Project On

Socio - Network for Developers

 $\mathbf{B}\mathbf{y}$

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 $\begin{array}{c} \text{Under the guidance of} \\ \textbf{Internal Supervisor} \end{array}$

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Department of Master Of Computer Application Sardar Patel Institute of Technology Autonomous Institute Affiliated to Mumbai University 2021-22

CERTIFICATE OF APPROVAL

This is to certify that the following students

Sahil Baraskar (2020510005) Shaikh Samee (2020510058)

Have satisfactorily carried out work on the project entitled

"Socio - Network for Developers"

Towards the fulfilment of project, as laid down by
Sardar Patel Institute of Technology during year
2022-23.

Project Guide: Prof.Nawal Dandekar

PROJECT APPROVAL CERTIFICATE

This is to certify that the following students

Sahil Baraskar (2020510005) Shaikh Samee (2020510058)

Have successfully completed the Project report on

"Socio - Network for Developers",

which is found to be satisfactory and is approved

at

SARDAR PATEL INSTITUTE OF TECHNOLOGY, ANDHERI (W), MUMBAI

INTERNAL EXAMINER

EXTERNAL EXAMINER

HEAD OF DEPARTMENT

PRINCIPAL

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Abstract

The Socio application is Internet-based and gives users quick electronic communication of content, such as personal information, documents and photos. Users engage via a computer, tablet, or smartphone via web-based software or applications.

The User can post questions in community forums and ask for quick reponses from all the registered users.

Objectives

The web based Application "Socio" is used

- To provide users a user friendly platform for the social interaction process for.
- To provide a platform for developers and students, build their online presence.
- To provide a platform to keep personal information updated

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1 Introduction

1.1 Problem Definition

Social media applications are not focused on developers, We have created an application designed coherently for developers.

1.2 Objectives and Scope

1.2.1 Objectives

The web based application "Socio" is used to

- gather all the developers together and share their experience with any problems faced by new developers in the industry.
- create an enhanced new developers focused community.
- build developer profiles on social media for their online presence, focused on their industry skill sets.
- create posts, add comments, view dashboards.

1.2.2 Scope

The users can provide their details in the profile and view other added users too. Their profiles all match the developer community standards.

In the application the user must enter their personal, educational and professional details in the profile section.

Our System is being made for reducing the information loss and enhancing the communication between developers so that they can all be a part of a developer community.

1.3 Existing System

All the current social media applications, are not solely focused on developer based communities. Users can make their general profile and will get a generic news feed with posts. To create a community where developers can share their posts and interact with each other is what the current system lacks.

1.4 Proposed System

Any user who wants to add their profiles can register their account. To add details start the registration process. A valid email address is required. Creating a password is necessary with valid input characters.

Making the profile requires you to add educational details, college name and degree. Adding skill sets is also required. All these functionalities curate a proper developer profile suitable for the social media application. Adding information about past industry experience is also required. Some of the advantages of our system are as follows:

- User Friendly
 - It provides attractive interface to the user for navigation through a dynamic flow of social media process in the app.

 The items of the application are already connected to each other using side navigation bar.
- Create posts, add comments, view added profiles of registered users. Users can view list posts as created by other users. We can also like and comment on the post for interaction. In the news feed section we can post any kind of query related to our developer profile.

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1.5 System Requirements

- $\bullet\,$ Requirements on Client Side
- $\bullet\,$ Software Requirements on Client Side

Table 1.5.3: Software Requirements on Client Side

Operating System	Windows, LINUX, MacOS		
Server	Not Required		

2 Software Requirement Specification (SRS) and Design

2.1 Purpose

The purpose of our project is to develop an application that can help users to easily access the community feed and to have an updated profile for any community.

2.2 Definition

To build a Social media Application so the users can have access to a developer community.

2.3 Overall Description

2.3.1 Product Functions

The product function includes:

- 1. Authentication: Users are required to Sign-up and Log-in. Users will get a verification email for successful registration.
- 2. Profile: This will contain information regarding the users.
- 3. Feed: This will contain posts created by the registered users.
- 4. Profiles: These profiles showcase the user's information including education, past experience and skill sets. All the registered users can browse the profiles and connect with any one they desire.
- 5. Add comments/like: We can add comments to any post and like it too.
- 6. Create Post: Create a new post for the community feed. This post is visible to all the added users in the community.

