

A close-up photograph of a person's hands writing on a small, white notepad with a yellow marker. The person is wearing a blue shirt and a black wristband. The background is blurred, showing a desk and some papers. The text "CS305" is in the top left corner, "User Manual" is in the center, "Mini Project" is below it, and "Class Course Project for Software Engineering Course" is at the bottom.

CS305

User Manual

Mini Project

Class Course Project for Software Engineering Course

User Manual

Prepared By:

- ABHINAV PRATAP SINGH (180010001)
- B SAI YASHWANTH (18001010)
- TARUN GOYAL (180010038)
- UTKARSH PRAKASH (180030042)

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1. Introduction

This application is meant for providing personalized access to media (videos and documents). The media can be fetched from YouTube or Google Drive of the logged in user or the media database of the application. The fetching happens on the basis of a string search done by the user. The application also has an embedded video player for playing the videos in the search results. The user who has either a Google account or Facebook account can also access the media.

2. Prerequisites

- Run the following command to install the Django for this mini project.

```
pip install Django~=2.2.4
```

If you already have Django installed, then you can check the version installed by running the following command:

```
python -m django --version
```

If the installed version of Django is other than 2.2.4 then you can uninstall Django by running the following command:

```
pip uninstall Django
```
- You can download the code from the [git repository](https://github.com/IITDhCSE/miniproject-cs305autumn2020.git) by using the following command:

```
git clone https://github.com/IITDhCSE/miniproject-cs305autumn2020.git
```
- Now to install all other dependencies for the project run the following command:

```
pip install -r requirements.txt
```
- Now run the following commands:

```
python manage.py migrate --run-syncdb  
python manage.py makemigrations  
python manage.py migrate
```
- Now to run the web application run the following command:

```
Python manage.py runserver
```

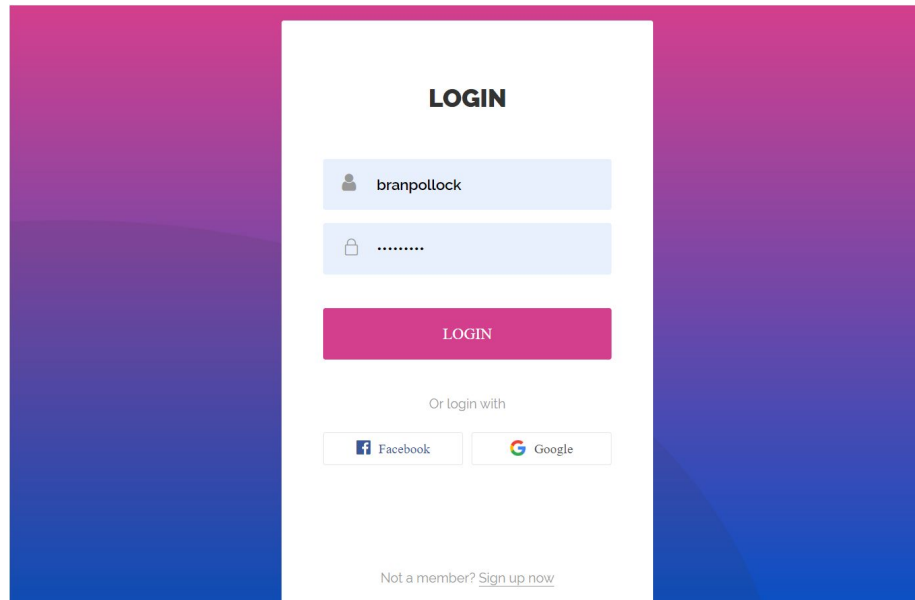
3. Login

- **Without Login**
This is the homepage of the Django Web Application. Click on the *Log in* if you already have an account with Google or Facebook or our application. If you don't have any of the accounts, click on the *Sign Up* button.

