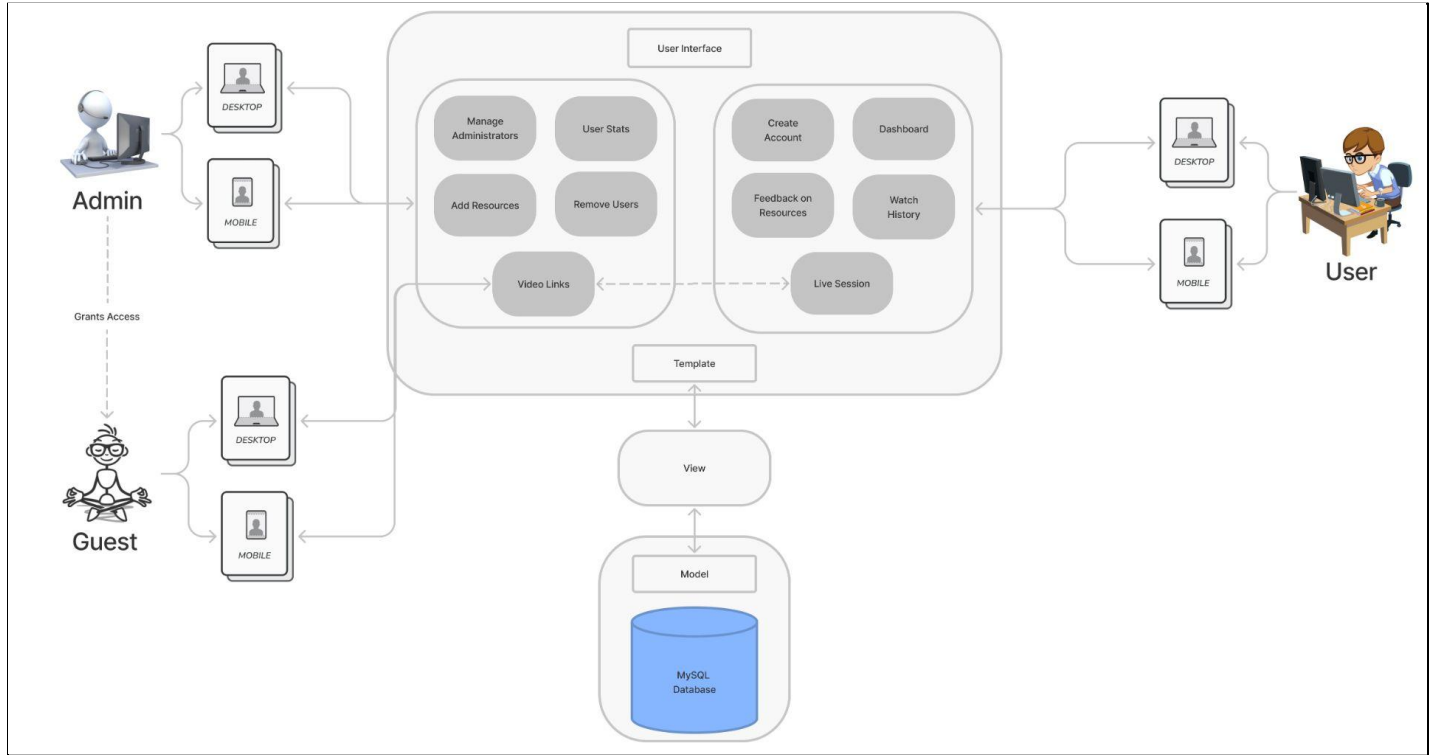# SE-VAULT: Architectural Design and Wireframe
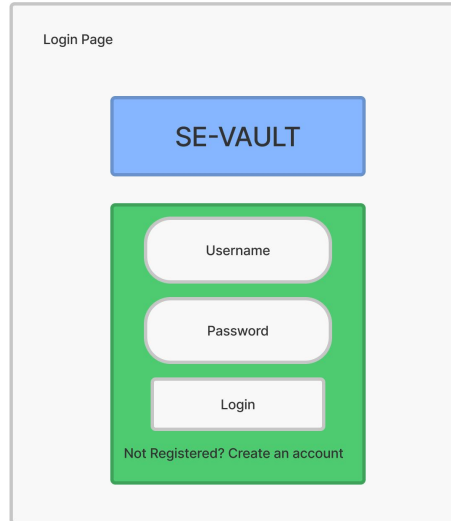
## Architecture Design:



SE-VAULT will follow a mix of event-based and layered architectural design patterns. Since Python and Django are used for the back-end of the application, the architecture that will be followed is Model-View-Template. Main functionality will be written in the View part. Database schema will be designed in the Model and the front-end of the application will be the Template files. Whenever the user tries to access the website, the view will fire the required template and the user will see that Template file on his screen. For instance, when a user is not authenticated, the user will see the login page on the screen. In MVT design, every part of the architecture is a different entity therefore, this will provide us the required modularity for concurrent collaboration.
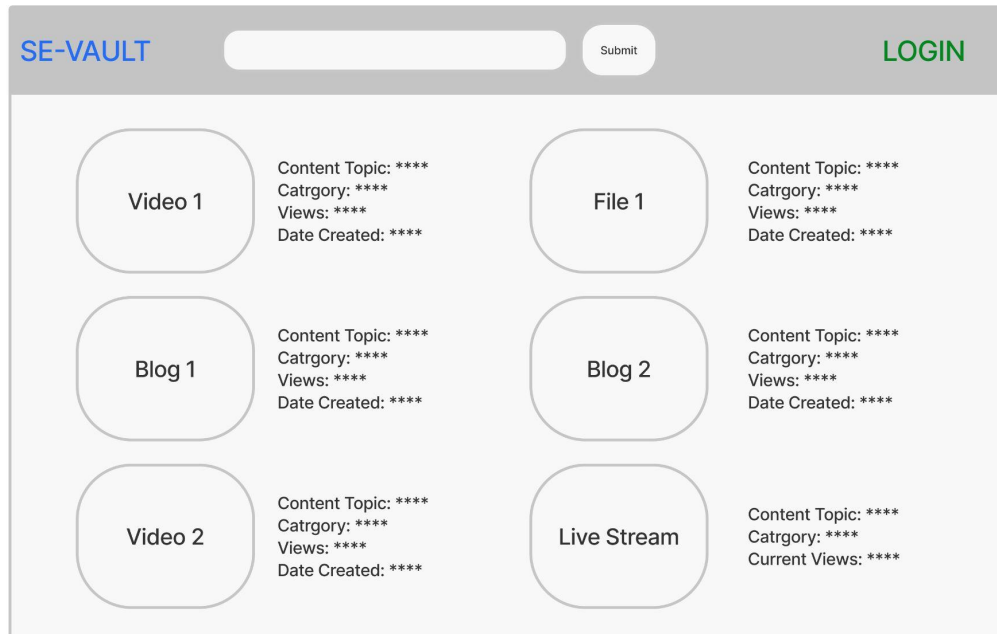
## WireFrame:

### A. User Pages:

    **a. Login Page**



    This is the login page for normal users to access SE-VAULT. It is a precursor to view any resource available on the system or to attend any recreational activity.
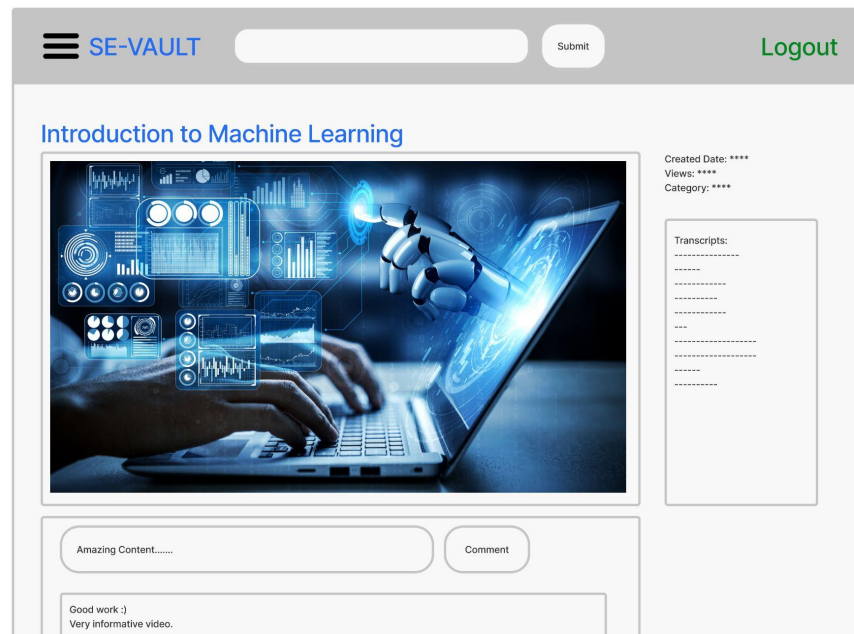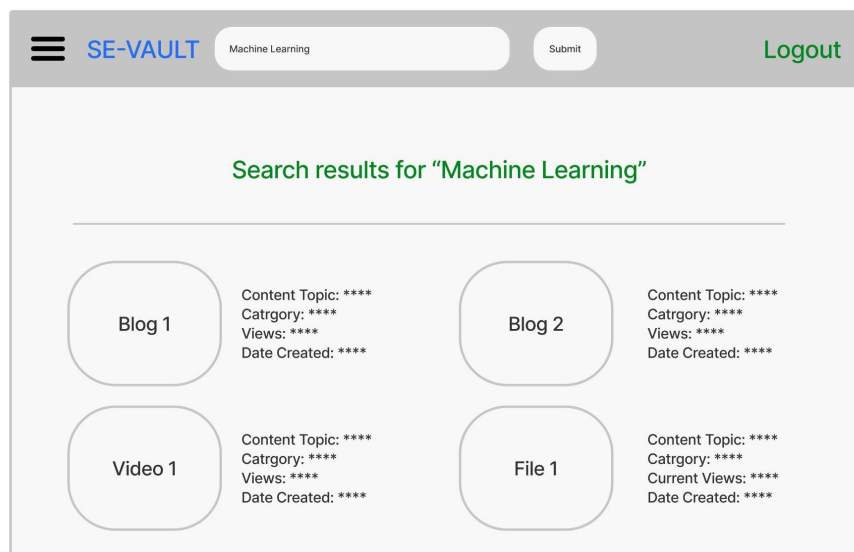
    **b. Dashboard:**



This is a Dashboard template that gives a glimpse to site visitors. In order to view the content, the user should first log in. Once they are logged in, users will have the same page with a side menu button and a search bar to look up for any topic they are interested in.

c. **Content Page:**



This is a template for the Content page which can be a blog, a video, a file, or even a live stream session. It is accessible to all the logged-in users and has a hamburger menu button on the top-left side of the website. It has options for comments, transcripts, likes depending on content.
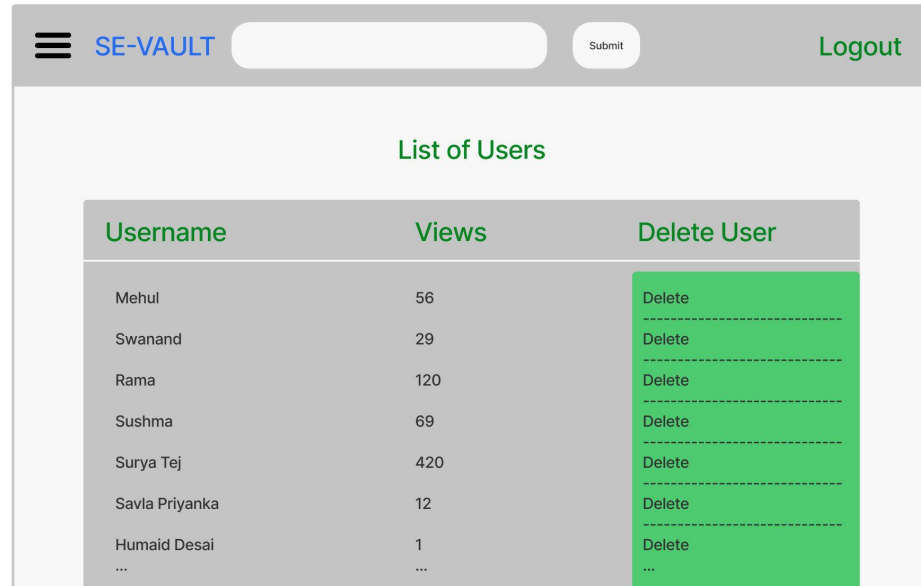
d. **Search Feature:**



This is a search feature template and it will filter content based on the keyword provided in the search bar. It will retrieve all the related resources available in the database.
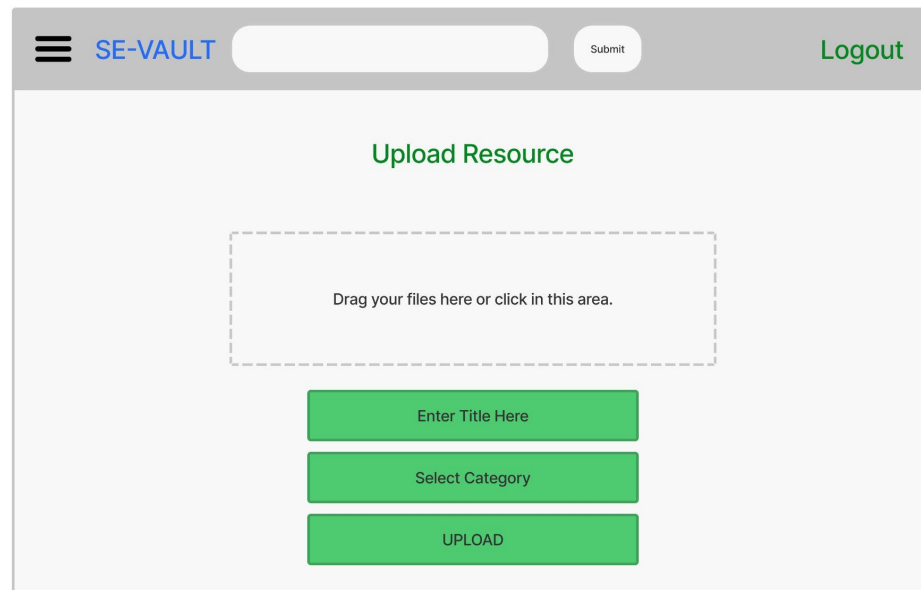
**B. Admin Pages:**
    **a. Manage Users:**

| Username | Views | Delete User |
|---|---|---|
| **SE-VAULT** | Submit | Logout |
| **List of Users** | | |
| Mehul | 56 | Delete |
| Swanand | 29 | Delete |
| Rama | 120 | Delete |
| Sushma | 69 | Delete |
| Surya Tej | 420 | Delete |
| Savla Priyanka | 12 | Delete |
| Humaid Desai | 1 | Delete |
| ... | ... | ... |

This is a template for the Manage user page which is only accessible for all the admins. Using this, the admins can see all the user stats and activities. It also has options to delete a specific user.

    **b. Upload resource:**

| SE-VAULT | Submit | Logout |
|---|---|---|

**Upload Resource**

Drag your files here or click in this area.

Enter Title Here

Select Category

UPLOAD

This template is for uploading a new resource to the SE-VAULT which is only accessible to the admins. Admins can upload any resources including PDF, Image, or Video. Key-in the desired "Title" for the resource and select a category from the dropdown menu. Once the resource is successfully uploaded, all users subscribed to that category, will be notified.