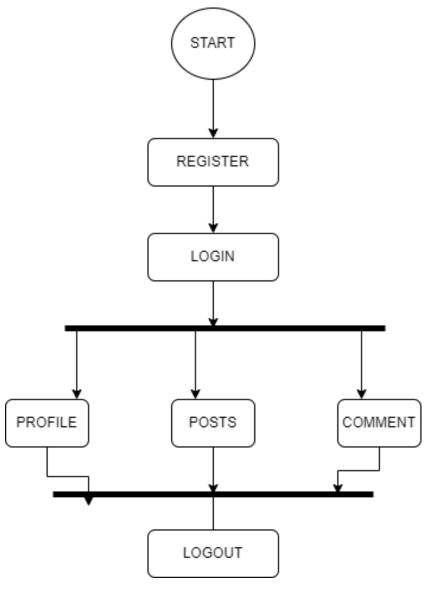
Socio - Network for Developers

2.3.2 User Characteristics

• A registered user, after creating their profile can post any content, like, comment interact with other user's posts. Only the user who has added the comment can delete it. All the users can view any other user's profile.

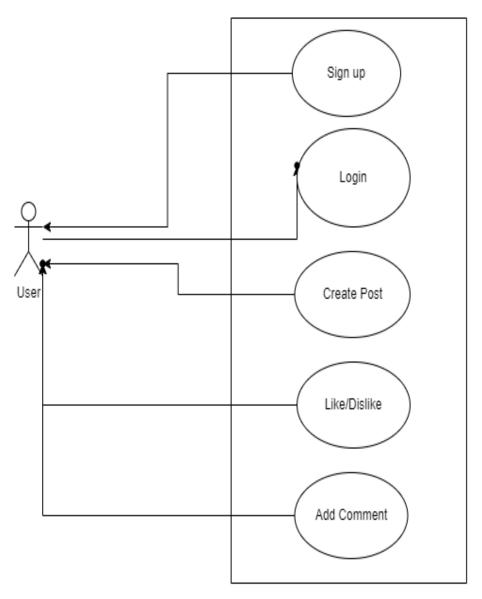
2.4 Modules

2.4.1 Activity diagram



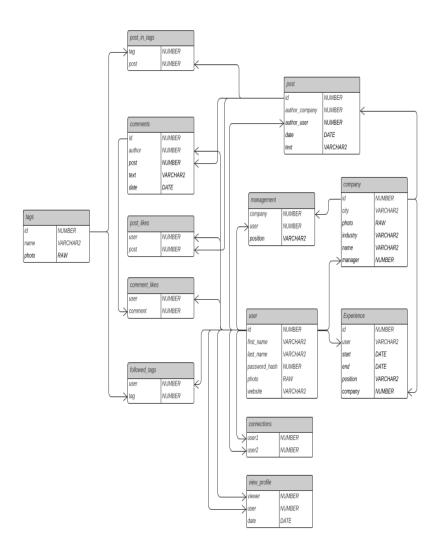
2.4.1: Activity Diagram

2.4.2 Use-Case



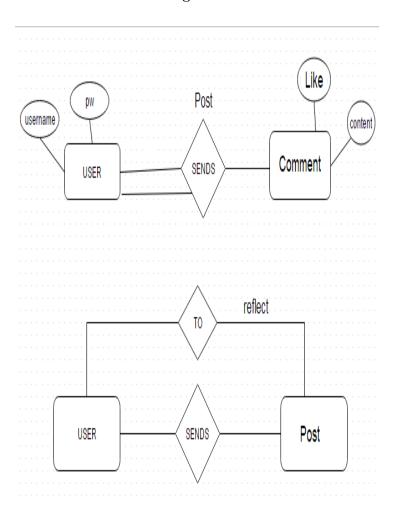
2.4.2: Use-Case Diagram

2.4.3 ER Diagram



2.4.3: ER Diagram

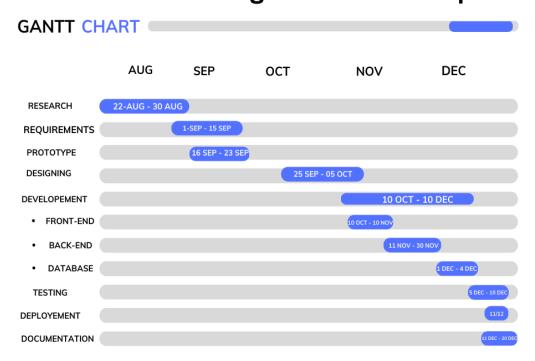
2.4.4 Post Feed ER Diagram



2.4.4: ER diagram for Post feed

2.4.5 Gantt Chart

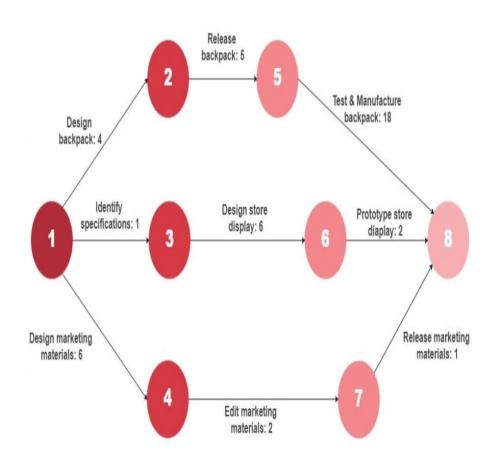
Socio - Netwoking Site For Developer



2.4.5: Gantt Chart

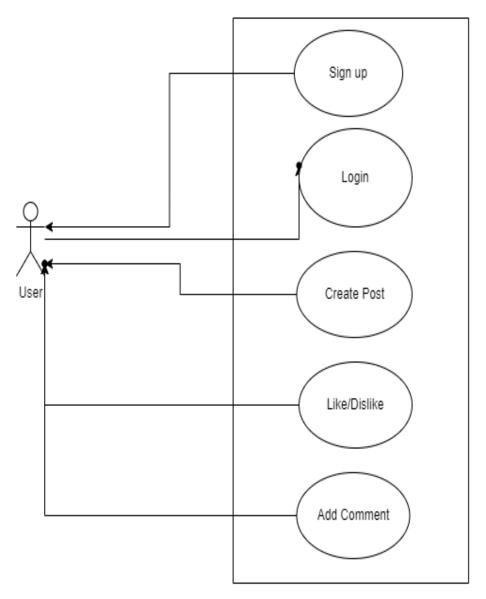
2.4.6 Pert Chart

PERT Chart



2.4.6: Pert Chart

2.4.7 Use-Case



