Assignment Case	
WDP H3	BINUS UNIVERSITY
Periode Berlaku Semester Genap 2024/2025 ***Valid on*** *Even Year 2024/2025*	**Software Laboratory Center** **Assistant Recruitment 25-2**

Materi
Material

- CSS
- JS
- PHP

Soal
Case

ZouTube

You are assigned to create a website called ZouTube. This website aims to help users express their creativity. There are two main roles: **Creator** and **Client**. Creators can upload videos, while Clients can watch videos. All data and information in this project must be **stored in JSON format**. Further details about ZouTube will be explained below.

➢ **Navbar**

- The navbar contains two components for Creators (**ZouTube logo** and **Logout button**) and three components for Clients (**ZouTube logo**, **Search field**, and **Login button**).

- When a user presses **Enter** in the search bar, they will be redirected to the **Search** page.

- If a Creator clicks the **ZouTube logo**, they will be **redirected** to the **Dashboard page**.

- If a Client clicks the **ZouTube logo**, they will be **redirected** to the **Home page**.

- If a Client clicks the **Login**, they will be **redirected** to the **Login page**.

- If a Creator clicks the **Logout button**, please clear the **currently saved user data**.

Figure 1. Creator Nagivation Bar

Figure 2. Client Navigation Bar

➢ **Home Page**

- This page displays only videos with **public visibility**.

- Video information contain **thumbnail**, **duration**, **title** and **creator name**.

- When the user hover the video card add **hover animation**.

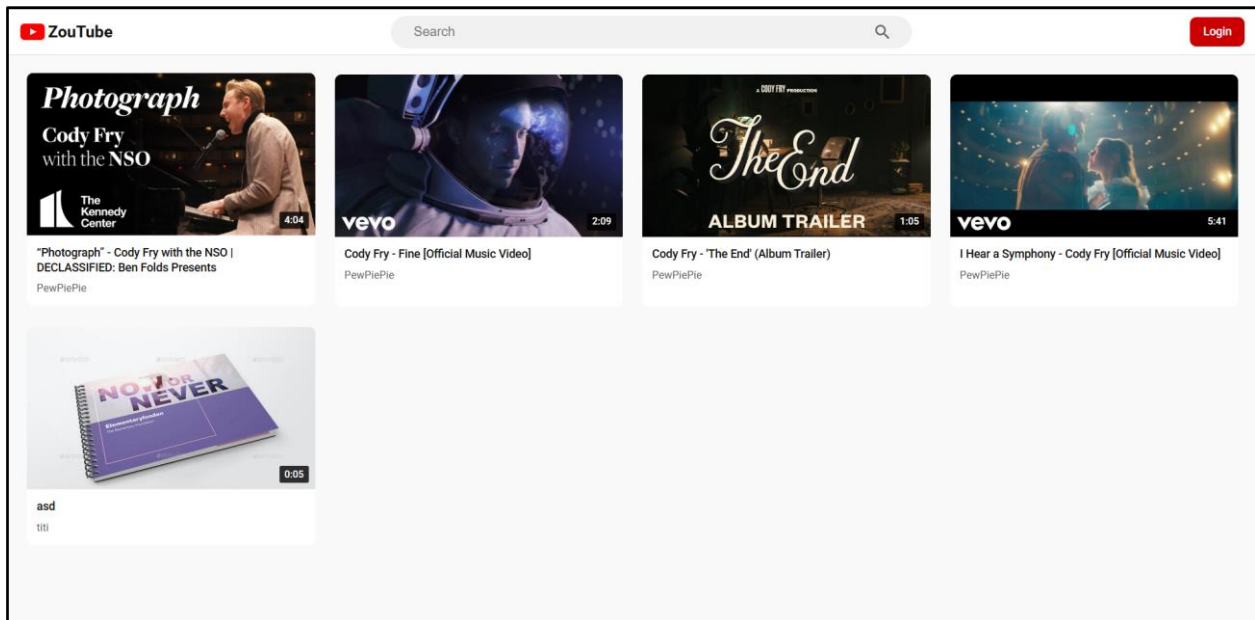- When a user clicks on a **video card**, they will be redirected to the **Watch page**.

Figure 3. Home Page

➢ **Search Page**

- Display the user's search query in this format: **[You searched for "X"]**.

- This page displays only videos with **public visibility**.

- Show the **number of results found** based on the search.

- Display all videos whose **titles contain the keywords** from **the user's search query**.

- If the user searches using a **hashtag** (e.g., **#music**), show videos that have **matching hashtags in their descriptions**.

