

# **METUBE**

## **A MULTIMEDIA DATABASE PROJECT**

Link to the web portal:

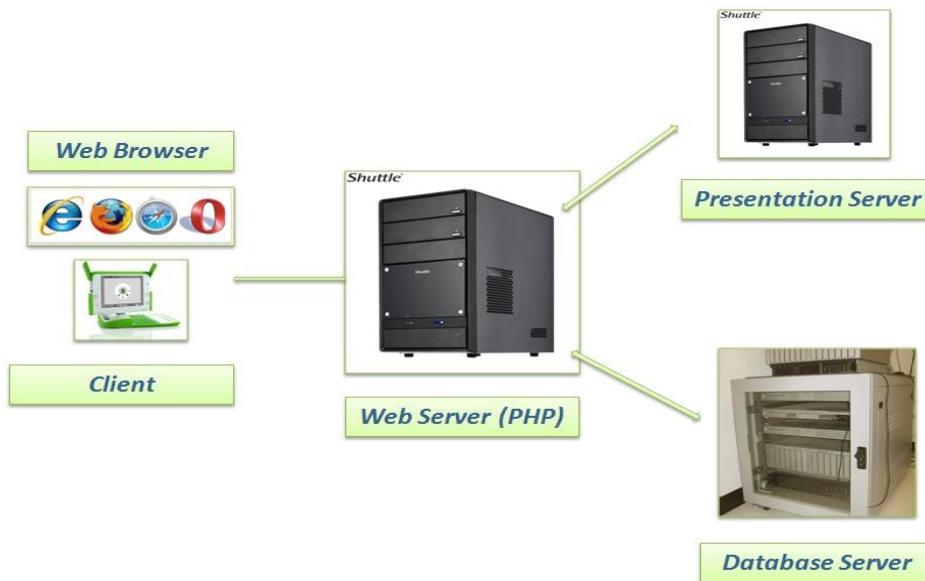
**<http://webappcomputing.clemson.edu/~uravill/MeTubeG7/>**

### **INTRODUCTION**

- MeTube is a customized version of the popular YouTube website. It contains a wide range of content, including photos, animation clips, audios and videos.
- There are two sorts of users on our site: Registered and Unregistered. Users who are not registered can just view or download the media. After signing in to their account, registered users can submit video, access material, alter their profile, and so on.
- Registered users can also subscribe to channels, create playlists, and send and receive messages from one another via the built-in messaging system.

## SYSTEM DESIGN

- To implement MeTube's features, this system employs using the WAMP architecture.



- WAMP is an abbreviation for Windows, Apache, MySQL, and PHP. Because it is a software stack, installing WAMP installs Apache, MySQL, and PHP on your operating system.
- Even while they can be installed independently, they are frequently bundled together, and for good reason.
- It's worthy to note that WAMP is derived from LAMP (the L stands for Linux). The main distinction between these two is that WAMP is used for Windows, whilst LAMP is used for Linux-based operating systems.

Let's go over what each letter represents quickly:

- The letter "W" stands for Windows, and there are also LAMP (for Linux) and MAMP (for Mac OS X) (for Mac).

- The letter "A" stands for Apache. Apache is the server software in charge of serving web pages. When you request that a page be shown to you, Apache grants your request over HTTP and displays the site to you.
  - The letter "M" stands for MySQL. MySQL's role is to function as your server's database management system. It saves all necessary information such as your site's content, user profiles, and so on.
  - The letter "P" stands for PHP. WordPress was written in this programming language. It serves as a glue for the entire software stack. PHP is operating alongside Apache and talking with MySQL.
- 
- WAMP functions on your PC as a virtual server. It allows you to test all WordPress features without risk because it is localized on your machine and not connected to the internet.
  - This means you don't have to wait for things to be posted to your site, and it also makes creating backups much easier. WAMP streamlines the development and design processes for both developers and theme designers.
  - Furthermore, you have the option of tinkering with your site to your heart's delight. However, in order for the website to become live, you must first obtain some type of hosting service as well as a Domain. More information on web hosting for beginners can be found in our beginner-friendly page.

## USER MANUAL

### → Register, Login and Logout:

- Go to the URL of the website and click the 'Register' button in the upper right hand corner. You can still use a limited number of MeTube's publicly accessible services if you do not want to register.
- If you attempt to navigate to any of these pages while not logged into an account or an account with proper permissions, you will be unable to access the material. Fill in the required information and click 'Register.'
- You'll need to remember your username and password, so keep them handy! To log out of your account, click the 'LogOut' button in the top

right-hand corner at any time after registering. You can regain access to your account by clicking the 'Login' link in the upper right-hand corner.