Please Login

Want to continue your browsing ? [Log in](#)
Or create a new account ? [Sign up](#)

3.1 Login Page



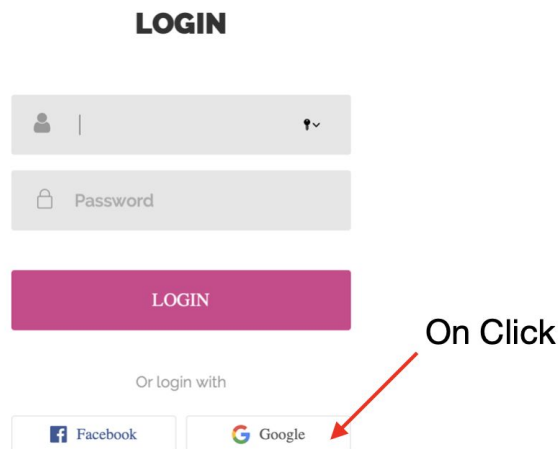
The screenshot shows a login page with a white central card on a blue-to-purple gradient background. The card has the title 'LOGIN' at the top. Below it are two input fields: the first contains the username 'branpollock' and the second contains a masked password '.....'. A red 'LOGIN' button is positioned below the password field. Underneath the button is the text 'Or login with' followed by two buttons: 'Facebook' with the Facebook logo and 'Google' with the Google logo. At the bottom of the card, it says 'Not a member? [Sign up now](#)'.

If you have an account with the application, then you can enter your username and password and login to the application.

If you have an account with Google, then click on the *Google* Button.

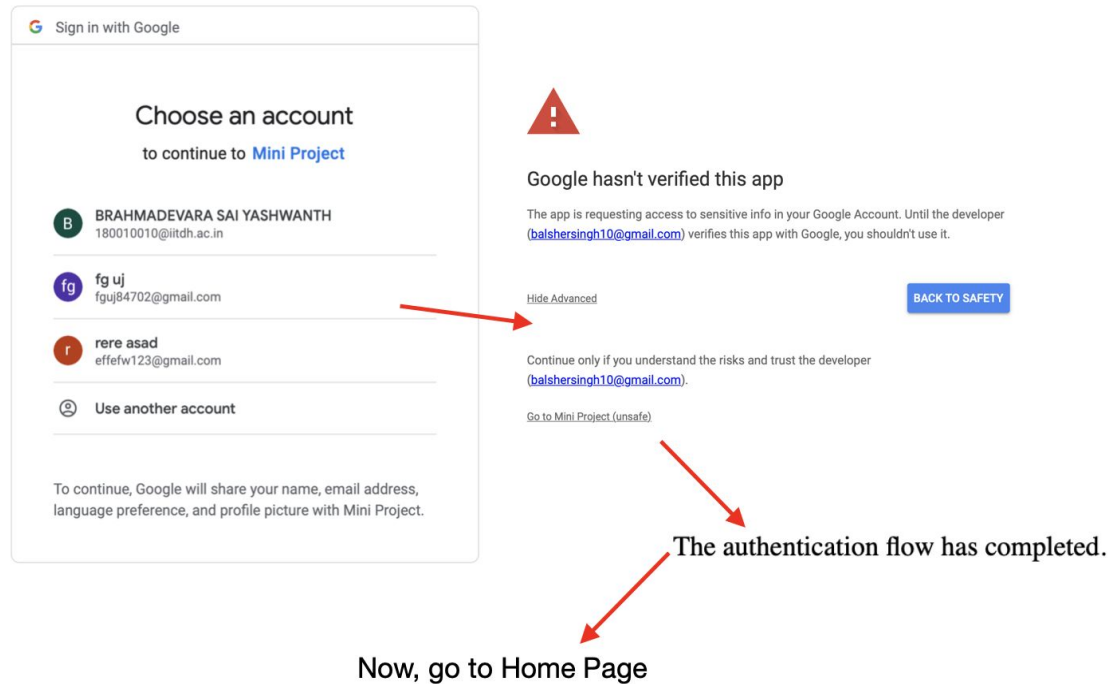
If you have an account with Facebook, then click on the *Facebook* Button.