2.4.7: Use-Case Diagram

Socio - Network for Developers

Use Cases:

- 1. Register
- 2. Login
- 3. Add Comment
- 4. Add Post
- 5. View Post

Table 4.2.1: Use Case Table - Register

Use Case ID	1
Use Case Name	Register
Actor	Any user
Pre-Condition	They must register themselves first
Post-Condition	User can login
Flow of events	Login,Register or Edit details

Table 4.2.2: Use Case Table - Login

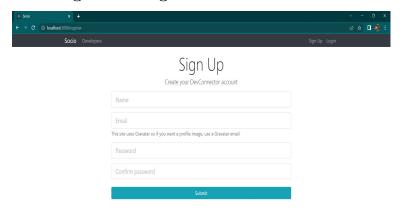
Use Case ID	2
Use Case Name	Login
Actor	Any user
Pre-Condition	They must register themselves first
Post-Condition	User can view the profiles and posts
Flow of events	Login, Register or Edit details abd add com-
r low of events	ments

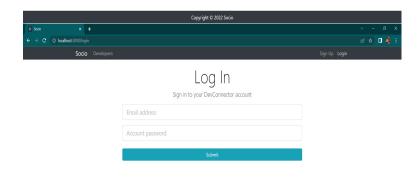
Table 4.2.1: Use Case Table - Add comment

Use Case ID	1
Use Case Name	Comment
Actor	Any user
Pre-Condition	They must register themselves first
Post-Condition	User can login
Flow of events	add a new comment

