A Mini Project Report on

“Unique user identification across multiple social networks”

Second Year of Engineering
In
Computer Engineering

By

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Computer Branch
Thakur College of Engineering and Technology, Kandivali

2019-2023

CERTIFICATE

This is to certify that the students of Second Year Computer Engineering at Thakur College of Engineering and Technology, have satisfactorily completed the requirements of the PROJECT under Employability Skills Development Program - 2021 while working on "**Project : unique user identification across multiple social networks**"

(Faculty Name)	**Mr. Amol Dapkekar**	**Dr. Zahir Aalam**	**Dr. B. K. Mishra**
T&P Coordinator	**Training Coordinator**	**Professor (TPO)**	**Principal**

Internal Examiner:

Signature with Date:
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Name:
……..

PLACE: Mumbai

DATE:

External Examiner:

Signature with Date:

…….. Name:

…….

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EXECUTIVE SUMMARY:

- Manually signing up for and signing into accounts online can sometimes prove onerous. Modern web applications solve this through social authentication, which is primarily a way to allow users to sign in (and sign-up) with the application using login information from a social network provider that they already have an account with.
- So we have build a Django web application
- That allows users to sign in via their Facebook, Instagram, and LinkedIn accounts.

PROBLEM STATEMENT:

To set unique user identification across multiple social networks by which user is able to login via different social networking platform.

DESCRIPTIONS:

There are number of social network sites that connect a large amount of people around the world. All social networking sites differ from each other based on various components such as Graphical User Interface, functionality, features etc. Many users have virtual identities on various social network sites. It is common that people are users of more than one social network and also their friends may be registered on multiple social network sites. User may login to different social networking sites at different timing, so user may not find his friends online when he logins to the particular social networking website. To overcome this issue our proposed system will bring together our online friends on different social networking sites into a single integrated environment. This would enable the user to keep up-to-date with their virtual contacts more easily, as well as to provide improved facility to search for people across different websites.

FINDING:

We got some really good projects from google and YouTube and we studied our topic in order to implement it. The sources are mentioned in the reference below.

IMPLEMENTATION:

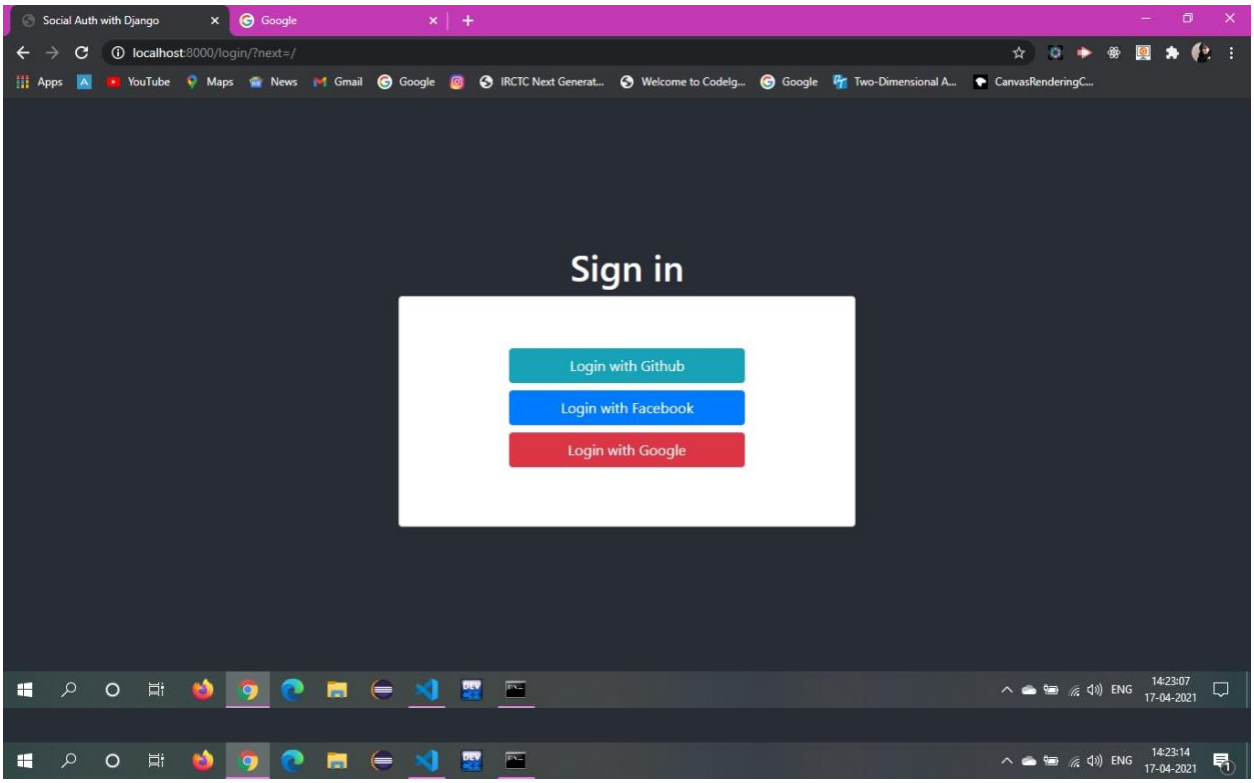
The software included in this particular project is Python, Html , CSS. Libraries used in this project are Django, social-auth-Django which will be used in order to set the application I'd and the secret key, Pipenv for setting up the virtual environment. For setting up the database we have used sqlite3, Django, etc.

