



M.V.P.SAMAJ'S

K.R.T ARTS, A.M.SCIENCE AND B.H.COMMERCE

COLLEGE, GANGAPUR ROAD

NASHIK.

**A PROJECT REPORT
ON**

SOCIAL MEDIA WEBSITE

Developed by

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Mr. Upadhyay Mayur Prakash (11644)

M.Sc. (Computer Science)

(2019-2020)

Under the guidance of

Prof. R.A. Patil Sir

Department of computer science



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CERTIFICATE

This is to certify that project report on

SOCIAL MEDIA WEBSITE

Has been successfully completed by,

Mr. Patel Yash Rajeshbhai (11623)

Mr. Upadhyay Mayur Prakash (11644)

For fulfillment of M.Sc. (Computer Science)-II

During the academic year 2019-2020

(Project Guide)

(Head of Department)

(External Examiner)

ACKNOWLEDGEMENT

The success and final outcome of this project required a lot of guidance and assistance from many people and we were extremely fortunate to have got this all along the completion of our project work. Whatever we have done is only due to such guidance and assistance and we would not forget to thank them.

We owe our profound gratitude to our internal project guide Mr. R.A.Patil Sir who took keen interest in our project and helped us to update our course of action with his insights. It was only with the help of his valuable feedbacks that we were able to develop our system efficiently.

We would also like to thank him for imparting us with a wonderful opportunity to let us get through with the project and test our skills while doing so. Moreover we would not forget to thank our Principal Sir Dr. V.B. Gaikwad to allow us to avail the services of Computer Science Department.

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INTRODUCTION

Social Media Networking site is an electronic platform that allows people from different backgrounds, disciplines, interests and culture to come together and communicate their ideas. Individuals from specific groups or communities are enabled to exchange their thoughts on certain matters. It also facilitates colleagues or even customers and clients. New Marketing and business strategies have been ushered by the social media networks.

There are many different types of social media sites available. Most prominent one's in market are Facebook, Instagram, Google+, LinkedIn, etc. However there are quite a few others that are as good as the giants one mentioned above.

We aim to develop a Social Networking Website that comprises of usual features like Profile Management, Content sharing, Posting, Likes, Comments, etc. However we have imposed several restrictions and skipped some appealing features of social networking sites to ensure privacy and/or social security.

PROBLEM DEFINITION :

The definition of a social network per se articulates that it is an Internet based platform that allows individuals to construct a public profile for themselves within a bounded system. Social media also in many ways help narrow social indifferences and gaps.

But this is just one side of the picture. Social Media in its existence has also many adverse consequences on society. The concerns of spamming, privacy, illegal access to a Person's information, bullying, etc are now serious issues that prevails in social media world. Most social networking sites allow unrestricted access to individual's data by means of Profile Exhibition. There are certain group of people over Internet that misuse personal information like contact details to harass and bully social media users. In some cases, people have also been enabled to commit crimes. Hence, it is very important to address these concerns and develop a social media site that have restrictions with respect to sharing personal information.

We intend to develop such a system where user can share content without compromising their personal information as we do not allow the feature of Profile Exhibition of one user to another.

SYSTEM REQUIREMENTS

HARDWARE SPECIFICATIONS :

1. Intel Core Processor (i3, i5, i7)
2. RAM (Minimum 2GB)
3. Hard Disk (Minimum 50 GB)

SOFTWARE SPECIFICATIONS :-

1. OS : Linux / Windows
2. Environment : Python/Django
3. Languages : Python/JavaScript
4. FrontEnd : HTML/CSS

EXISTING SYSTEM VS PROPOSED SYSTEM

The existing system is an extensive system that is loaded with lots of features that holds potential bugs for a system. It fails to take strong measures to ensure privacy for a user by allowing other users to view personal details of a user such as contact number. People with malicious intent often exploit their information to harass and harm others.

Our Proposed System on the other hand has no such undesirable implications. Users are allowed to share their views. Anyone registered on the system can post without having the need to share their personal details with anyone. We also have a provision of post reporting that will help users to report a public post that contains vulgarity or might offend anyone. Posts with most number of reports will be taken down by admin.

SCOPE OF OUR PROJECT

Our System is an open Social Networking Site that allows users to register themselves to a platform where they can share their views. Users can post their thoughts, upload pictures and thereby share their content with everyone registered on the system. People can share their current mood or feelings with almost everyone.

The system allows user to update and manage its profile. Users can update their personal details and profile pictures as in when they want. Users can create and delete their own public post.

We have also taken into considerations, the hazardous implications of sharing personal details on social media. On account of this we do not allow one user to view the profile of another user. And we have not failed to include the feature of “Post Reporting”. Any public post that violates the etiquettes of social media behavior can be reported by the user.

FEASIBILITY STUDY

A feasibility study is conducted to evaluate that the proposed system is viable or not. It aims to exploit the strengths and weakness of the system.

Following are the three most important factors in feasibility study of the system.

1. Technical Feasibility

This assessment is based on an outline design of system requirements, to determine whether the organization has technical expertise to handle completion of project.

2. Operational Feasibility

It is the measure of how well a proposed system solves the problems, and takes advantage of opportunities identified during scope definition and how it satisfies the requirements identified in requirement analysis phase of system development. It basically tells us that the proposed system is practically possible or not.

3. Economic Feasibility

This study helps to resolve the financial viability of proposed system. Here we assess that does the objective benefits of the system outweigh the capital cost incurred in design and development of application? If Yes. The system is economically feasible.