- Video information **contains thumbnails**, **duration**, **title**, **creator name** and **description**.

- When a user clicks on a **video**, redirect them to the **Watch page**.
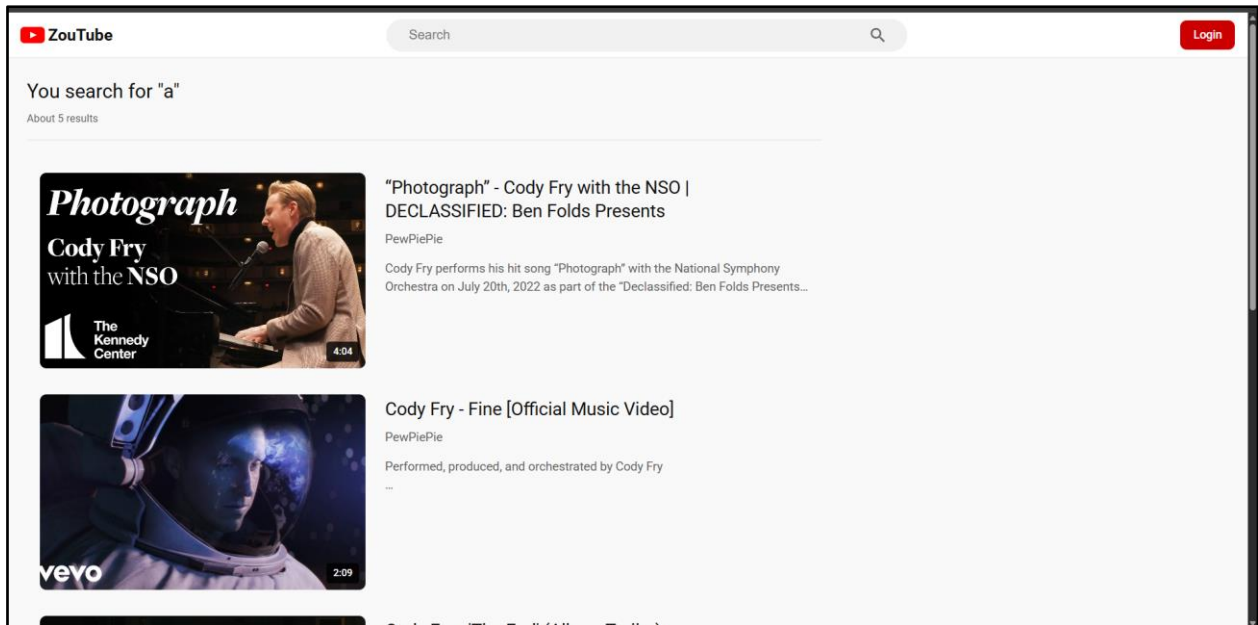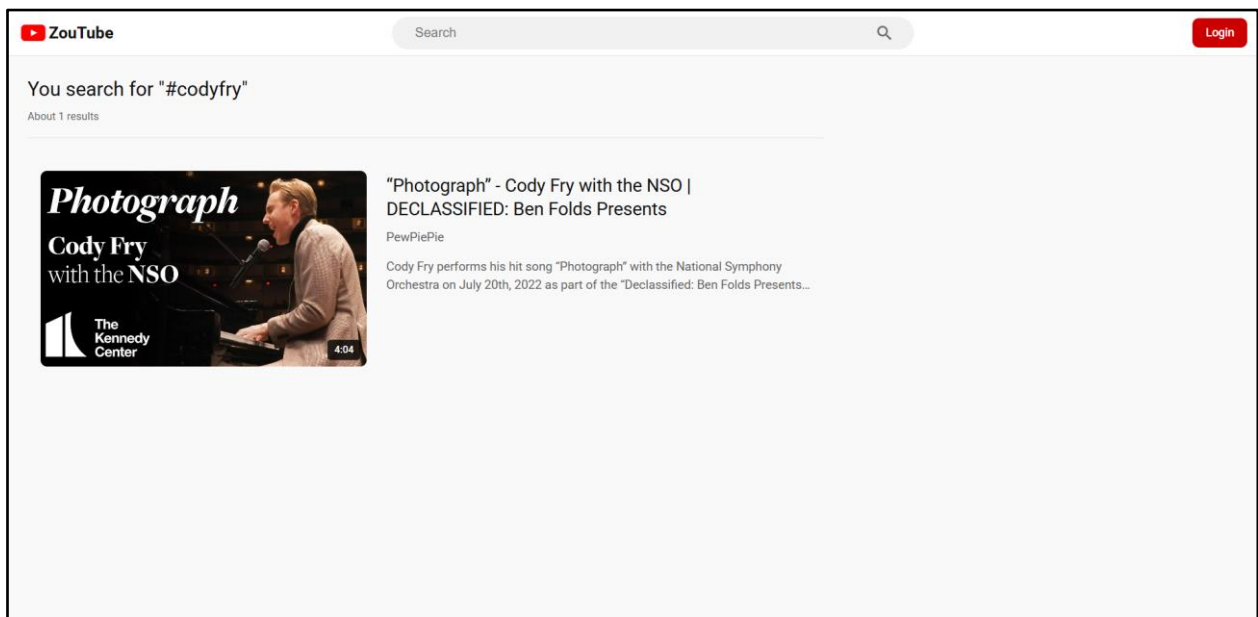
Figure 4. Search Page (Search Title)

