt/rajatkhannasds
Home
Notification
Messages
Luxembourgish
English
Google Translate
Tweet
TWEETS
10
FOLLOWING
0
FOLLOWERS
0
LIKES
0
Follow
Rajat Khanna
@rajatkhannasds
Java Developer
India
0 Photos and videos
Type here to search
ENG
18:22
30-03-2021


Proifle - Page - Sayit
localhost/php%20projects/SayIt/palakmaheshwari69
Home
Notification
Messages
Search
Tweet
TWEETS
10
FOLLOWING
0
FOLLOWERS
0
LIKES
0
Follow
Palak Maheshwari
@palakmaheshwari69
0 Photos and videos
Type here to search
ENG
18:22
30-03-2021


SayIt
localhost/php%20projects/SayIt/home.php
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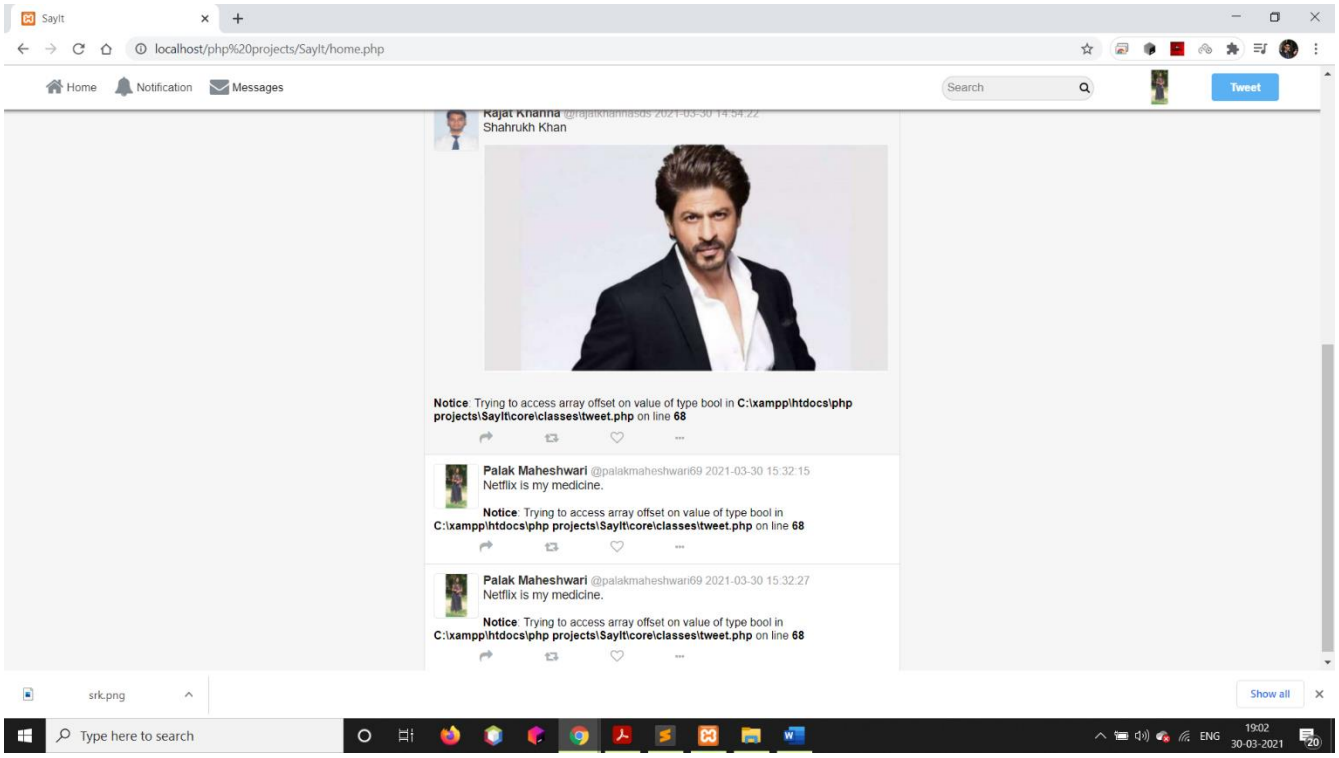
Search
Tweet
Palak Maheshwari
@palakmaheshwari69
TWEETS
0
FOLLOWING
0
FOLLOWERS
0
Type Something here!
140
tweet
Rajat Khanna @rajatkhannasds 2021-03-30 14:54:12
Shahrukh Khan
Notice: Trying to access array offset on value of type bool in C:\xampp\htdocs\php projects\SayIt\core\classes\tweet.php on line 68
Rajat Khanna @rajatkhannasds 2021-03-30 14:54:22
Shahrukh Khan
srk.png
Show all
Type here to search
ENG
19:02
30-03-2021