DATA DICTIONARY

1. ADMIN TABLE

Field name	Data Type	Size	Constraint
Aid	Number	-	Primary Key
aname	Varchar	50	-
aemail	Varchar	50	-
apass	Varchar	50	-

2. USER REGISTRATION TABLE

Field name	Data Type	Size	Constraint
uid	Number	-	Primary Key
uname	Varchar	50	-
fname	Varchar	50	-
Lname	Varchar	50	-
uemail	Varchar	50	-
upass	Varchar	50	-

3. COMMENT TABLE

Field name	Data Type	Size	Constraint
cid	Number	-	Primary Key
Post_title	Varchar	50	-
uname	Varchar	50	-
reply	Varchar	50	-
content	Varchar	50	-

4. POSTS TABLE

Field name	Data Type	Size	Constraint
pid	Number	-	Primary Key
Post_title	Varchar	50	-
author	Varchar	50	-
body	Varchar	50	-
Create_date	Date/Time	-	-
updated	Date/Time	-	-
Status	Varchar	50	-

5. IMAGES TABLE

Field name	Data Type	Size	Constraint
Img_id	Number	-	Primary Key
Post_title	Varchar	50	-
Img_path	Varchar	50	-

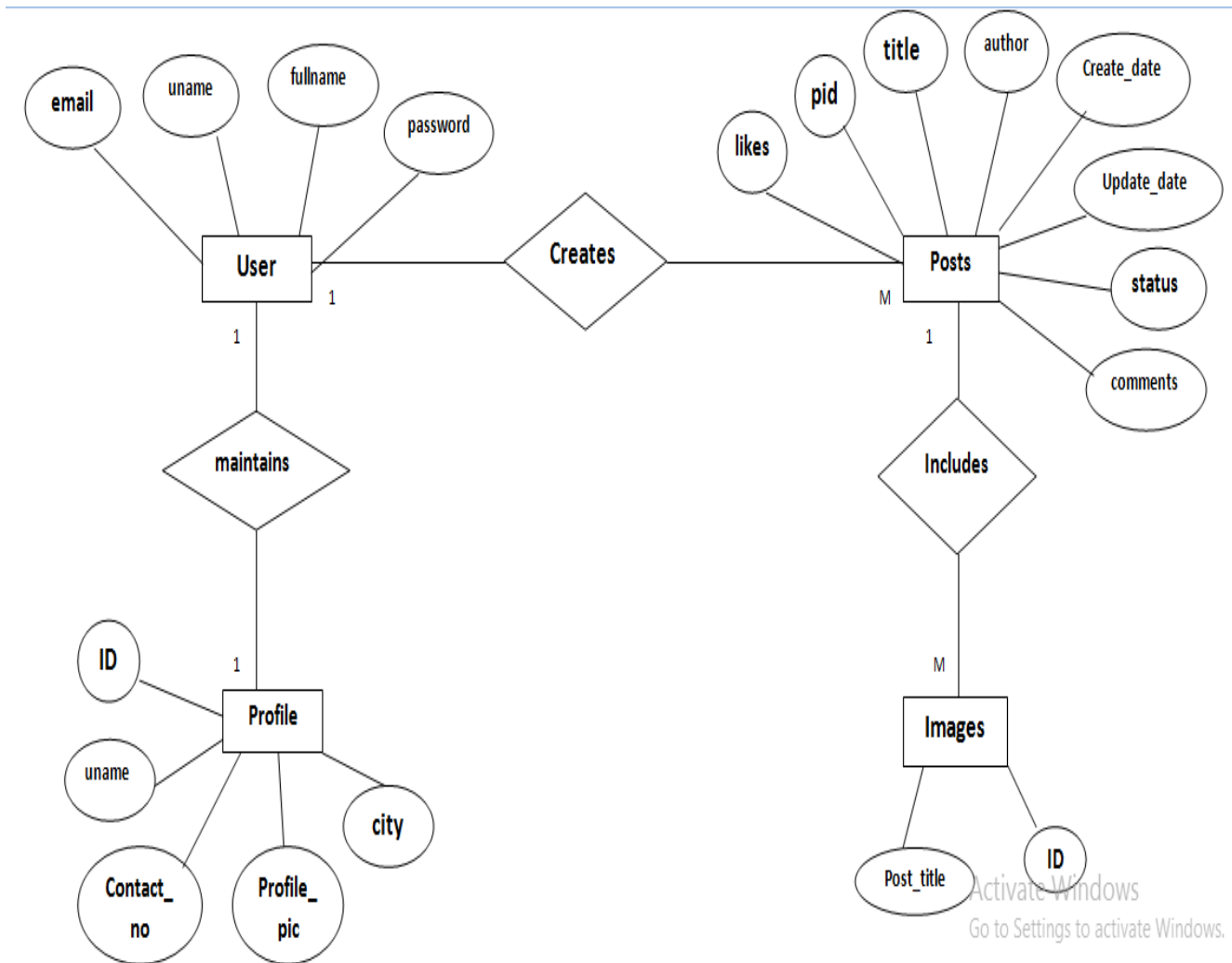
6. PROFILE TABLE

Field name	Data Type	Size	Constraint
pid	Number	-	Primary Key
Uname	Varchar	50	-
Dob	Date/Time	-	-
Mob	Number	10	-
City	Varchar	50	-
Profile_pic	Blob	-	-
Full name	Varchar	50	-