→ **HomePage:**

- After registration or logging in, MeTube will refresh the browse page, which presents the most recent content from the uploaded content on MeTube. When you click on the name of a file or the image preview, you will be redirected to the content.
- Users who are logged in can quickly view and build their own playlists from the browse page. All visitors can use the primary search box to find specific content on MeTube. Simply enter a search term and press the search button. Users who are logged in can create a channel.
- You can sort the media by category, name, size, most recent, most seen, and so on. By clicking the manage playlist option, you may manage your playlists. Users that are logged in can upload media files.

## **Navigation Bar:**

- MeTube's persistent navigation bar will accompany you around the site, providing rapid access to the site's primary features. The top Metube logo's link will lead you to the main page.
- When you are not logged in, you will see two options in the upper right corner inviting you to login or register. When logged in, you can see logout and profile links at that location.

## **→ Viewing Media:**

- When you browse media hosted on MeTube, you can see who posted it, the media's name and description, the media's view count and average rating, and comments on the media.
- Logged in users can Favorite the media or add it to other playlists, subscribe to the user, rate and comment on the media, or respond to other users.
- You can download the media using the download button if you have the necessary permissions.
- You can only comment and rate if the media has granted you permission. You can also see media-related recommendations.

## **→ Uploading Media:**

- Choose the 'Choose File' option to traverse your computer's file system and select the file to upload.
- Give that file a name that you want to see on MeTube, as well as any tags that will help others find your media.

- You cannot upload files larger than 10MB in size. You are unable to upload media without a title.

You can adjust the default sharing permissions, which are set to public. You can also adjust the permissions for discussion and rating, which are set to yes by default. To post it, click the 'Upload' option.

### **Deleting Media:**

- You can delete uploaded media by heading to your profile page and clicking the delete button next to the media name in the My Media section.

### **→ Managing Your MeTube Account:**

- When you click the 'Profile' link, you will be taken to a website with a form where you can update your email address and password. However, you are unable to alter your username.
- To update it, enter a new email address and click submit. This will simply alter the email address. Because the old password is already shown, you must enter a new password and confirm it.
- When you click the 'Submit' button, all of your changes will be applied immediately.

**→ Contacts:**

- Contacts allow you to send messages to users, delete contacts, and prevent others from accessing your material and sending you messages.
- When a blocked user attempts to add you to their contact list, they will be told that they are blocked.

**→ Add Contacts:**

- You can add contacts who are MeTube users. Existing contacts cannot be added.  
You can choose a relationship with the contact to grant permissions to various media files that are only available to specific relations.

**Messages:**

- To send messages to a contact, click the message link next to their name.
- When you become his contact, he will be able to see your message.
- If you block a contact, he will not be able to see your messages.

**→ Groups:**

- Using the link on the profile page, you can create a group. You may also join or quit an already existing group.

- You cannot read or send messages in a group unless you first join it. Once you've joined, you can view/send messages in that group by clicking on its name.

→ **Playlists:**

- You can make a new playlist from the explore page by giving it a name and clicking the add button.
- Your playlists are shown in a list beneath the media. Users that are logged in and own the playlist can manage it by clicking the manage playlist button.
- You can view all of your playlists and files within each playlist here, or you can delete a playlist/file by clicking the delete button next to it.

→ **Channel:**

- A channel is added to your account by selecting a username from the 'Add Channel' drop-down menu on the home page. You can examine the user's publicly accessible media files and filter based on them. You can use the 'My channel' filter to filter your media files.



### **Subscriptions:**

- You can subscribe to any user by clicking on the subscribe button next to a media file the user has submitted.
- You may view your subscriptions in the toolbar once you've subscribed.
- You can view the user's accessible media files by clicking the username of the user to whom you have subscribed.

### **→ Word Cloud:**

- The word cloud may be viewed by clicking the word cloud button in the toolbox. It lists all of the keywords that were utilized.
- The most often used keyword is the largest in size.

### **→ Search:**

- You can search for any file by keywords, category, file size, file name, date uploaded, and file type.
- When you type the word and click the search button, you will be taken to a website that displays all related media files.