3.2 Google Login

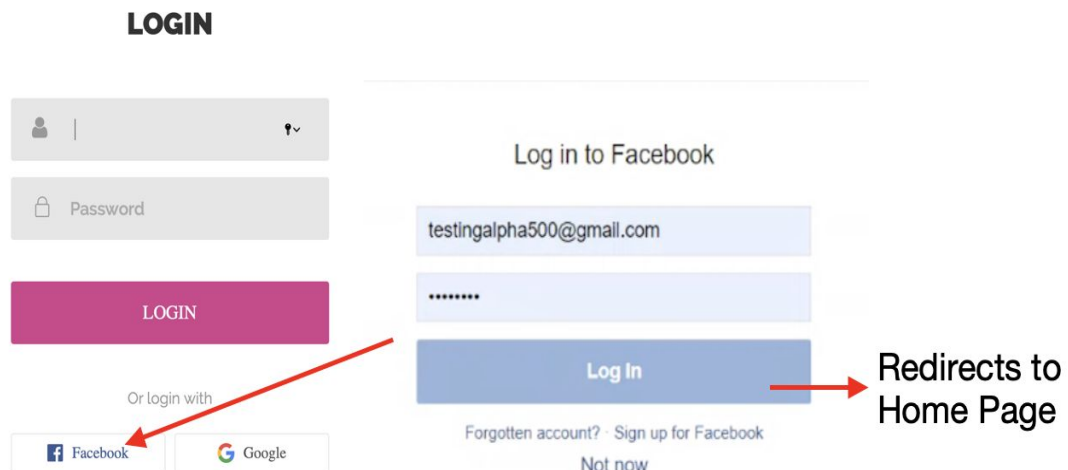


This image is a close-up of the login form, focusing on the social login options. It shows the 'LOGIN' button and the 'Or login with' text. Below this are the 'Facebook' and 'Google' buttons. A red arrow points from the text 'On Click' to the 'Google' button, indicating the action to be performed.

After clicking on the *Google Login* button, choose the Google account from which you want to login. Then click the *Advanced* button and click on “Go to Mini Project (unsafe)”. Then give the necessary permissions. After successful login you will be shown the message “The Authentication flow is completed”. Go to the Django server to access the Home Page (Search Page).



3.3 Facebook Login



After clicking on the *Facebook* login button, you will be redirected to the Facebook login page. Give your Facebook account credentials and click on “Log In”. After successful login, you will be redirected to the Home Page (Search Page).

- **Successful Login**

After a Successful login, you should be directed to the Search Page. You should also see your name on the page.