7. REPORT TABLE

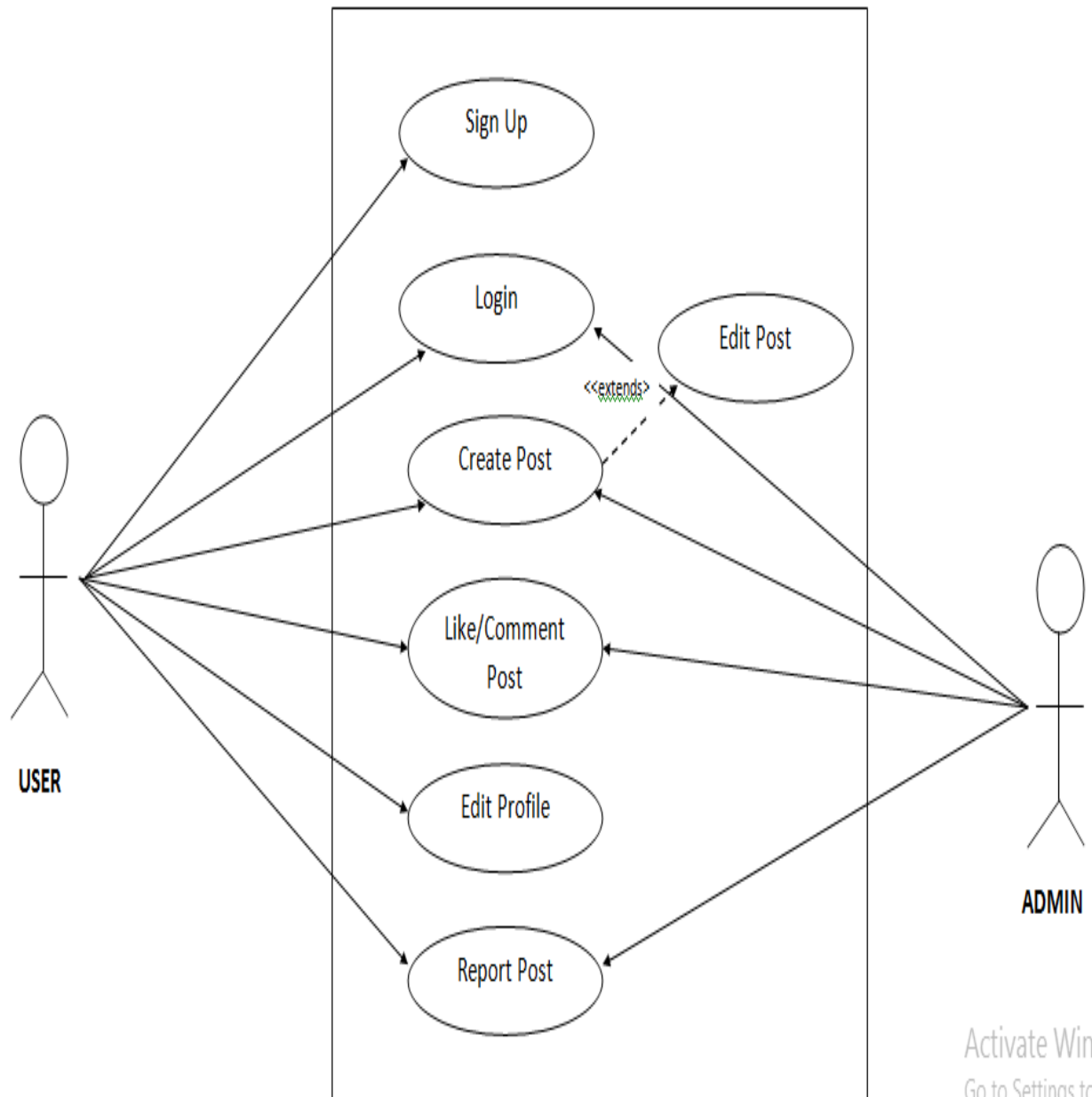
Field name	Data Type	Size	Constraint
rid	Number	-	Primary Key
req	Number	-	-
Against	Number	-	-
Reason	Varchar	50	-
Post_id	Number	-	-
Rep_msg	Varchar	100	-