3 Project Implementation and Testing

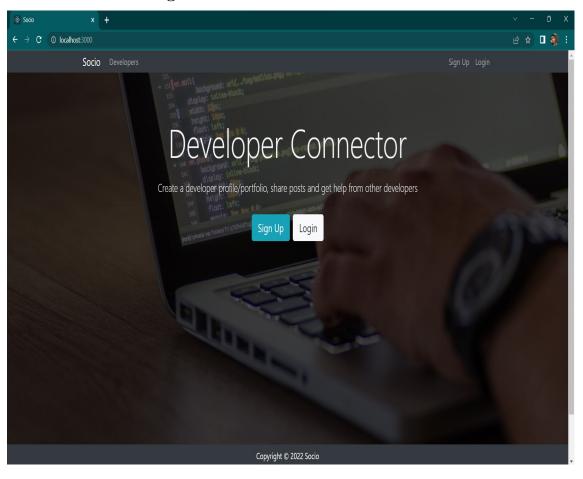
3.1 Login and Register





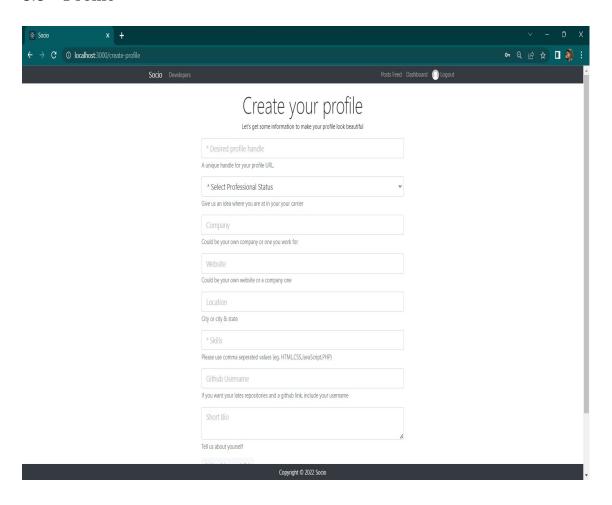
3.1.1: Login and Register

3.2 Home - Landing View



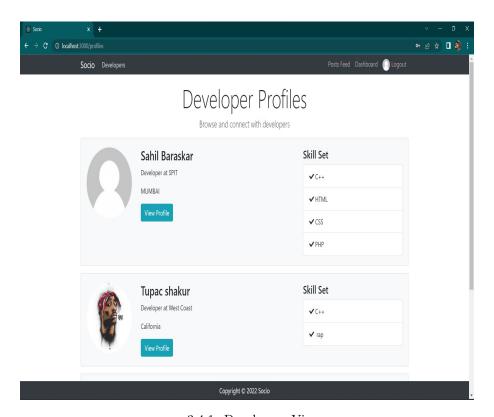
3.2.1: Home View

3.3 Profile



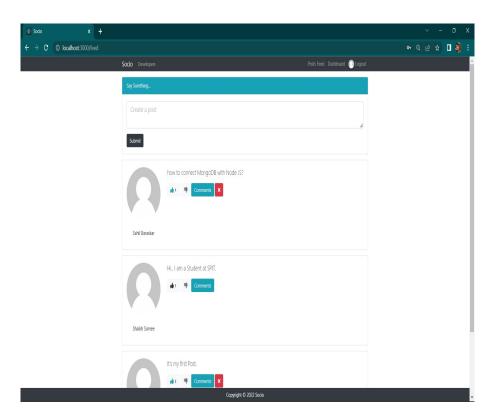
3.3.1: Profile

3.4 Developers



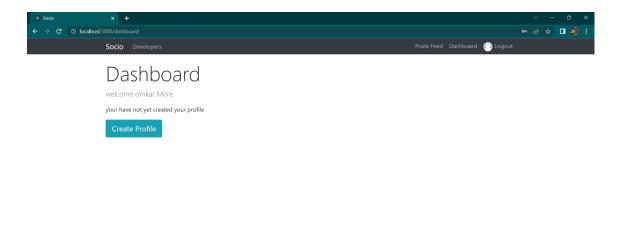
3.4.1: Developers View

3.5 Posts



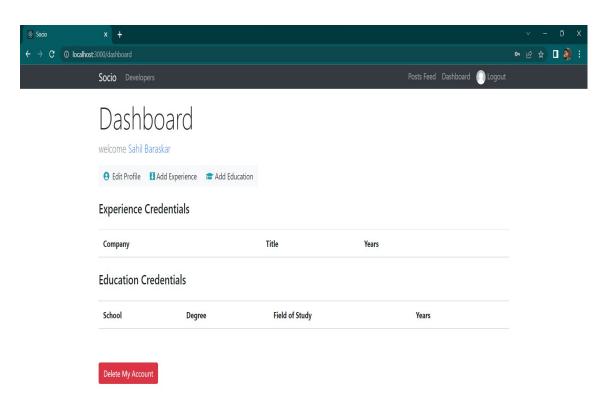
3.5.1: Posts

3.6 Dashboard



3.6.1: Dashboard

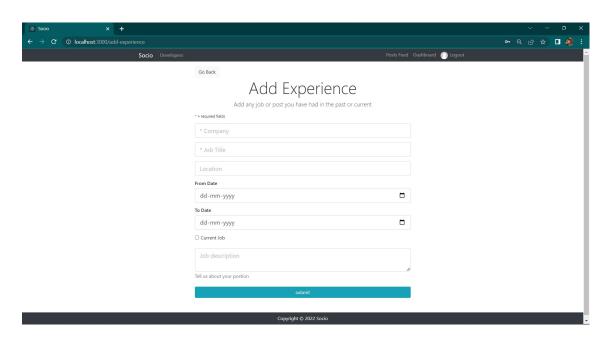
3.7 DashBoard Edit



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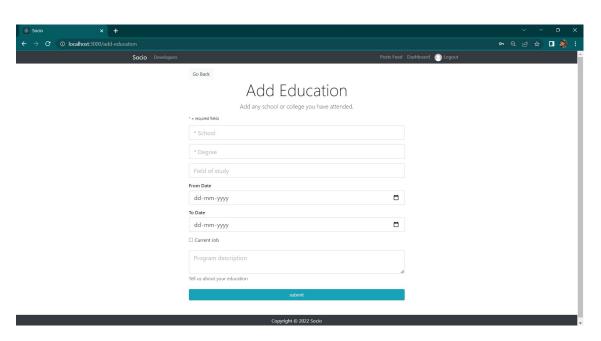
3.7.1: Dashboard Edit

3.8 Add Experience



3.8.1: Add Experience

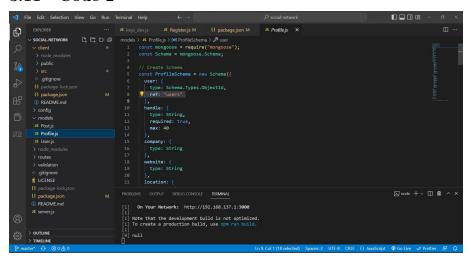
3.9 Add Education



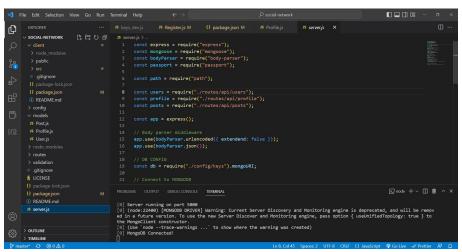
3.9.1: Education Details

3.10 Code 1

3.11 Code 2



3.12 Code 3



4 Test Cases

Table 6.1: Test Case - Login and Register

Test Case ID	Test Case Name	Test Data	Expected Output	Actual Output	Result
1	User enter user id and password	Enters the correct user id and password	Log in Successful	Home Page	Pass
2	User enter user id and password	Enters the user id and password	Prompt er- ror	Prompt er- ror	Pass
3	User enter user id and password	Valid user id and pass- word which doesn't exist in Database	Registered Successfully	Login Page	Pass
4	User enter user id and password	Invalid user id and password which contains in Database	Prompt error	Prompt error	Pass

Table 6.2: Test Case - Others

Test	Test Case	Test Data	Expected	Actual Out-	Result
Case	Name		Output	put	
ID					
1	User enters	Invalid	Prompt Mes-	Successful	Fail