Figure 5. Search Page (Search Hashtag)

➢ **Watch Page**

- In this page will be devided into 2 sections: **left tab** and **right tab**.

- The **left tab** contains the **video player**, **title**, **creator name**, and **description**.

- The **right tab** displays **recommended videos**. When the user clicks on a recommended video, they will be **redirected to the Watch page** with the corresponding video loaded.

- In description please **validate** that **hashtags** in the description are styled in **blue** and validate that when a user **clicks on a hashtag**, they will **redirect to the Search page**, and the page displays **videos related to the clicked hashtag**.
- Video component contains:
  - **Duration Bar**, if user click on **duration bar** will **jump on that duration**.
  - **Current duration** and **video duration**, validate the current duration is working appropriate with the **video current duration**.
  - **Play/Pause button**, Validate if **user clicks** the button, **the icon will change** appropriate with **play or pause** state.
  - **Voice icon** and **Voice bar**, Validate if user **click or drag voice bar will be approriate with the volume level**.
  - **Full Screen Icon**, Validate if user **click fullscreen icon** will **show the video with fullscreen preview**.
  - Validate if user **click on the video** change the **video state to pause/play**.
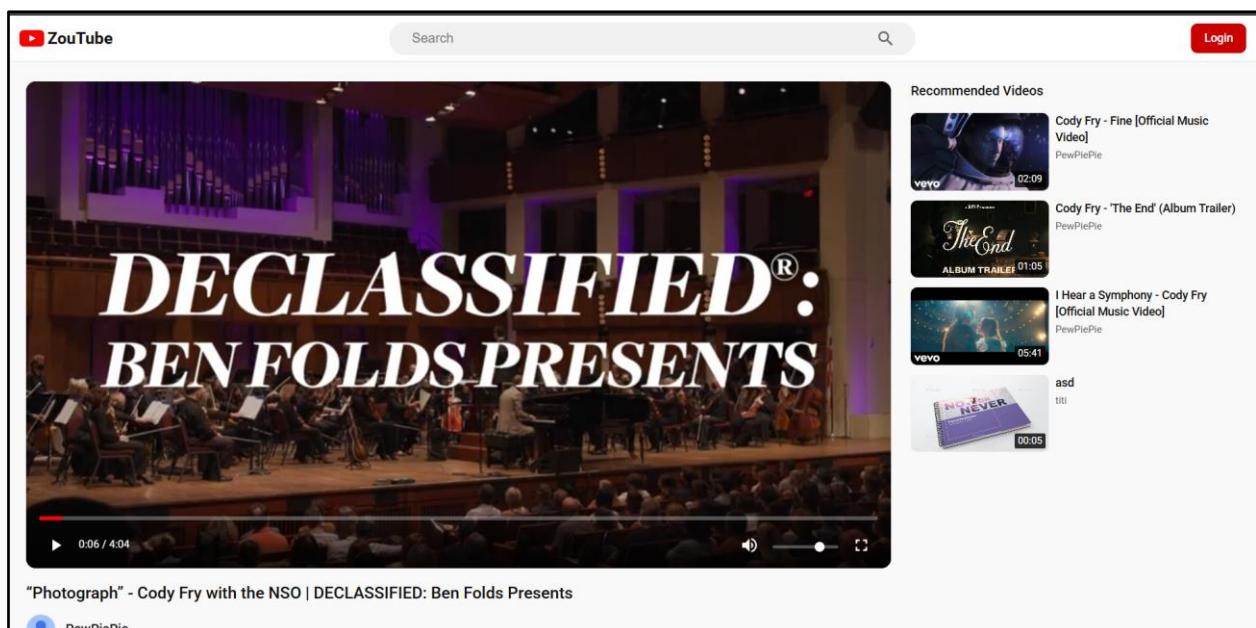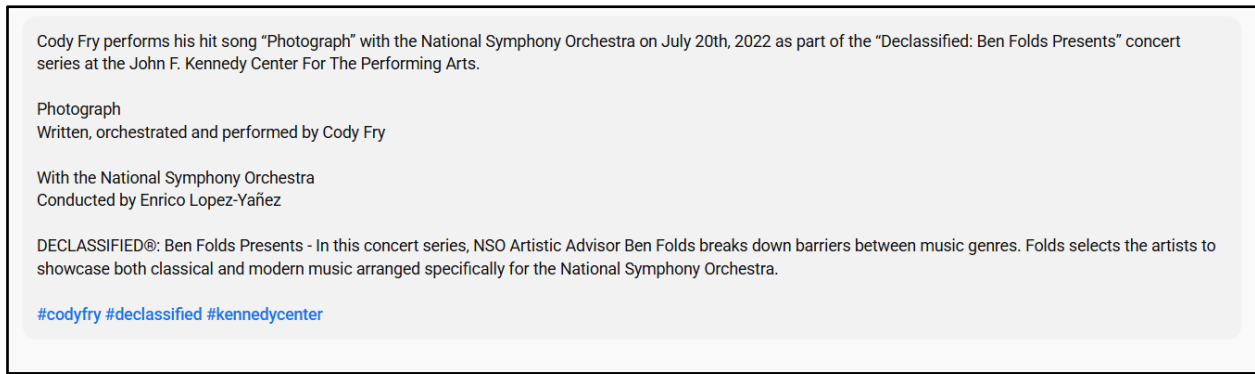

Figure 6. Watch Page

Cody Fry performs his hit song "Photograph" with the National Symphony Orchestra on July 20th, 2022 as part of the "Declassified: Ben Folds Presents" concert series at the John F. Kennedy Center For The Performing Arts.

Photograph
Written, orchestrated and performed by Cody Fry

With the National Symphony Orchestra
Conducted by Enrico Lopez-Yañez

DECLASSIFIED®: Ben Folds Presents - In this concert series, NSO Artistic Advisor Ben Folds breaks down barriers between music genres. Folds selects the artists to showcase both classical and modern music arranged specifically for the National Symphony Orchestra.

#codyfry #declassified #kennedycenter

Figure 7. Watch Page Description

➢ **Login Page**

- Add a **title** that says "**Login as a Creator**".

- Add a **Username field** with an appropriate **placeholder**.

- Add a **Password field** with a proper **placeholder** and ensure it uses **password characters**.

- Add a **Login button**. If the user clicks the button, validate the username and password. If a matching user is found, redirect the user to the **Dashboard** and save the current user to the **session**. If the login fails, display an **error message**.

- Add a **Register** link. If the user clicks the link, redirect them to the **Register Page**.

- Add a **Back to Home** button. If the user clicks the button, redirect them to the **Home Page**.
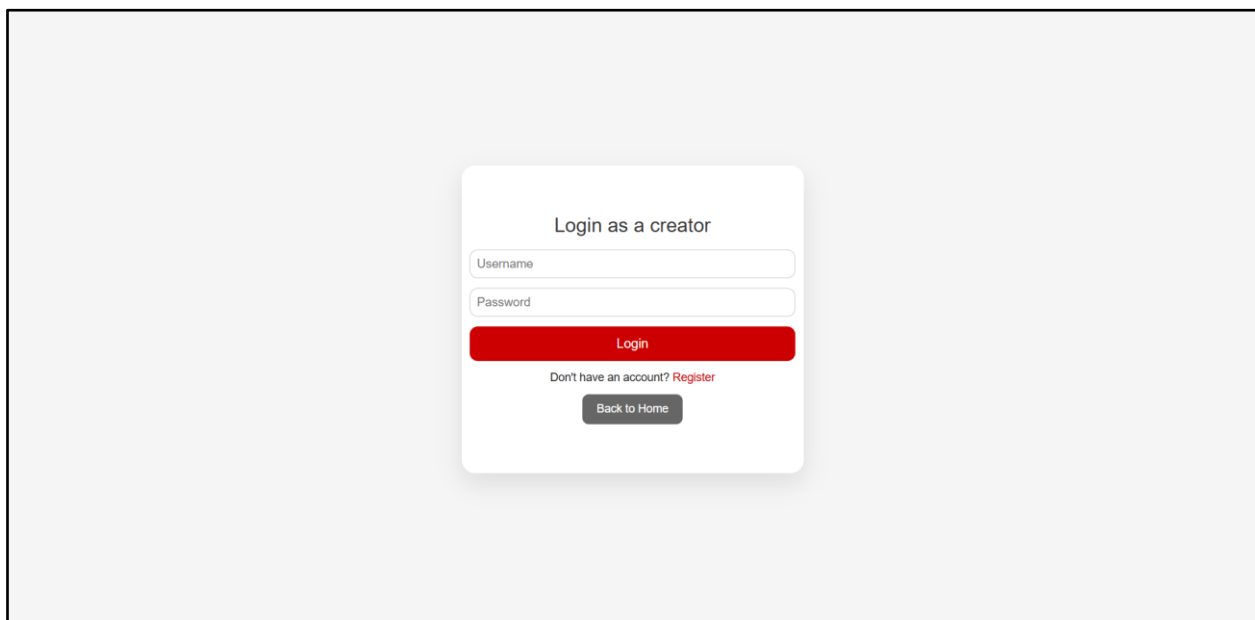