Log out | Home | |--- loggedin user branpollock ---|

Welcome back! branpollock

Search in search Box

Drive Response

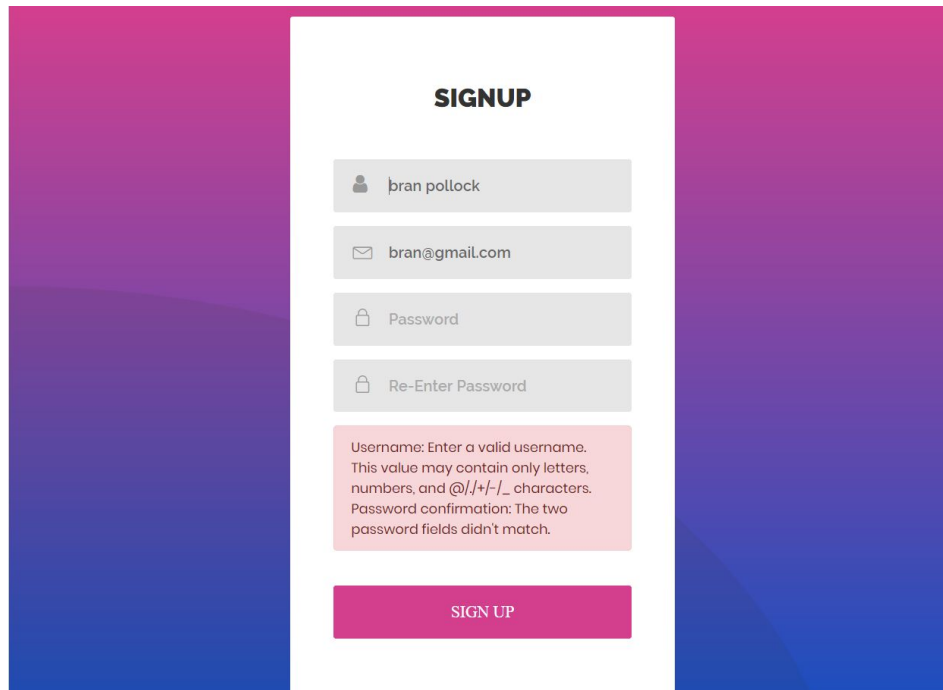
3.4 Sign Up Page

SIGNUP

Already a member. [Back to Login page](#)

If you don't have any of the above accounts, you should *Sign Up* first. When you click on the Sign Up button then you will be redirected to the Sign Up page. Fill the necessary fields and click on Sign Up. After successful Sign Up, you will be redirected to the Login Page.

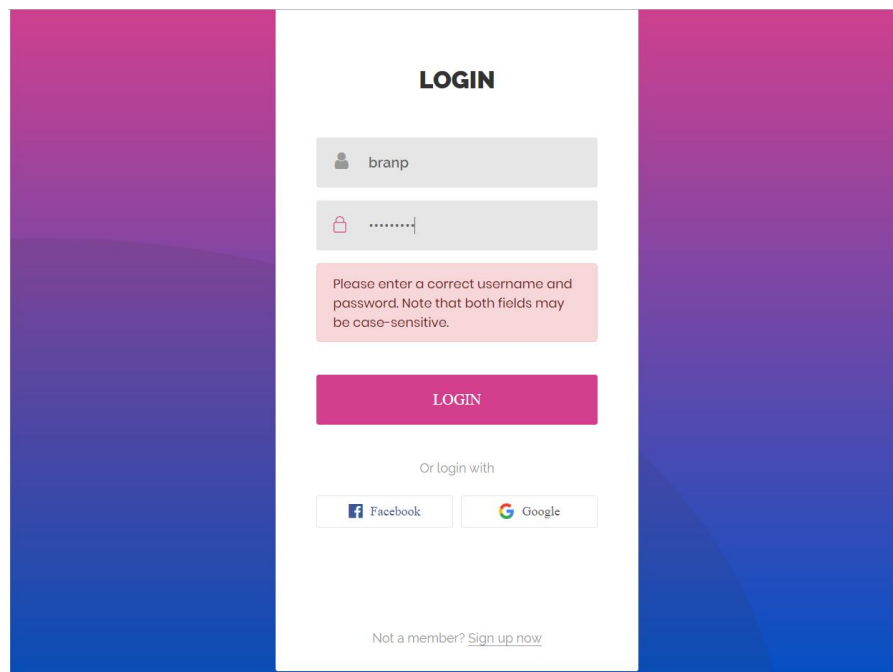
3.5 Invalid Signup



The screenshot shows a 'SIGNUP' form with a pink and blue gradient background. The form has four input fields: 'Username' (containing 'bran pollock'), 'Email' (containing 'bran@gmail.com'), 'Password', and 'Re-Enter Password'. Below the fields is a red error message box with the text: 'Username: Enter a valid username. This value may contain only letters, numbers, and @/./+/-/_ characters. Password confirmation: The two password fields didn't match.' At the bottom is a pink 'SIGN UP' button.

If somehow the Sign Up fails, you will be shown an error message as shown above. Rectify the error and click on “Sign Up” again.

3.6 Invalid Login

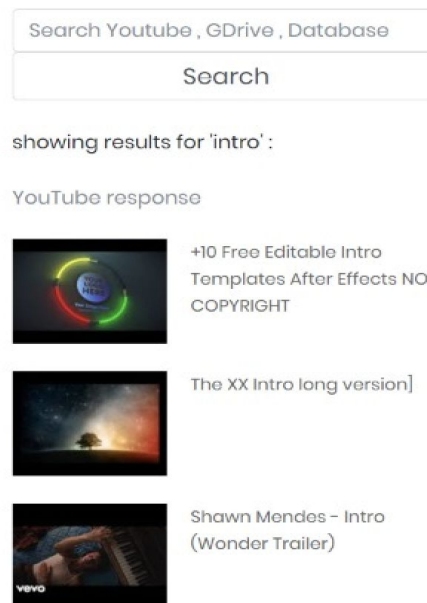


The screenshot shows a 'LOGIN' form with a pink and blue gradient background. The form has two input fields: 'Username' (containing 'branp') and 'Password' (containing '.....'). Below the fields is a red error message box with the text: 'Please enter a correct username and password. Note that both fields may be case-sensitive.' At the bottom is a pink 'LOGIN' button. Below the button is a link 'Or login with' followed by 'Facebook' and 'Google' buttons. At the very bottom is a link 'Not a member? Sign up now'.

If somehow your login fails, you will be shown an error message as shown above. Re-enter the login credentials and click on the Login button.

4. Features

4.1 YouTube Responses



You can enter a string in the search box, for the youtube api to fetch some youtube videos and show them in the youtube response section. If you want to play any particular video you can click on that, and the video will be played in a sidebar video player. At first, only 5 Best videos from youtube are shown. More youtube videos can be fetched by clicking the Load more button which is given below the responses.

If no videos are fetched from youtube, then a 'No Result' message is displayed.



Also when a particular video is played, you can perform operations which are also present in youtube such as (share, caption, video quality etc).

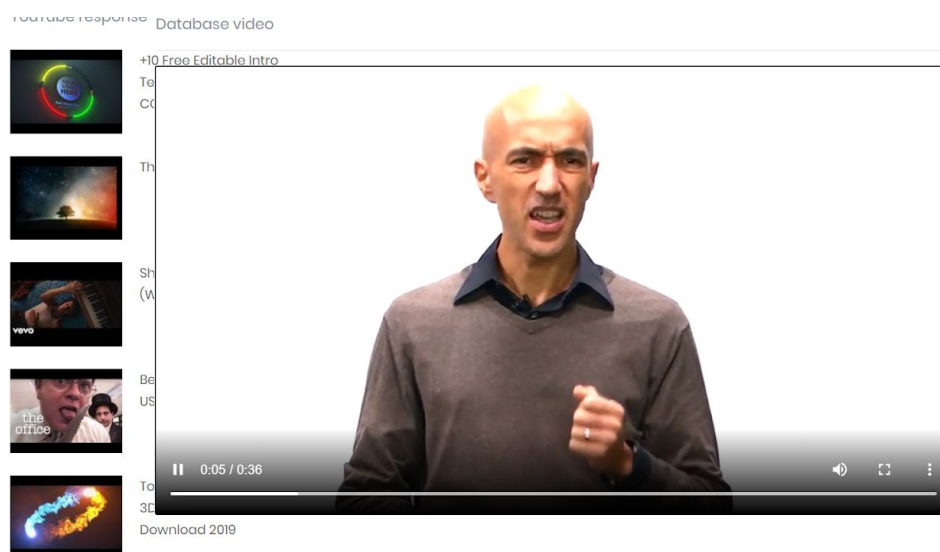
4.2 Google Drive Responses



Along with youtube responses, when you enter a string in the search box, then files present in your Google drive will also be shown using Google Drive interfacing. Videos from Drive are shown in the drive response section. With each file, there is an option for downloading, which will download that file in your Downloads folder. Videos can be played inside the video player by clicking on them.

4.3 Database Responses

With Youtube and Drive response, you can also see the video present in the database. Videos from Database are shown in the database response section. If you want to play any particular video you can click on that, and the video will be played in a sidebar video player.



On clicking the search button we'll get the compiled result of videos from the google drive, youtube and from the database in separate sections.