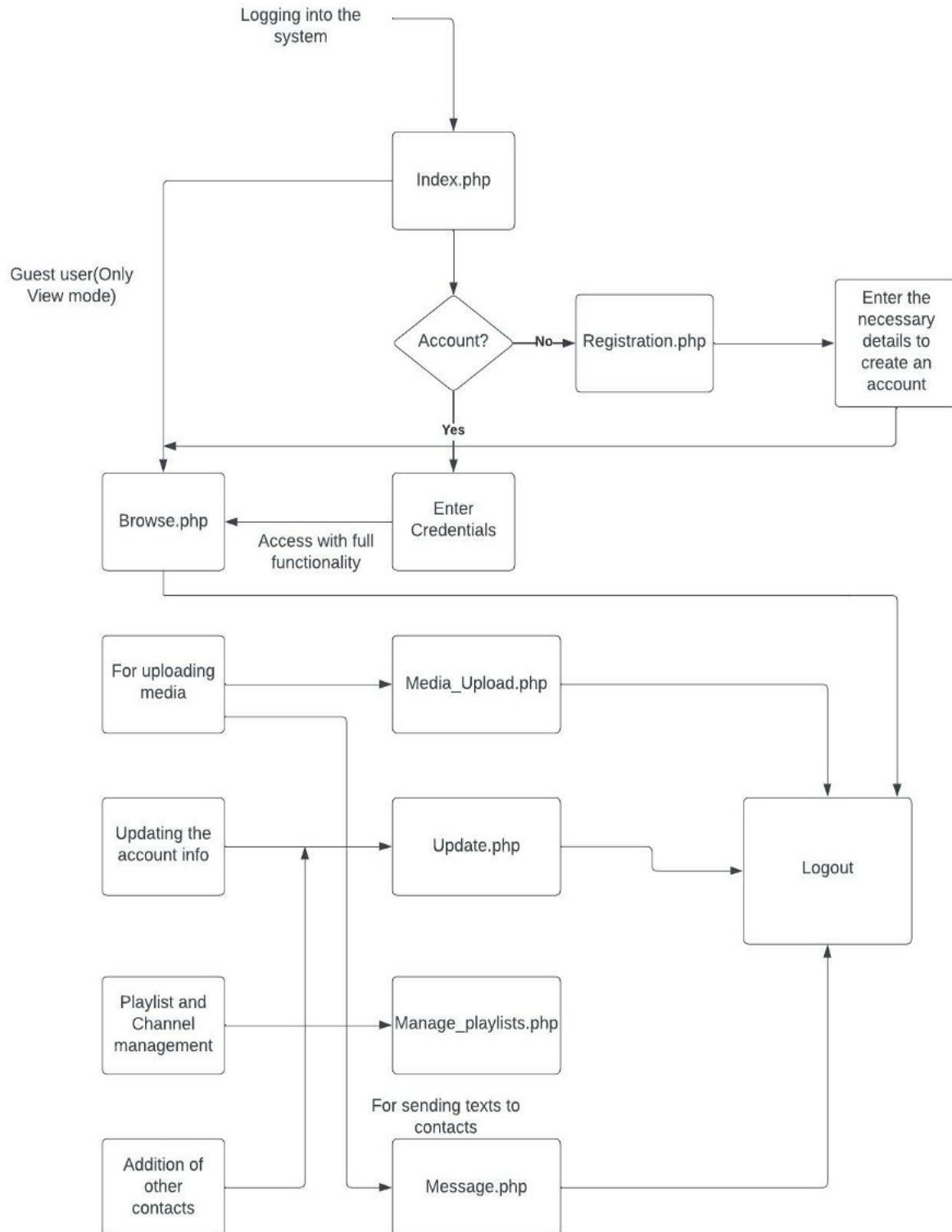
## FUNCTION DESIGN

In this section, the details about the php files which have been used for MeTube are explained.