Figure 8. Login Page

➢ **Register Page**

- Add a title that says "**Become a Creator on ZouTube**".

- Add a **Username field** with a proper **placeholder**.

- Add a **Password field** with a proper **placeholder** and ensure it uses **password characters**.

- Add a **Confirm Password** field with a proper placeholder and ensure it also uses **password character**.

- Add a **Register** button. When the user clicks the button, check for **empty fields**, ensure the **password matches the confirm password**, and check if the **username already exists**. If all checks pass, save the user data to **JSON**, and **redirect the user to the Login Page**.

- **Hash the password** before saving it to the **JSON** file.

- Display an **appropriate error message** if any issue occurs during registration.

- Add a **Login** link. If the user clicks the link, redirect them to the **Login Page**.

- Add a **Back to Home** button. If the user clicks the button, redirect them to the **Home Page**.
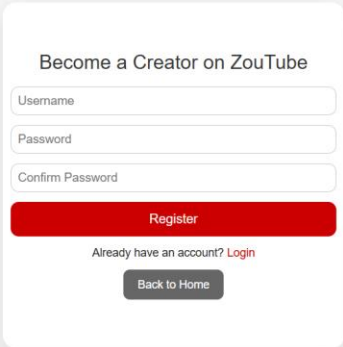

Figure 9. Register Page

➢ **Left Side Bar Component (Dashboard page and Upload page)**

- The left sidebar contains **two tabs**: **Content** and **Upload Video**.

- When the user clicks the **Content** tab, redirect them to the **Content Page**.

- When the user clicks the **Upload Video** tab, redirect them to the **Upload Video Page**.

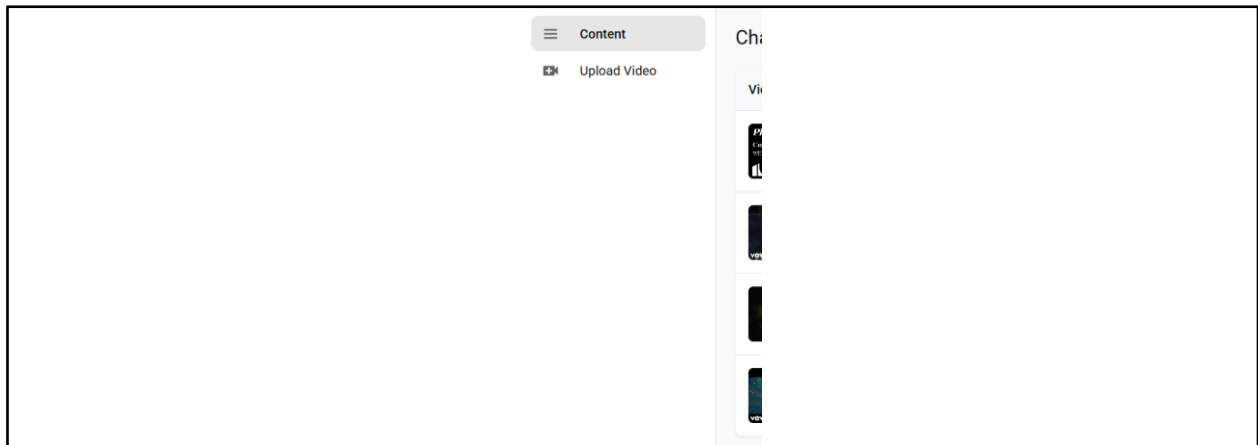- Add an **indicator** to highlight the **currently active page** in the sidebar.

Figure 10. Left Side Bar

➢ **Content Page**

- Only **Creators** can access this page.

- Display each video with the following details: **thumbnail**, **duration**, **title**, **description**, **current visibility status**, and an **action button** to toggle visibility (e.g., "**Make Private**" or "**Make Public**") based on the current status.

- Show **only videos uploaded by the currently logged-in user**.

- When the user clicks the **action button**, update the video's visibility accordingly.
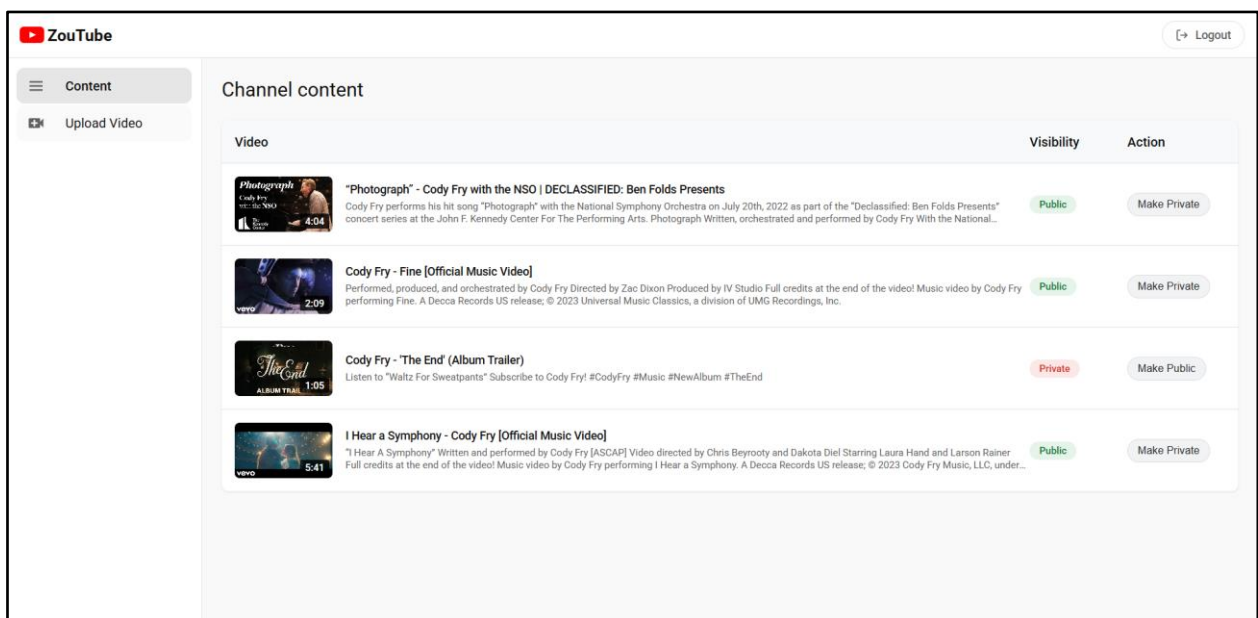

Figure 11. Content Page

➢ **Upload Page**

- Only **Creators** can access this page.

- The page should display a **form** that includes the following fields: **Title**, **Description**, **Thumbnail file picker**, **Visibility selector**, **Video file uploader**, and a **Publish** button.

- The **Publish** button should be **enabled only when all required fields are completed**.

- When selecting a **thumbnail**, allow the user to pick **image files only**.

- When selecting a **video**, allow the user to pick **video files only**.

- The **Visibility** selection should follow the **design style shown in the provided images**.

- After a video is selected, display the **file name**, **file size**, **video duration**, and a **"Change Video"** button.

- If the user clicks the **"Change Video"** button, remove the currently uploaded video.

- **After the user successfully publishes a video, save the video data in JSON format, then redirect the user to the Dashboard Page**.

Figure 12. Upload Video

Figure 13. Choose Visibility

Komponen Penilaian
Scoring Component

No	Component	Weight
1	Navbar	3%
2	Home Page	15%
3	Search Page	15%
4	Watch Page	25%
5	Login Page	5%
6	Register Page	5%
7	Dashboard Left Side Bar	2%
8	Content Page	10%
9	Upload Page	20%
Total		100%