	invalid in-	developer	sage showing	Updated	
	formation	details	error		
	in developer				
	section				
2	User enters	Valid Profile	Profile	Profile	Pass
	valid infor-	Details	Updated	Updated	
	mation in		successful	successful	
	Profile				

5 Limitations

- It needs internet to be accessed.
- It does not have the functionality of privatizing the profile, all the profiles are public.
- Email verification is not provided, so authentication of a correct email not available.
- It does not have a feature to add various projects other than github.

6 Future Enhancements

- User will be able post videos.
- Users can report to another user or post.
- Users can add their various pictures.

7 User Manual

Part 1 - Register

Upon opening the application, user will be greeted with the registration screen. If the user has no account, user can click on register and register self.

After verification of user id, User's account will be saved in our database. The user can now proceed to login.

Part 2 – Login

User needs to enter email first and then password. If there is an active internet connection, user can proceed to login.

Part 3 - Profile

User can access/add/update personal details. User can update this details anytime.

Part 4 – Developer Section

All the Users details and profile are visible on the developers page, anyone can view a profile and can check their Github repos and other social media accounts.

Part 5 - Create Post

User can create a new post, add comment and can like/ dislike other posts.

8 Bibliography

8.1 Web References

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- [4.] https://stackoverflow.com/
- [5.] https://www.draw.io/
- [6.] https://www.geeksforgeeks.org/