E-R DIAGRAM

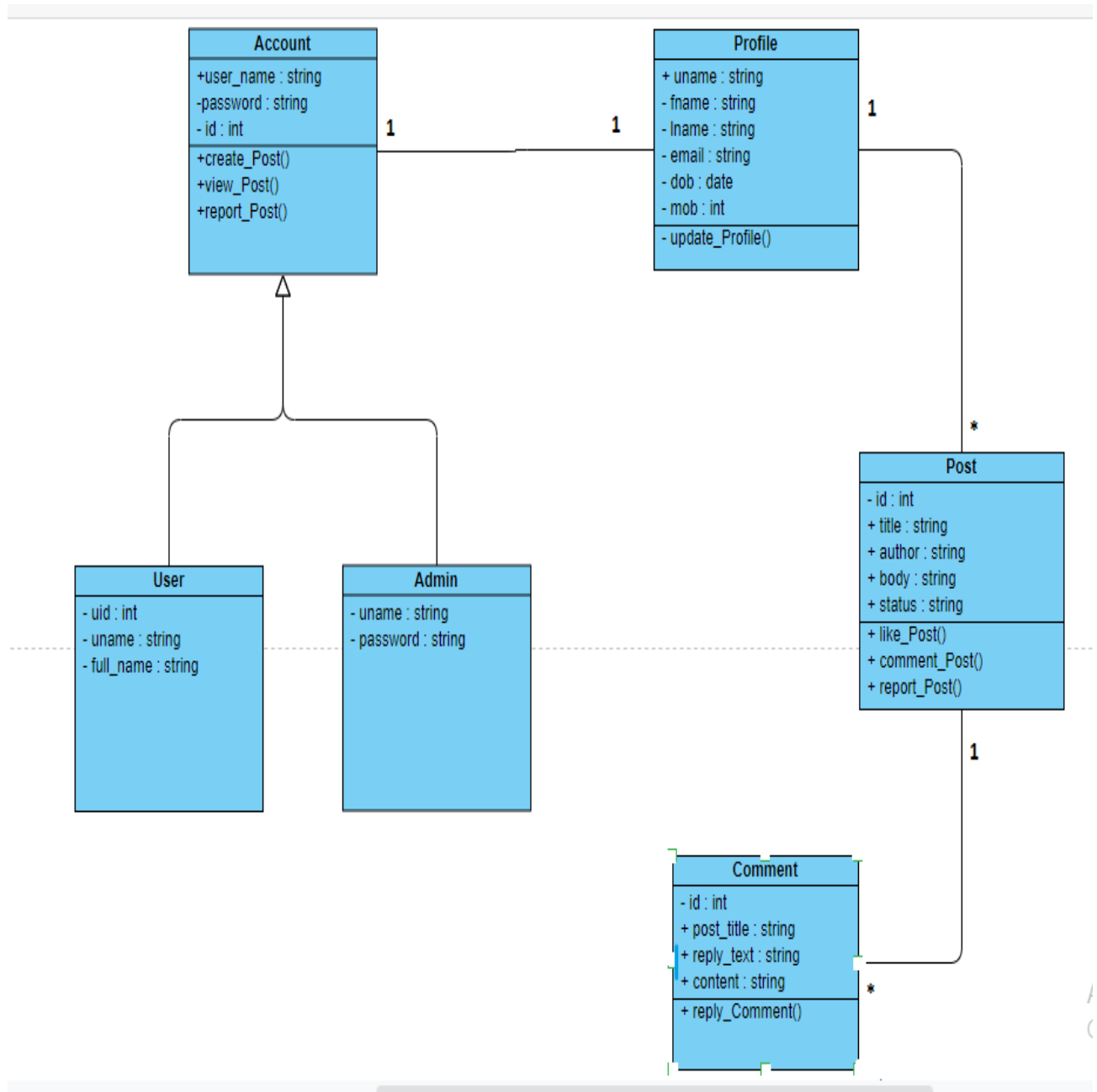


UML DIAGRAMS

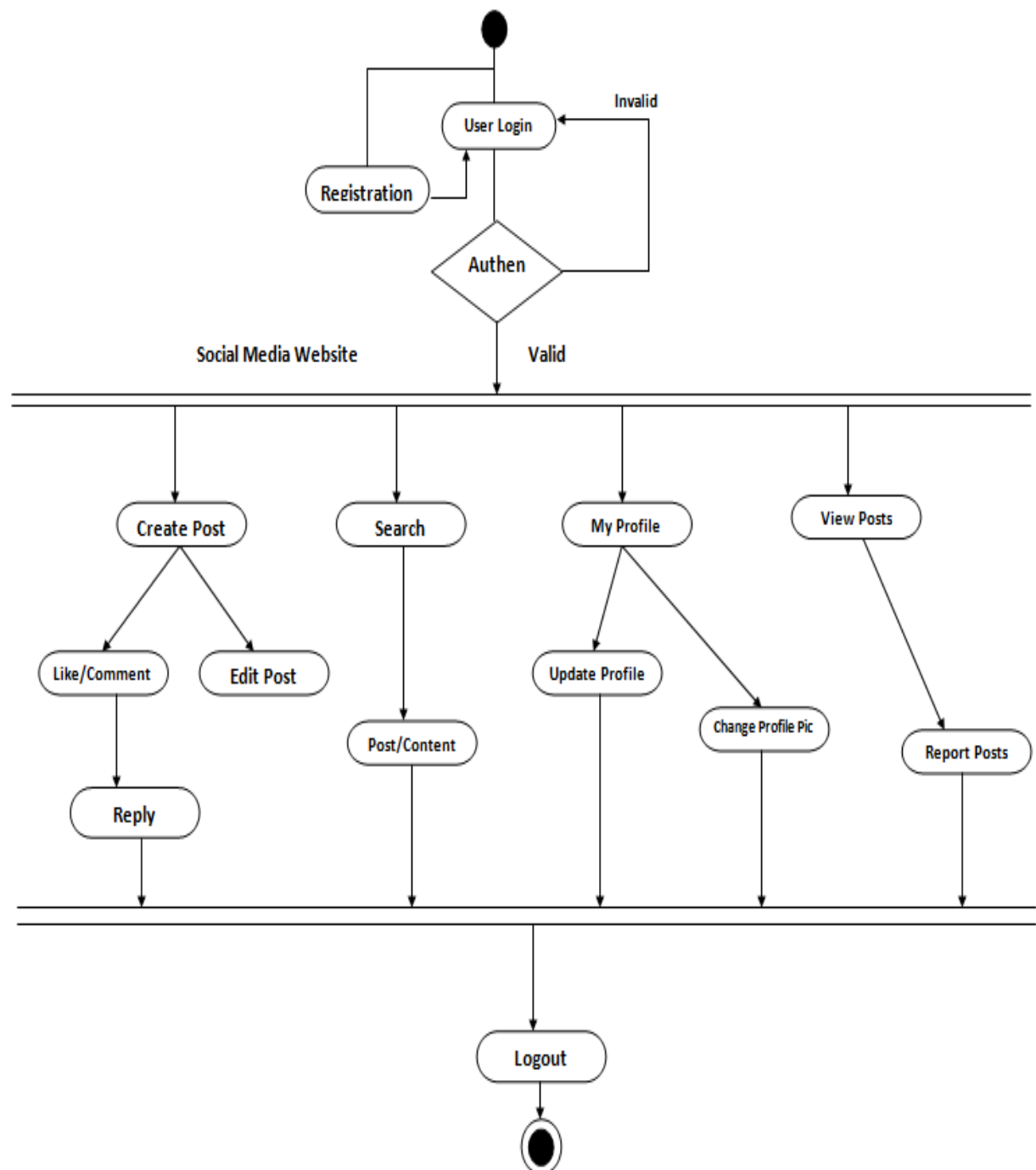
1. USE CASE



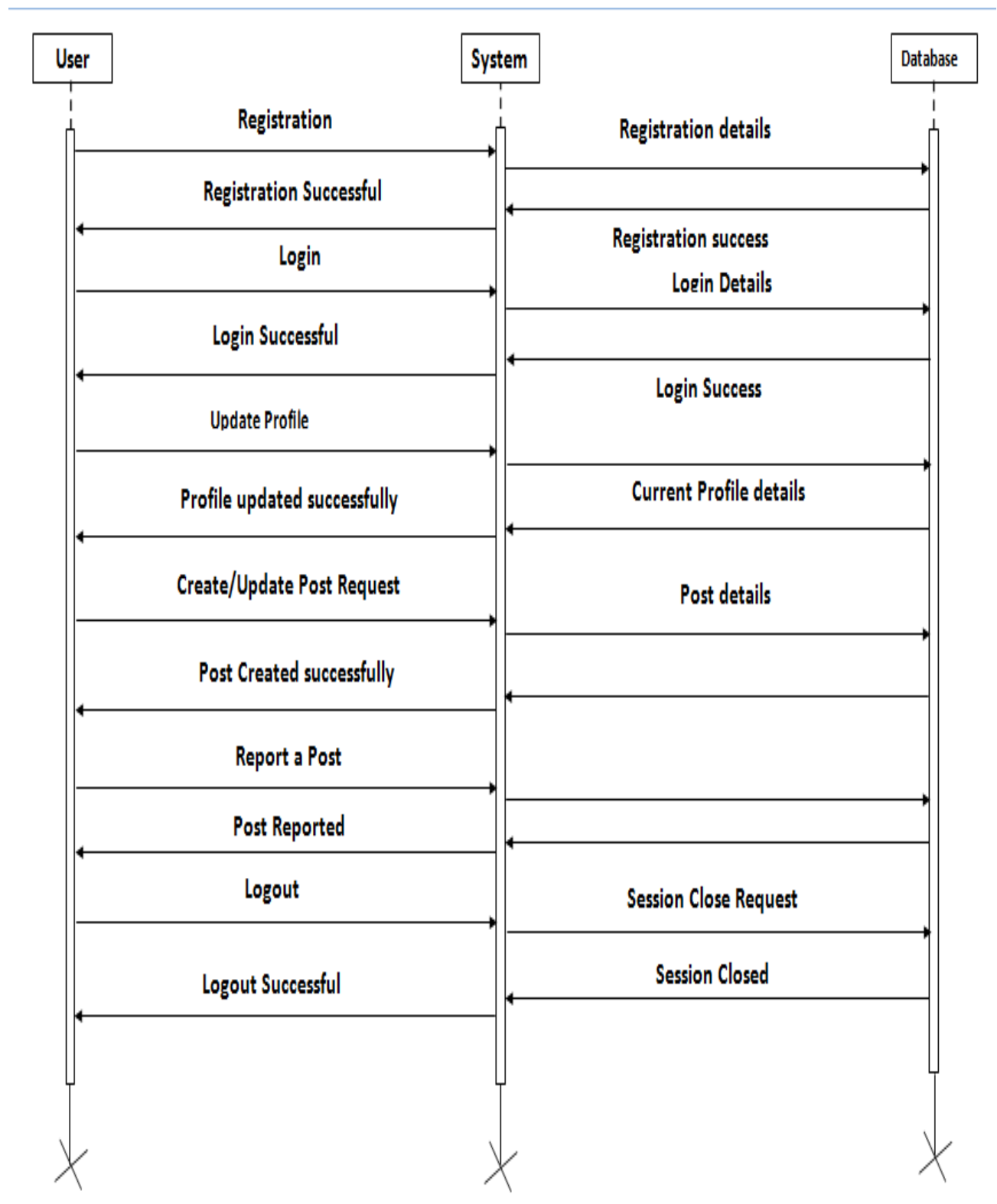
2. CLASS DIAGRAM



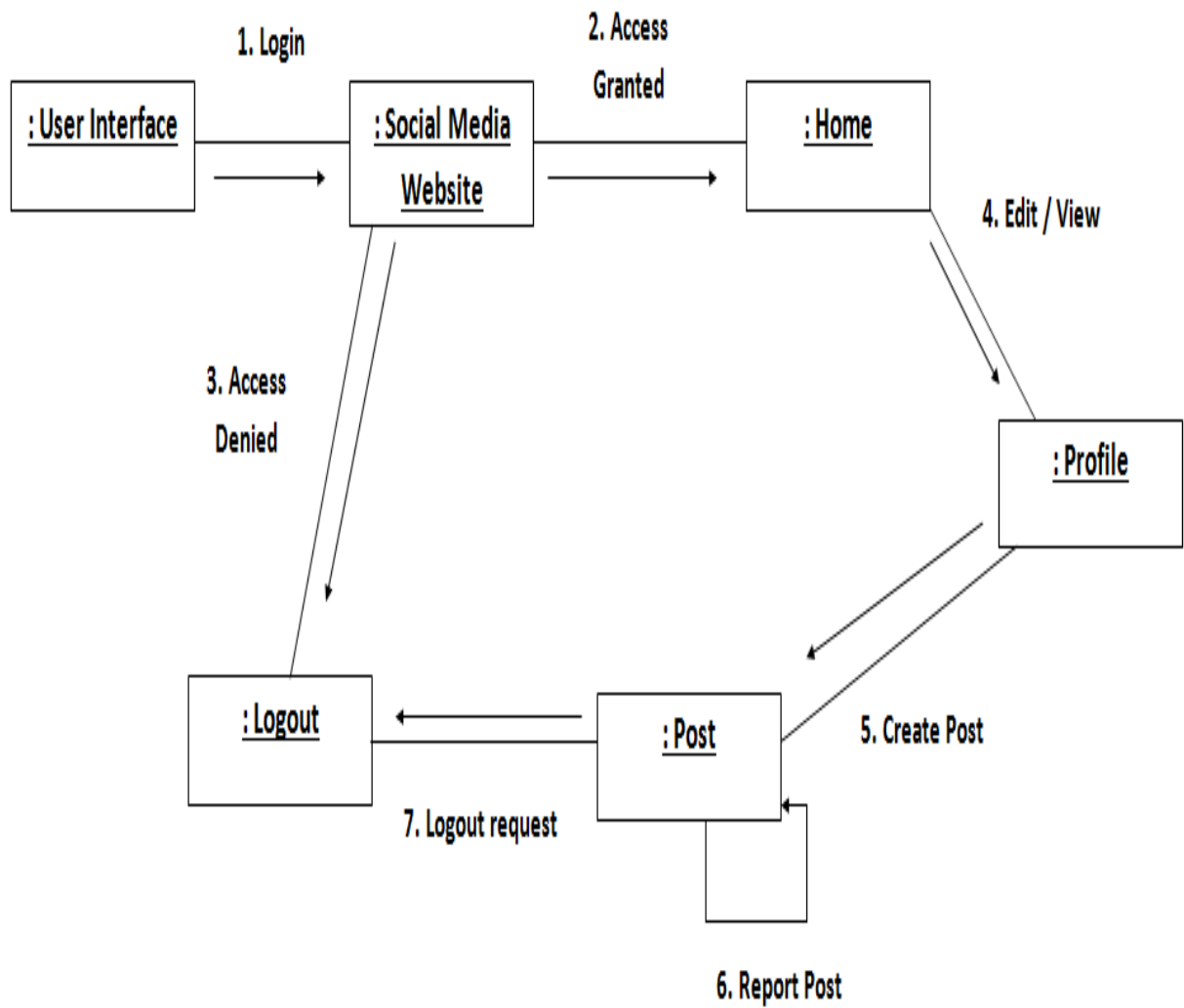
3. ACTIVITY DIAGRAM



4. SEQUENCE DIAGRAM

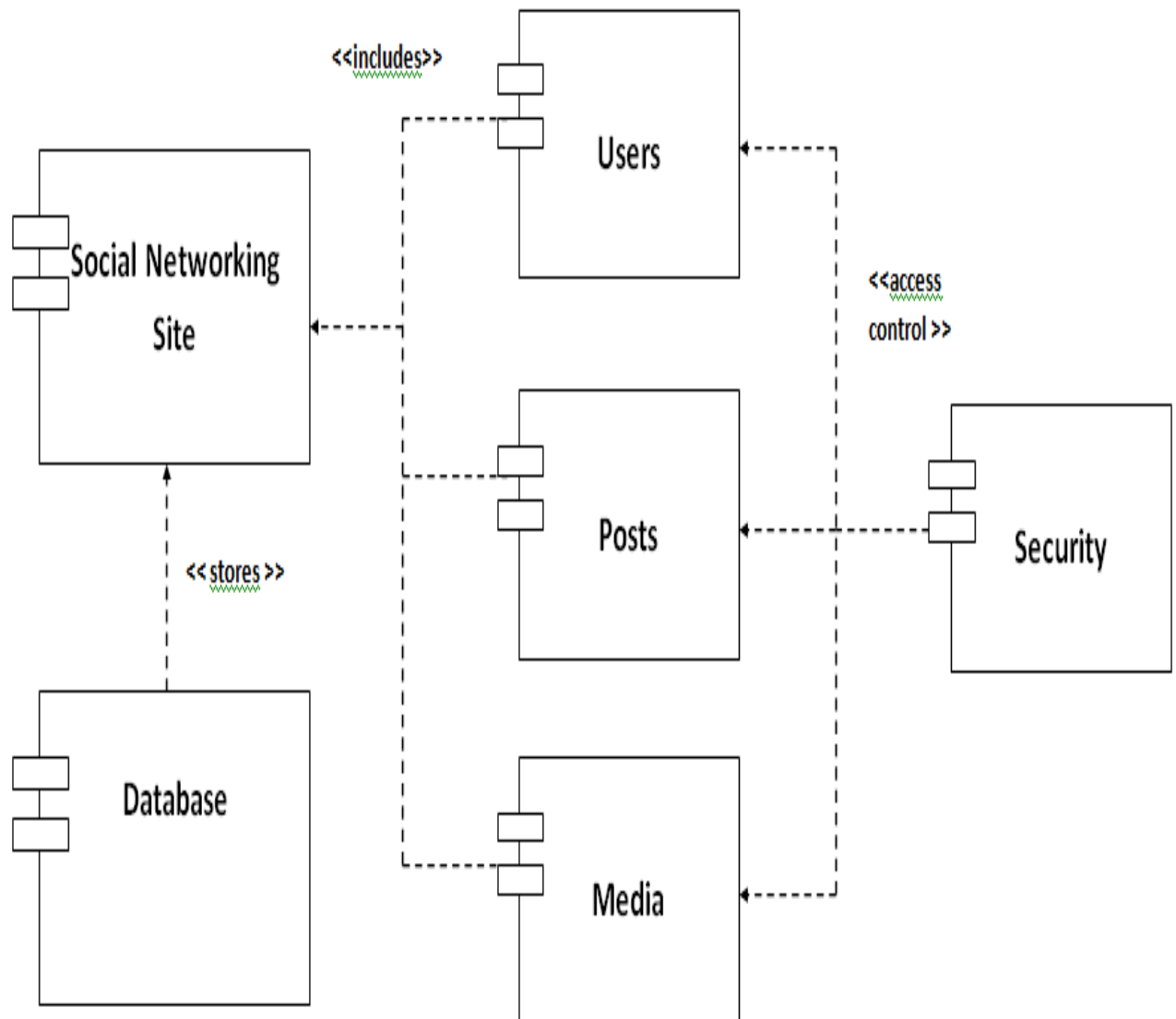


5. COLLABORATION DIAGRAM



Activate Windows

6. COMPONENT DIAGRAM



Activate
Go to Settings

SAMPLE I/O SCREENS

1. Registration

The screenshot shows a web browser window with the address bar displaying "127.0.0.1:8000/register/". The page has a dark header with the text "ManataleBol". Below the header, there is a registration form with the following fields and values:

- User Name: mayur26
- First Name: Mayur
- Last Name: Upadhayay
- Email: mayur123a@gmail.com
- Password:
- Confirm Password:

A green "REGISTER" button is located below the password fields. In the bottom right corner of the browser window, there is a watermark that says "Activate Windows Go to Settings to activate Windows." The Windows taskbar is visible at the bottom of the screen, showing the search bar and several application icons.

2. Login

The screenshot shows a web browser window with the address bar displaying "127.0.0.1:8000/login/?next=/". The page has a dark header with the text "ManataleBol". Below the header, there is a login form with the following elements:

- A text input field containing the username "mayur26".
- A password input field with masked characters ".....".
- A link labeled "Forgotten Your Password?" below the password field.
- Two buttons at the bottom: a blue "Register" button with a user icon and a green "LOGIN" button.

In the bottom right corner of the browser window, there is a watermark that says "Activate Windows Go to Settings to activate Windows." The Windows taskbar is visible at the bottom of the screen, showing the search bar and several application icons.

3. Profile

Edit Profile | ManataleBol x +

127.0.0.1:8000/blog/edit_profile/

ManataleBol Search

Hi Mayur26 Post Create Logout

Profile Pic:	Choose File No file chosen
User Name:	mayur26
First Name:	Mayur
Last Name:	Upadhayay
Email:	mayur123a@gmail.com
Date of Birth:	mm/dd/yyyy
Mobile:	9427309363
City:	Vapi

SAVE CHANGES

Activate Windows
Go to Settings to activate Windows.

Search the web and Windows

6:33 PM
11/24/2019

4. Post Creation

ManataleBol x +

127.0.0.1:8000/blog/post_create/

ManataleBol Search

Hi Mayur26 Post Create Logout

Title:	comics		
Body:	Comics are the best way to increase reading interests and killing time..		
Image:	Choose Files deja vu.jpg		
Status:	Happy	Disable Comment:	<input type="checkbox"/>

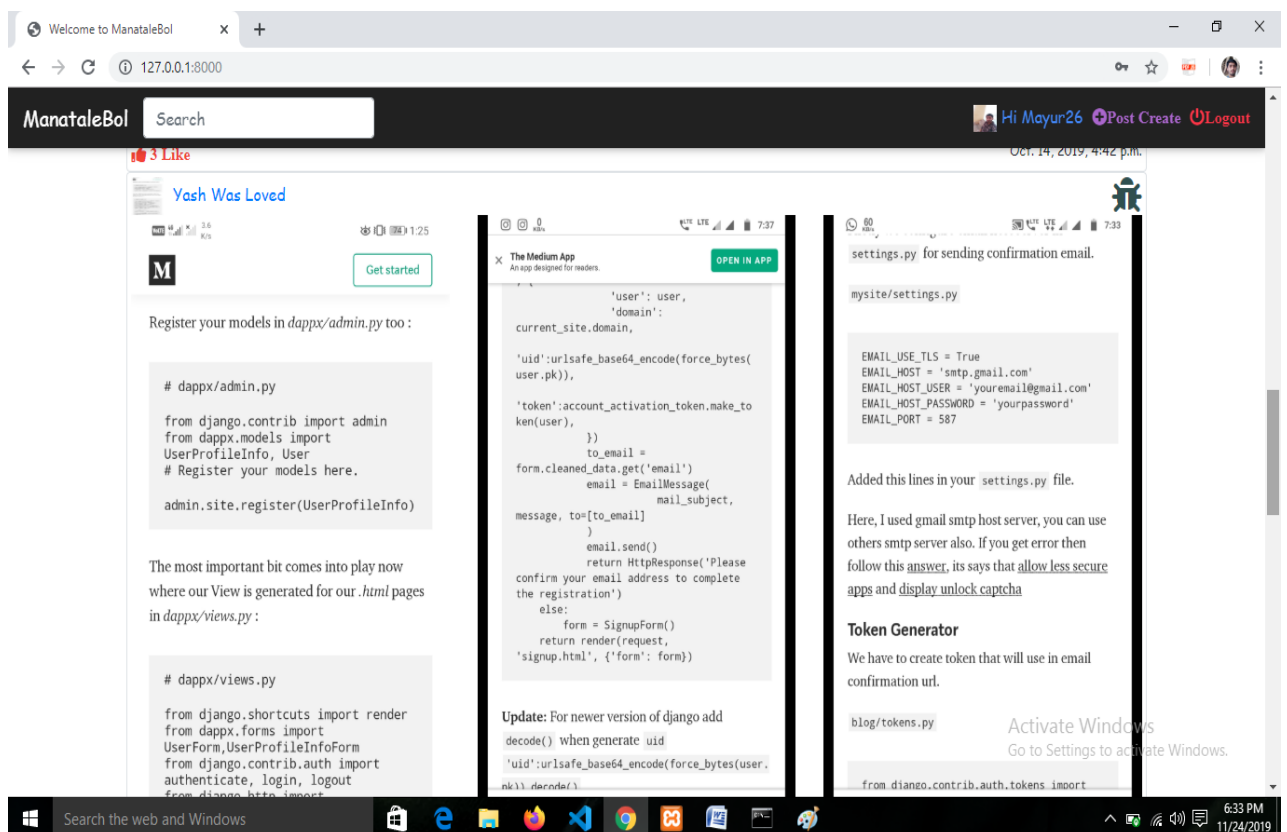
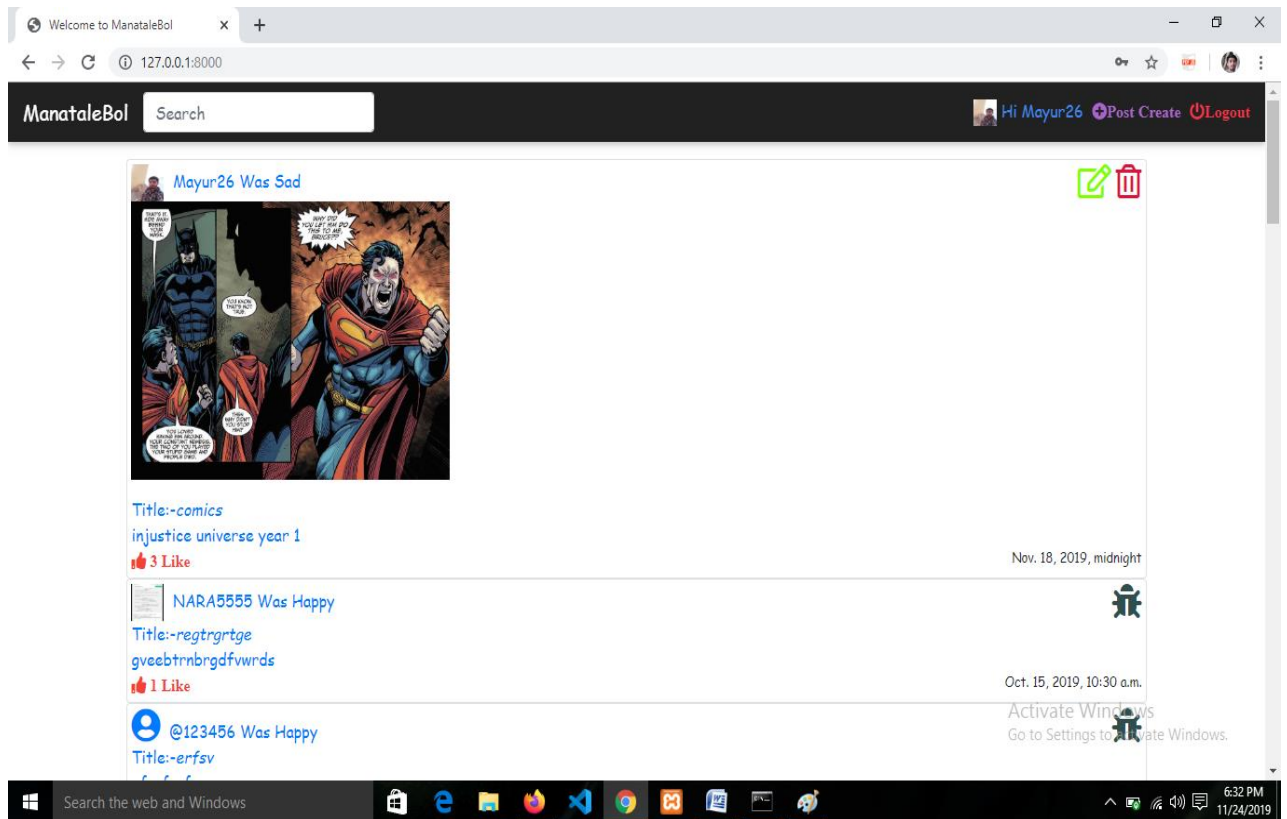
CREATE

Activate Windows
Go to Settings to activate Windows.

Search the web and Windows

6:38 PM
11/24/2019

5. Home Page



6. Post Reporting

The screenshot shows a web browser window with the address bar displaying '127.0.0.1:8000/blog/9/8/25/0/report/'. The page header includes the site name 'ManataleBol', a search bar, and user information 'Hi Mayur26' with links for 'Post Create' and 'Logout'. The main form has two sections: 'Reason:' with a dropdown menu set to 'False News', and 'Body:' with a text input field containing 'This Post is trying to spread a false Propaganda,'. Below the form is a green 'CREATE' button.

Reason:	False News
Body:	This Post is trying to spread a false Propaganda,

CREATE

Activate Windows
Go to Settings to activate Windows.

7. Admin Dashboard

The screenshot shows the Django administration interface. The header bar is dark blue with 'Django administration' on the left and 'WELCOME, DELL. VIEW SITE / CHANGE PASSWORD / LOG OUT' on the right. Below the header, the page is titled 'Site administration'. There are two main sections: 'AUTHENTICATION AND AUTHORIZATION' and 'BLOG'. The first section contains links for 'Groups' and 'Users', each with '+ Add' and 'Change' options. The second section contains links for 'Comments', 'Images', 'Posts', 'Profiles', and 'Reports', each with '+ Add' and 'Change' options. To the right of these sections is a 'Recent actions' box with 'My actions' and 'None available'.

Site administration

AUTHENTICATION AND AUTHORIZATION

Groups	+ Add	Change
Users	+ Add	Change

BLOG

Comments	+ Add	Change
Images	+ Add	Change
Posts	+ Add	Change
Profiles	+ Add	Change
Reports	+ Add	Change

Recent actions

My actions

None available

Activate Windows
Go to Settings to activate Windows.

CONCLUSION

Throughout our endeavor of completion of our project we can say that we were quite fortunate to have the necessary support and guidance from our teachers and team members. It was only through such collective efforts that we were able to finish our project within ample time. It was a great learning experience for us to have built the 'Social Media Project'.

We were successfully able to build a limited feature but effective social media website that allows user to make public posts that will be viewed by everyone on the system without having the need to send friend requests.

Moreover it is a system that provides privacy to its users by restricting other users to navigate through the profile of the user. Also the system allows user to report posts of other users who violate the codes of social media behavior.

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➤ Books

- **Python Web Development with Django – Jeff Forcier**
- **Python Basics – Andrew Johansen**