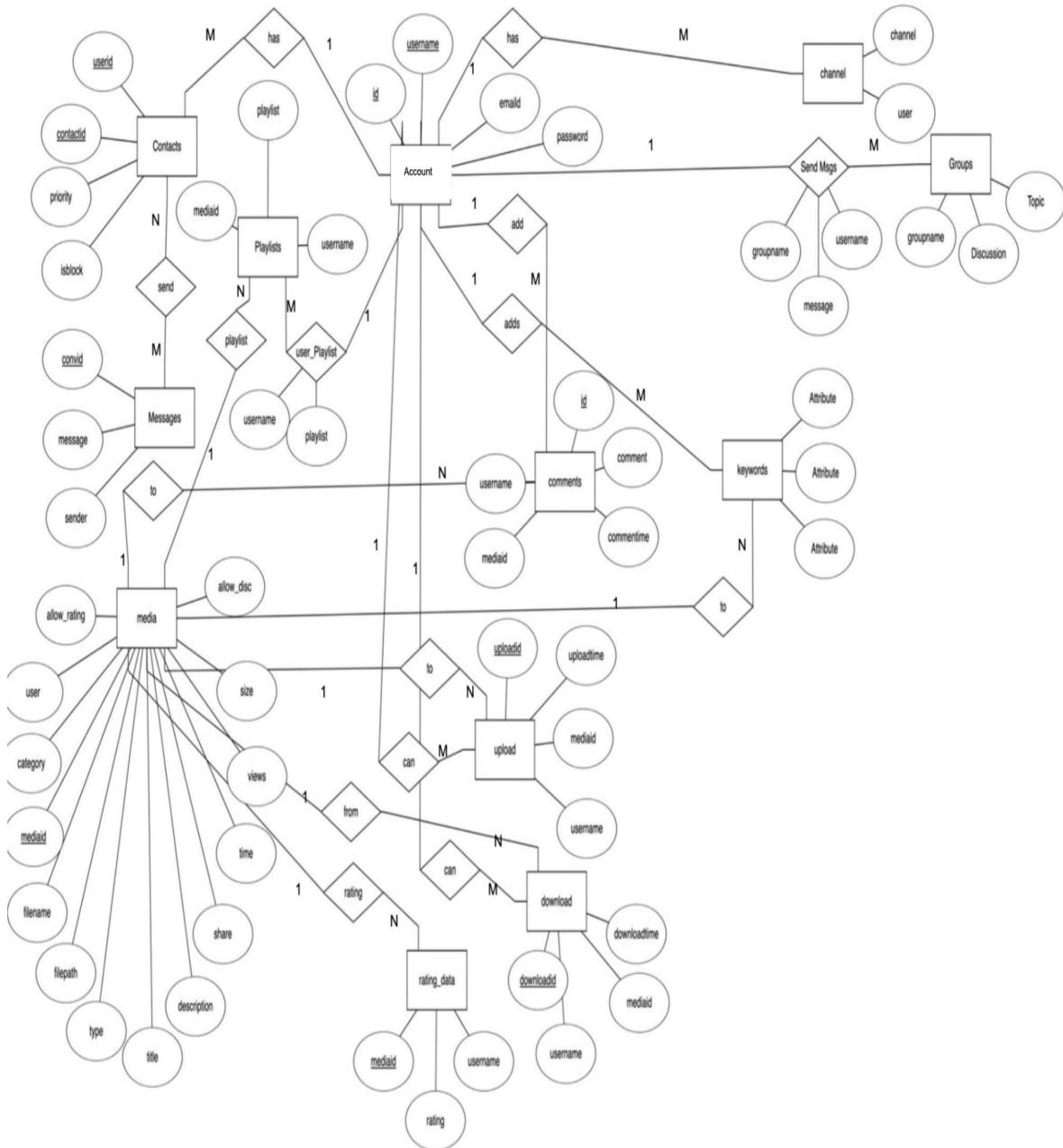
- **Functions.php** : We used the "function.php" file to group together functions that could be used repeatedly throughout the MeTube system.
- **Config.php** : This is the file which is used to connect to the MySQL database, where we provide information about the database and its credentials.
- **Index.php** : This is the login page's file. If the correct credentials are provided, it looks for existing users and logs them in.
- **Registration.php** : If you're a new user to the Metube, registration.php generates a registration page where you can fill out your information and register. You must confirm your password and provide a valid email address. Once you've registered, you won't be able to change your username.
- **Browse.php** : This is the home page, where you may see all of the files to which you have access. If you are logged in, you can upload new files to metube. You can also use them to make playlists, channels, and filter material.
- **Update.php** : This is your personal data page. You can edit your profile information, manage your contacts, manage your friends, view and manage all of your uploaded media items, and create or join groups.
- **Add\_contact.php** : This enables you to add a contact who uses YouTube as well as a relation to them.
- **Add\_group.php** : This allows you to create a discussion group on MeTube, give it a title, and offer a description for it.

- **BrowseFilter.php** : We have the privilege to search for files on the MeTube using keywords, categories, filenames, file sizes, uploaded dates, and file types using this php file.
- **Groups.php** : If you are a member of the group, you will be able to send messages to it.
- **Manage\_playlists.php** : Creates a page on which you can see all of your playlists as well as the media they contain. You can also delete a playlist or a piece of media using this feature.
- **Media.php** : It enables you to view media files stored in the Metube system using a media player integrated into the web interface.
- **Media\_download\_process** : This file is used for downloading the media file.
- **Media\_upload\_process** : It allows you to submit a media file as well as information about it, such as the file type, title, category, and keywords.
- **Message.php** : It permits the sending and receiving of messages between users and other contacts in the contact list.
- **MysqlClass.php** : This file contains the methods for connecting to and querying a MySQL database.
- **Recommendation.php** : Using the keywords database, this program conducts sql queries to display all associated files.
- **Subscriptions.php** : This file executes sql queries in order to display all of the media files uploaded by the specified subscriber.
- **Wordcloud.php** : This file lists all of the terms used on YouTube, with the most commonly used keyword being displayed in the largest size.

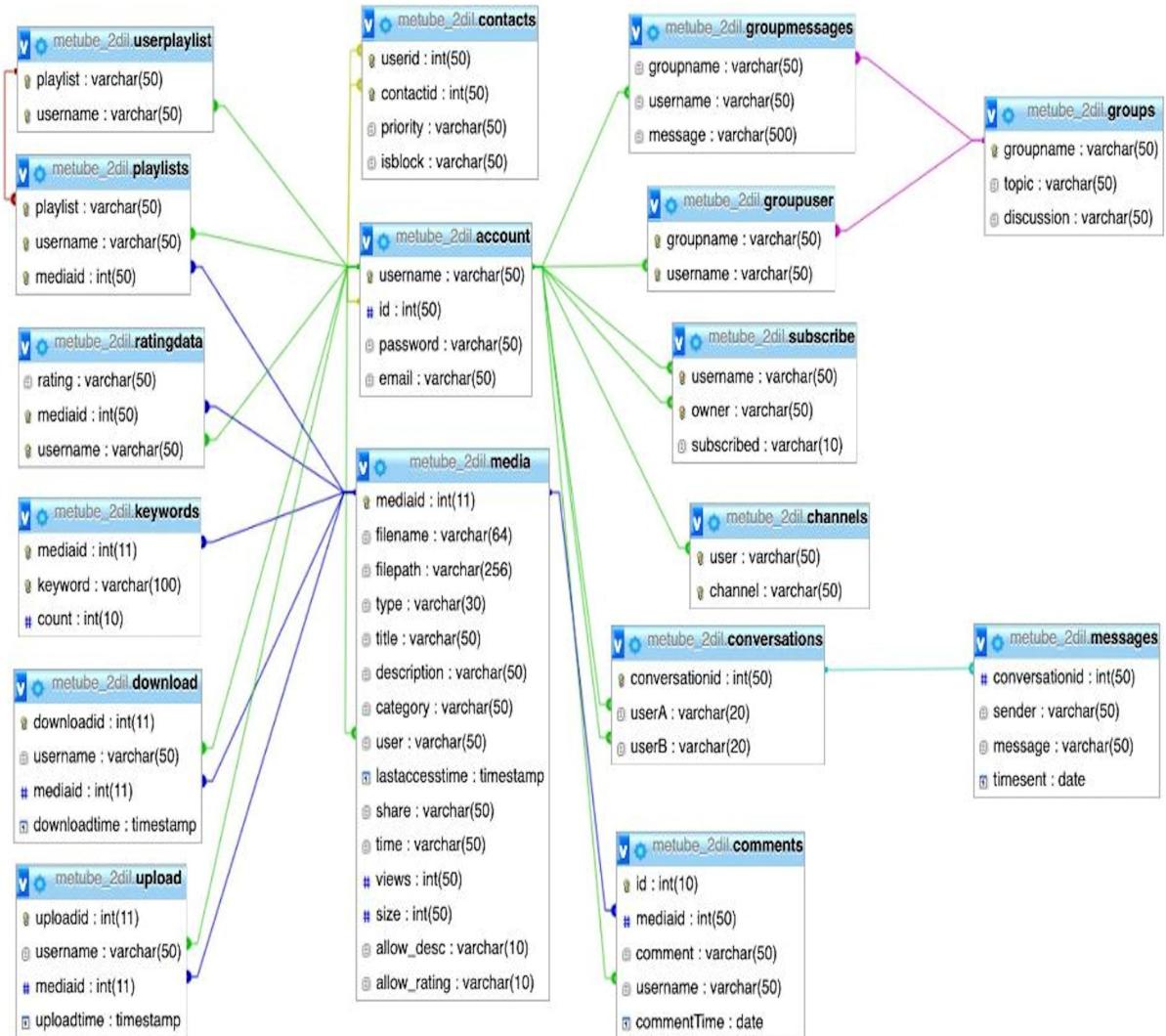
## IMPLEMENTATION DESIGN



## ER- DIAGRAM



## DB SCHEMA:



## TEST CASES

### 1. USER ACCOUNT

#### ➤ User registration :

- In order to upload media files or provide ratings to the MeTube system, a user must first create an account. Users can also just browse, search, and view media files in MeTube System using a guest account.
- During registration, passwords must be confirmed, and the user must provide a valid emailId format i.e ‘@’, ‘.com’.

#### Steps:

- a. Click “Sign Up” on the home page.
- b. Fill out the fields and click “Submit”
- c. All fields are mandatory
- d. Check that the user name is not taken by any other users

The screenshot shows the MeTube login interface. At the top left is the MeTube logo. The main heading "Welcome to Metube!!" is centered above two input fields: "Username: Enter Username" and "Password: Enter Password". Below these fields are two buttons: "Submit" and "Reset". At the bottom of the form, there are links for "Need an account? [Sign up](#)" and "Continue as Guest.. [Browse](#)".

- **Test case 1:** When username already exists in the database.

The screenshot shows a 'Sign Up' form on a dark-themed website. The form fields are as follows:

Username:	<input type="text" value="Enter Username"/>
Email:	<input type="text" value="Enter Email"/>
Password:	<input type="text" value="Enter Password"/>
Confirm Password:	<input type="text" value="Confirm Password"/>

Below the form are 'Submit' and 'Reset' buttons. At the bottom of the page, there is a pink banner with the text "Username already exists. Please enter other username to Sign up".

- **Testcase2:** When password and confirm password don't match.

The screenshot shows a 'Sign Up' form on a dark-themed website. The form fields are as follows:

Username:	<input type="text" value="Enter Username"/>
Email:	<input type="text" value="Enter Email"/>
Password:	<input type="text" value="Enter Password"/>
Confirm Password:	<input type="text" value="Confirm Password"/>

Below the form are 'Submit' and 'Reset' buttons. At the bottom of the page, there is a pink banner with the text "Passwords do not match".

- **Test case 3:** When a user enters Invalid emailId eg ‘ram.com’

The screenshot shows a 'Sign Up' form on a dark-themed website. At the top left is a logo with 'Me' above 'Tube'. The main title 'Sign Up' is centered above four input fields: 'Username', 'Email', 'Password', and 'Confirm Password', each with a placeholder text ('Enter Username', 'Enter Email', etc.). Below these is a row of 'Submit' and 'Reset' buttons. Further down are links for 'Sign in' and 'Browse'. A pink horizontal bar at the bottom displays the error message 'Invalid email format. Please enter valid mailId'.

Sign Up

Username:

Email:

Password:

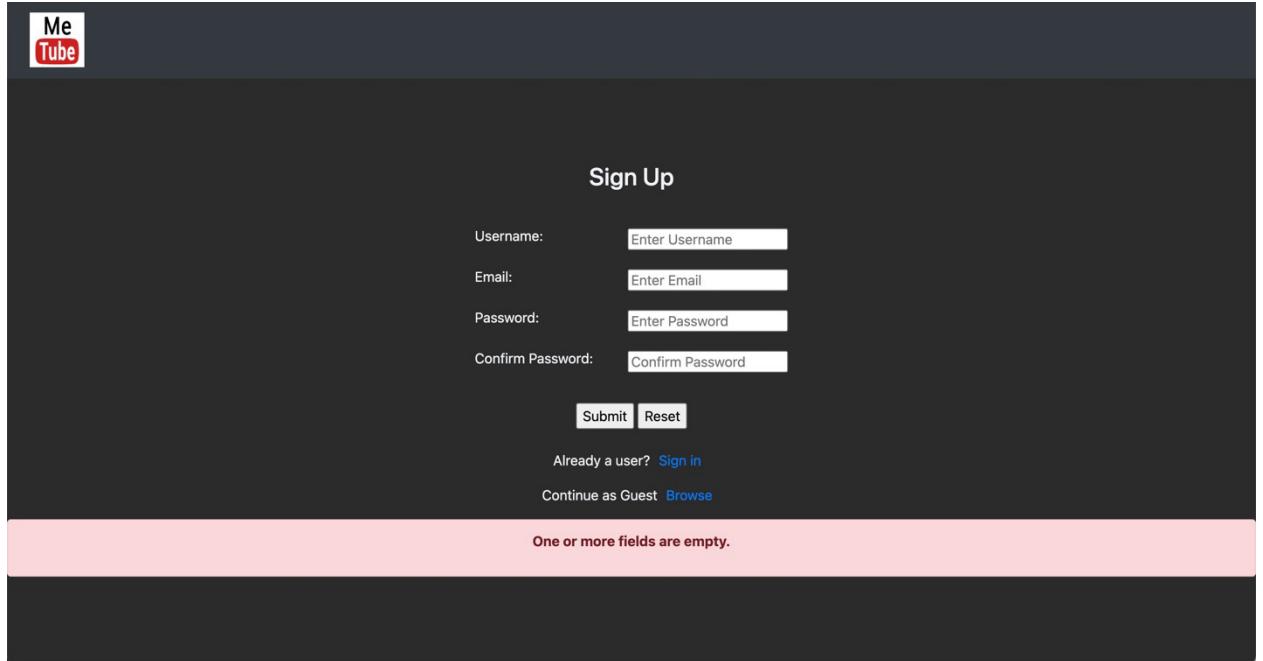
Confirm Password:

Already a user? [Sign in](#)

Continue as Guest [Browse](#)

Invalid email format. Please enter valid mailId

- **Testcase 4:** When the user doesn't enter mandatory fields. Eg: username, email, password, etc.



The screenshot shows the Metube Sign Up page. At the top left is the Metube logo. The main title "Sign Up" is centered above four input fields: "Username:", "Email:", "Password:", and "Confirm Password:", each with a placeholder text. Below the inputs are two buttons: "Submit" and "Reset". Underneath the buttons are links for existing users ("Already a user? Sign in") and guests ("Continue as Guest Browse"). A pink horizontal bar at the bottom displays the error message "One or more fields are empty."

Sign Up

Username:

Email:

Password:

Confirm Password:

Already a user? [Sign in](#)

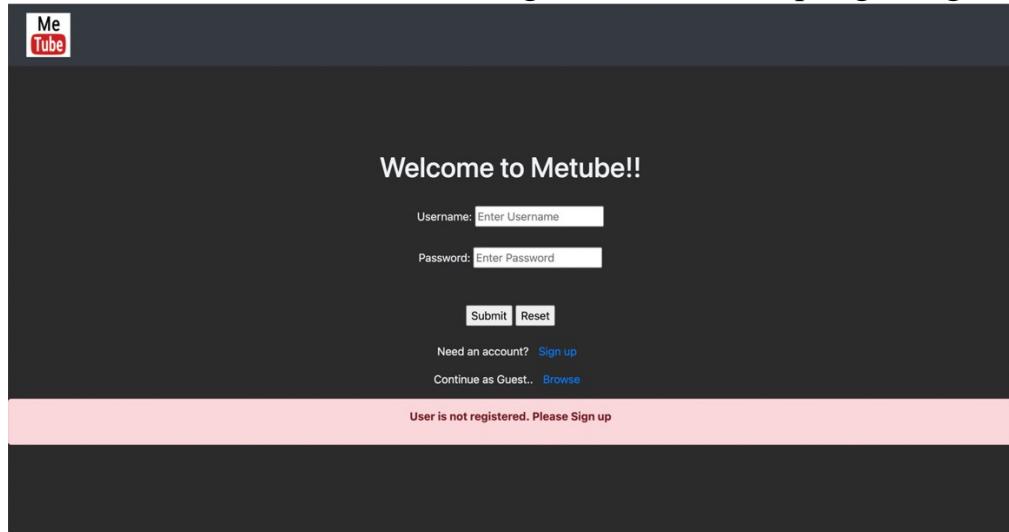
Continue as Guest [Browse](#)

One or more fields are empty.

- **Test case 5:** Details provided are valid and the registration is successful  
Testcase: passed

➤ **Sign-In :**

- **Test case1:** When the user is not registered and attempting to sign in.



The screenshot shows the Metube Sign In page. At the top left is the Metube logo. The main title "Welcome to Metube!!" is centered above two input fields: "Username:" and "Password:", each with a placeholder text. Below the inputs are two buttons: "Submit" and "Reset". Underneath the buttons are links for new users ("Need an account? Sign up") and guests ("Continue as Guest.. Browse"). A pink horizontal bar at the bottom displays the error message "User is not registered. Please Sign up".

Welcome to Metube!!

Username:

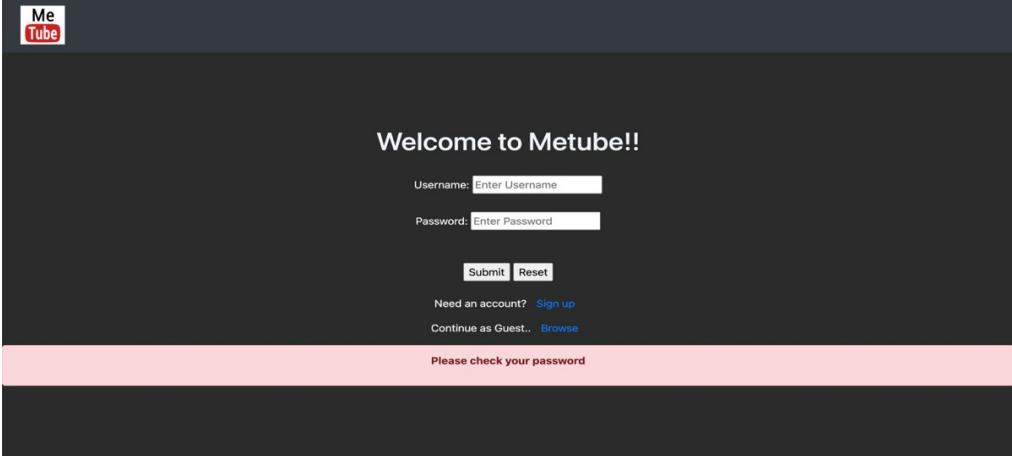
Password:

Need an account? [Sign up](#)

Continue as Guest.. [Browse](#)

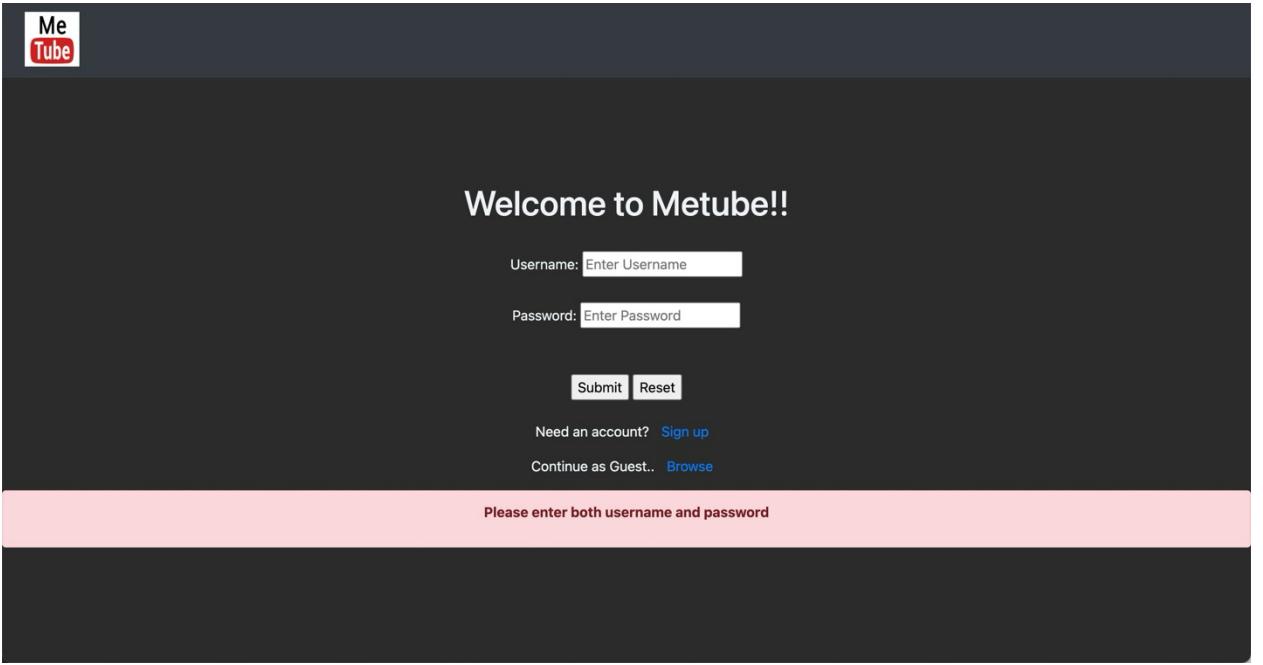
User is not registered. Please Sign up

- **Test case 2:** when user enters wrong password.



The screenshot shows the Metube login interface. At the top left is the 'Me Tube' logo. The main title 'Welcome to Metube!!' is centered above two input fields: 'Username:  Enter Username' and 'Password:  Enter Password'. Below these are 'Submit' and 'Reset' buttons. At the bottom of the page, there are links for 'Need an account? [Sign up](#)' and 'Continue as Guest.. [Browse](#)'. A pink horizontal bar at the very bottom displays the error message 'Please check your password'.

- **Test case 3:** When User doesn't enter either Username or Password.

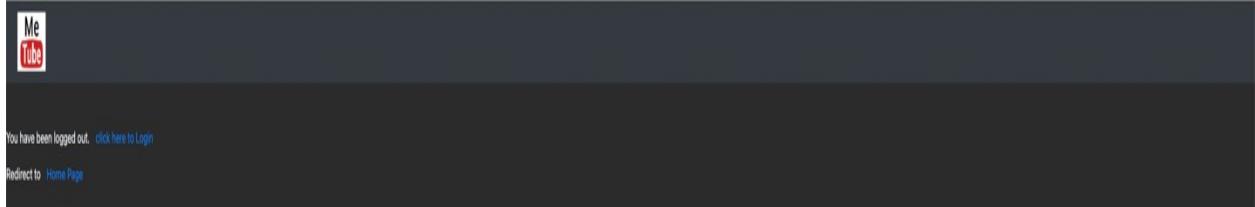


This screenshot shows the same Metube login page as the previous one, but with both the 'Username' and 'