CNIT 58100-048 Milestone 3

Summary

YouTube provides users the possibility to choose different categories while consuming video

content. Milestone 3 consists of a UI upgrade to the application. The backend is set up using Django and models like the Core model (for my Ajax which can be used to delete a comment and add a comment using **Ajax**) and **Axios** categories that have the categories page, have been created for YouTube users and videos.

The front end renders the list of videos and managers users from the SQLite database.

Users will be able to toggle between "categories " and "basic youtube".

They will also be able to create a profile

All the fields in the table and views are minimalized to accommodate the requirements of this milestone.

 Communication on to user (success or error) is communicated to the user using Alerts

The get and post also the view function

User authentications are done in Django

Created a proper admin page using Admin Page, Superuser using Jazzmin

1. Setup Project

- Create new project types
- Create a new app (core)
- Install Apps in Settings.py
- Configure Templates
- Configure Static and Media Files in settings and Urls.py
- Create a new view, URLs, and template then run the server.

2. Configure Admin Page, Superuser and Jazzmin

- Install Jazzmin (pip install django-jazzmin)
- Add jazzmen in INSTALLED_APPS
- Add Jazzmin Config Code in Settings.py
- Create Superuser
- Login To Admin Section
- The admin User name is prasaddarveshi006@gmail.com
- The password is 123

Link: http://127.0.0.1:8000/admin/

3. Custom User Model (backend)

Create custom "Class User(models.Model):" in models.py

Add AUTH_USER_MODEL = 'userauths.User' in settings.py

4. **Create a Video Model**

- Create video models with all field
- Create View to Display All Videos from DB
- Created a function in admin that I can make the videos private and that will not displayed in the Index

Register Feature (from both back end and front end)

- Created a new function to register using
- Created Forms.py (user creation form)
- Configured Template and URL

Login feature (authenticating feature, from both back end and front end)

- The user cannot comment if he/she is not logged in)
- Create a new function to log in using

Logout feature (authenticating feature, from both back end and front end)

- Create a new function to log out using the Django logout package
- Create query in views.py
- Configure URLs to view

Using Axios to add likes and load likes in real time using CDN lib

- Create a function to like videos and Create another function to load all video likes, Add views to the urls.py file Create a button in html with id to connect to Axios
- Using Axios to add likes and load likes in real time

Comment Feature (Ajax)

For Ajax, I used CDN lib

Get and post method

- I have used the Creted Adding comment feature using Ajax
- I can change add and delete comments without refreshing the page
- You cannot comment if you are not logged in

You can even add video from the Backend

- First, register as a user at http://127.0.0.1:8000/admin/
- Create a user of your choice and give suitable password
- Then at the add channel create a video channel of your choice and give suitable information
- Also, you can add video from the back end to your channel by clicking on add videos on the admin page

Additional Features that I have done

The video count increases every time you go on the video and watch it.