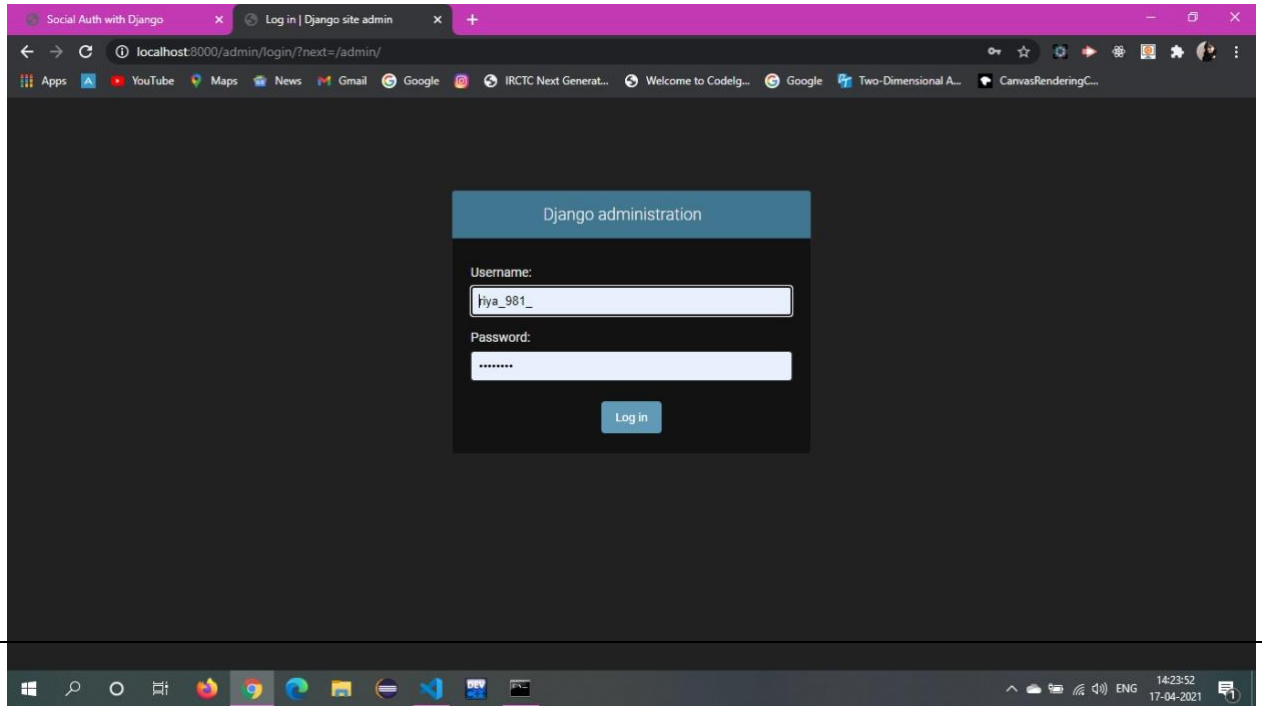
After that we set up the app via Django and the necessary modules are installed accordingly. Also the necessary templates and static files are created. After that we set up the views and urls which will help us to redirect to a specific page. Then we set the the application I'd And secret key which we get from the developers site for a particular social account provider

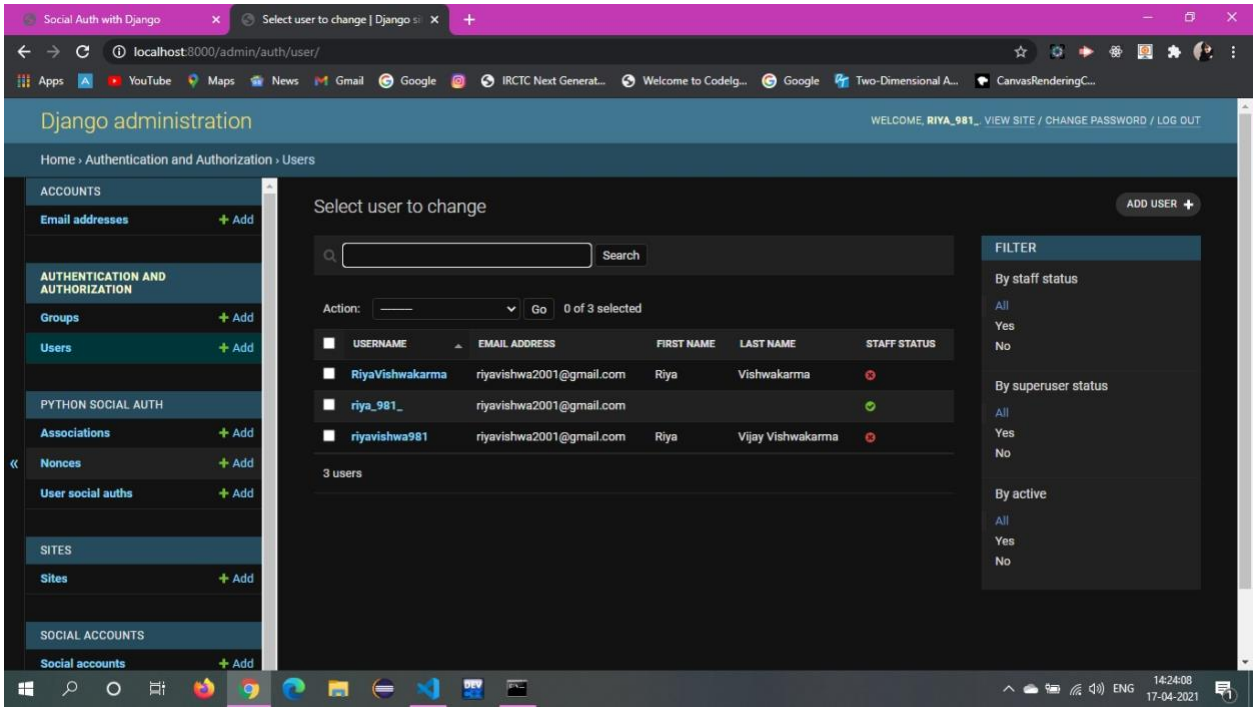
And after that we just migrate to update our database and then we run the server and login in to a particular website.

OAuth 2.0 is the authorization framework which allows applications to gain access to an end user's account for authenticating/registering via popular social networking services. The end user gets to choose which details the application has access to. It focuses on simplifying the development workflow while providing specific authorization flows for web applications and desktop applications, mobile phones, and IOT (Internet of Things) devices.

Here are some screenshots:



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riya_981_ riyavishwa2001@gmail.com
riyavishwa981 riyavishwa2001@gmail.com Riya Vijay Vishwakarma
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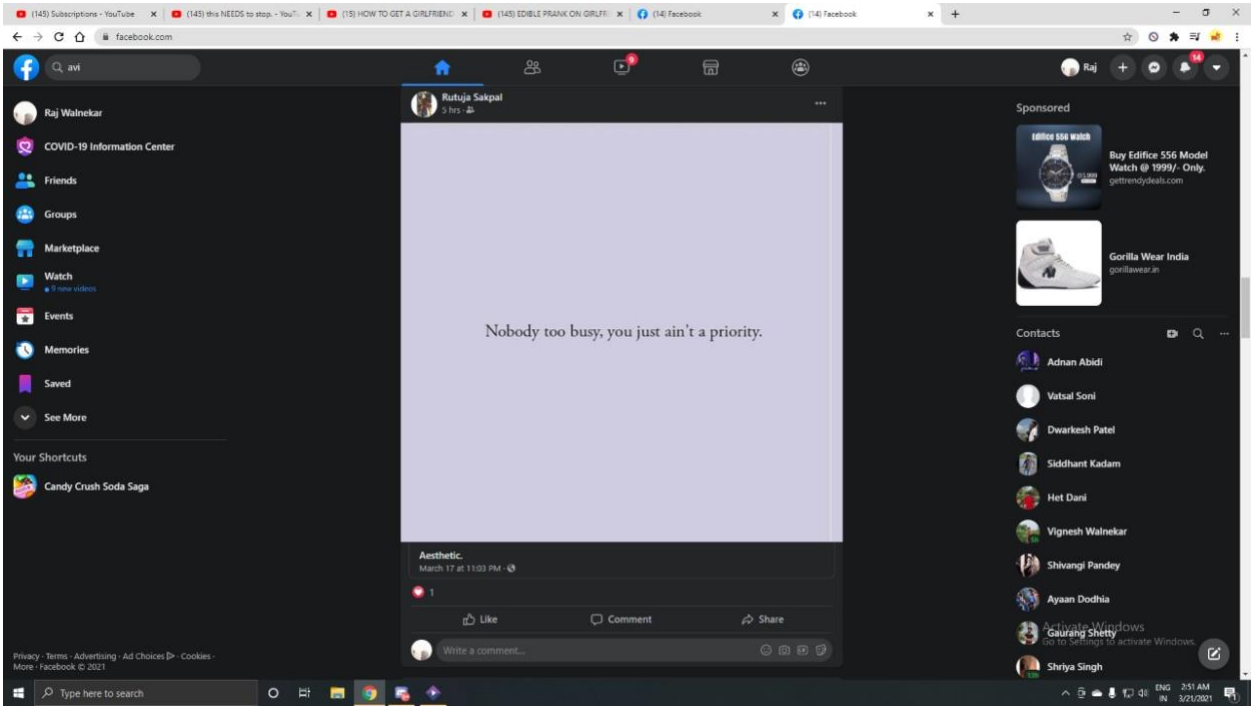
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COVID-19 Information Center
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Marketplace
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Rutuja Sakpal
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Nobody too busy, you just ain't a priority.
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Write a comment...
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Buy Edifice 556 Model Watch @ 1999/- Only.
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Gorilla Wear India
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Siddhant Kadam
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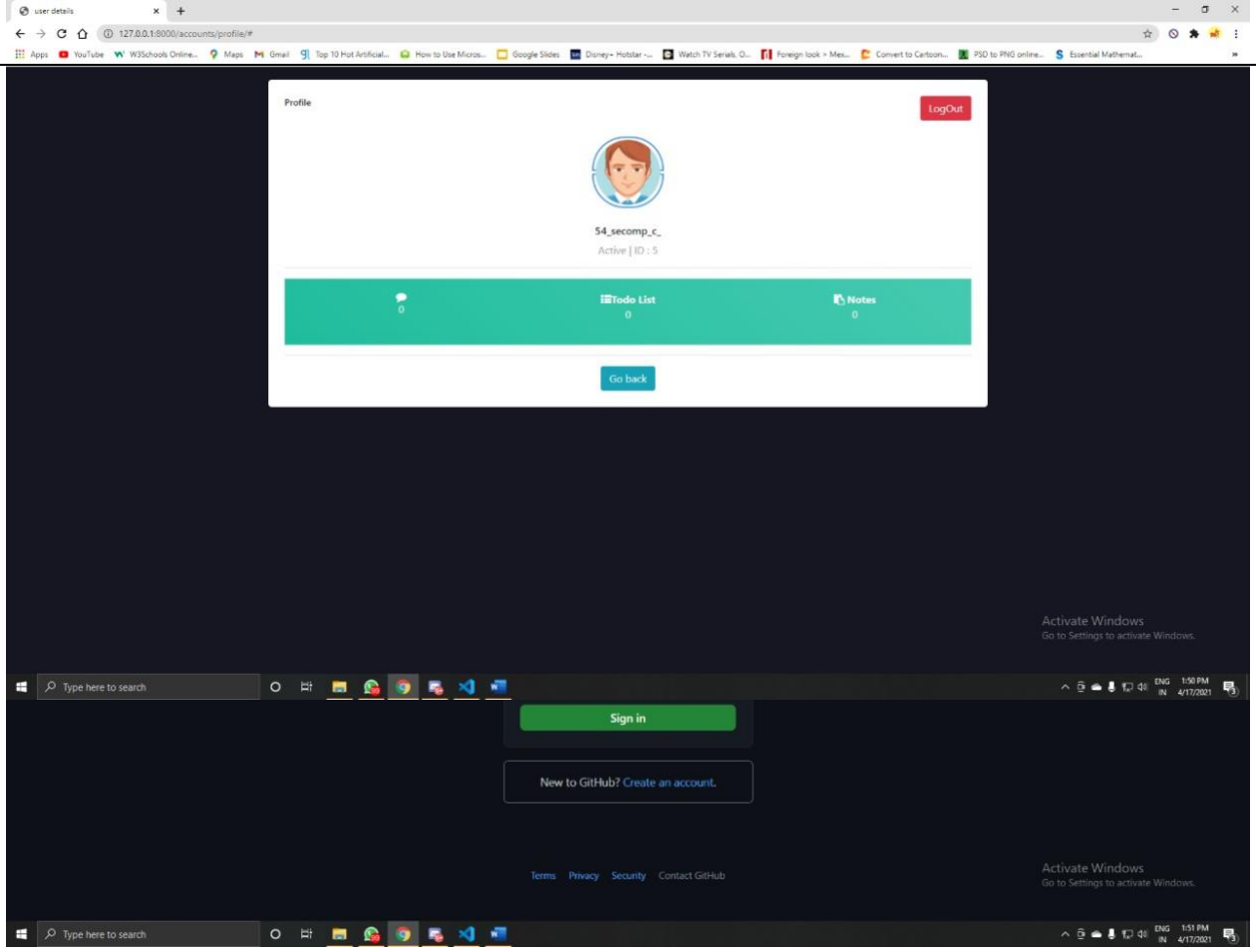
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New to GitHub? Create an account.
Terms Privacy Security Contact GitHub
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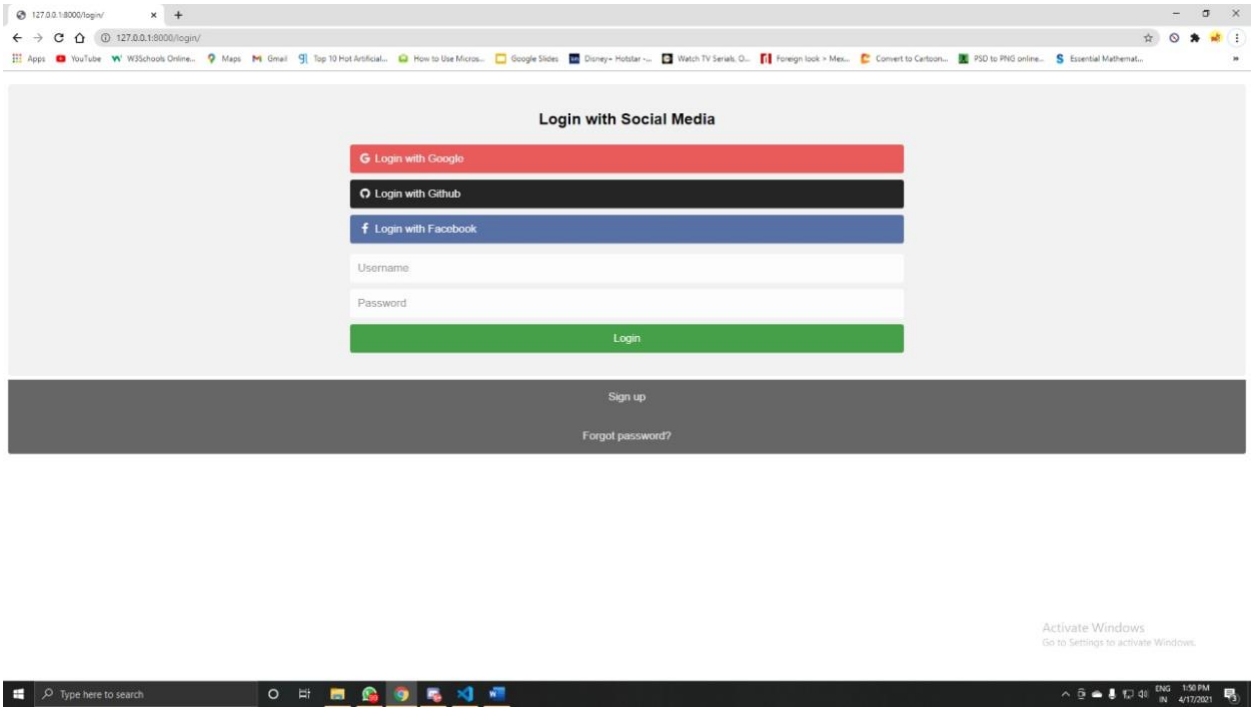
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Login with Github
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Forgot password?
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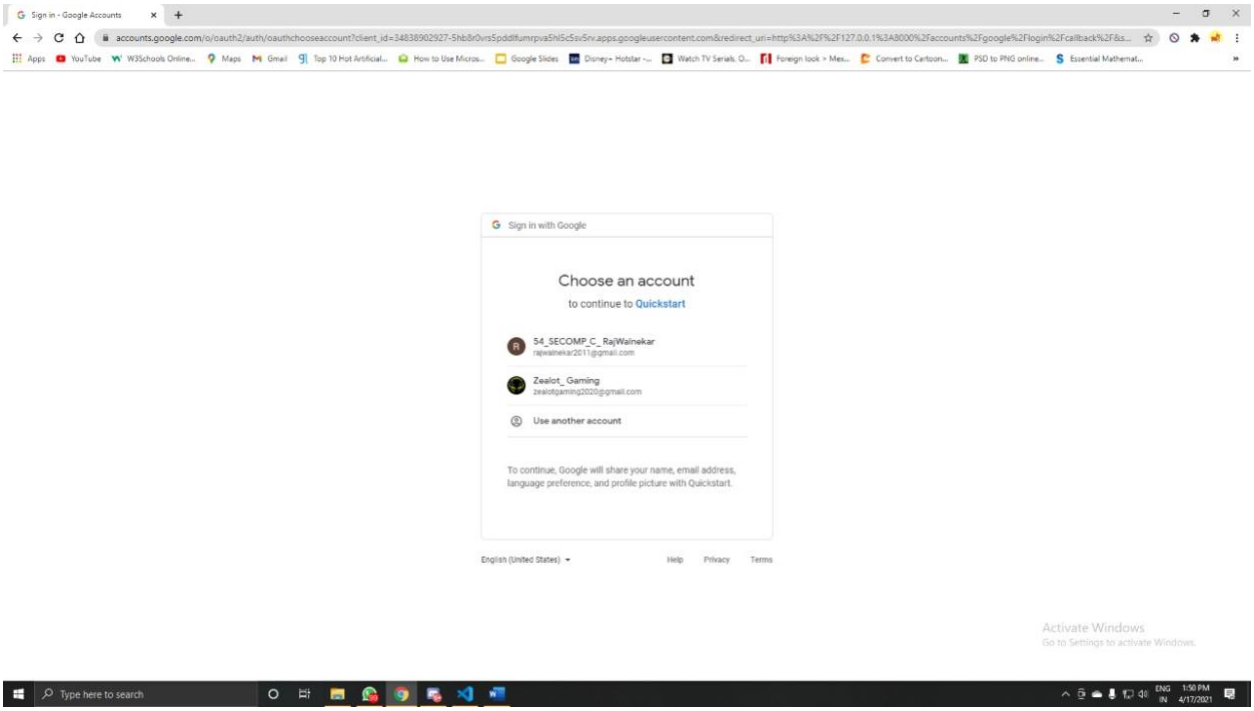

RESULT & DISCUSSION:

So we learned about how we can successfully login or sign-in via a given social account provider just with the help of the keys provided by that particular site. This project can be used in order to fetch the data and make a well built dynamic website were user will be able to see his or her profile or working or anything . This project is highly implemented in bug websites like hotel website, shopping website, educational website and so on.

IMPACT STUDY:

This project made us learn about the advance functionalities provided by python and the frameworks provided by Python like Django. User may login to different social networking sites at different timing, so user may not find his friends online when he logins to the particular social networking website. To overcome this issue our proposed system will bring together our online friends on different social networking sites into a single integrated environment. This would enable the user to keep up-to-date with their virtual contacts more easily, as well as to provide improved facility to search for people across different websites. In this project, we propose a method to identify users based on profile matching. To

match profile we evaluate the importance of fields in the web profile and develop a profile comparison tool. By using this profile comparison tool user can easily find out other friends who are available on different Social networking sites.

CONCLUSION:

So in conclusion we can say that a user can view his friends who are online on different social networking sites in a single integrated environment. User can search for friends who are on other social networking sites using profile comparison tool. This system will help many people to connect with each other. The effectiveness and efficiency of profile comparison tool is that it identifies and consolidates duplicated users on different websites.

REFERENCE:

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- https://testdriven.io/blog/django-social-auth/