SayIt
localhost/php%20projects/SayIt/home.php
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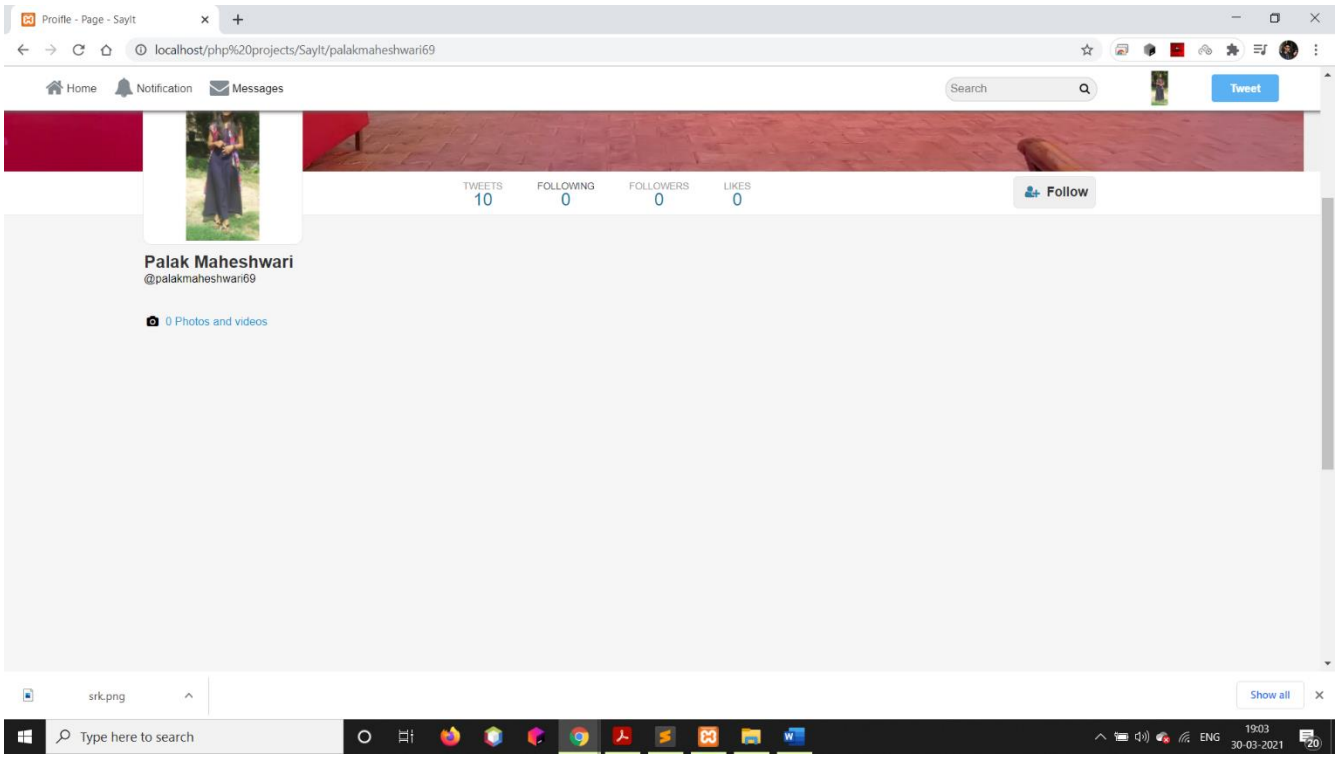
Search
Tweet
Rajat Khanna @rajatkhannasds 2021-03-30 14:54:22
Shahrukh Khan
Notice: Trying to access array offset on value of type bool in C:\xampp\htdocs\php projects\SayIt\core\classes\tweet.php on line 68
Palak Maheshwari @palakmaheshwari69 2021-03-30 15:32:15
Netflix is my medicine.
Notice: Trying to access array offset on value of type bool in C:\xampp\htdocs\php projects\SayIt\core\classes\tweet.php on line 68
Palak Maheshwari @palakmaheshwari69 2021-03-30 15:32:27
Netflix is my medicine.
Notice: Trying to access array offset on value of type bool in C:\xampp\htdocs\php projects\SayIt\core\classes\tweet.php on line 68
srk.png
Show all
Type here to search
ENG
19:02
30-03-2021


Proifle - Page - SayIt
localhost/php%20projects/SayIt/palakmaheshwari69
Home
Notification
Messages
Search
Tweet
TWEETS
10
FOLLOWING
0
FOLLOWERS
0
LIKES
0
Follow
Palak Maheshwari
@palakmaheshwari69
0 Photos and videos
srk.png
Show all
Type here to search
ENG
19:03
30-03-2021

Contribution Summary

Name	Worked on	Description
Palak Maheshwari	Report Login and Signup Module	Project Report Login and Signup Page for the user.
Rajat Khanna	Rest of the functionalities developed.	Tweet, Search and other modules for the user.

Progress Till Date and the Remaining Work

Till date we have completed two modules out of the six modules. It has several functionalities.

Completed Modules:

1. Building Users Features
2. Creating newsfeed

Remaining modules:

1. Creating follow/unfollow system
2. Creating Messaging System
3. Creating Trends System
4. Creating Notification System

References

1. https://www.w3schools.com/php/
2. https://www.w3schools.com/sql/
3. https://www.w3schools.com/html/default.asp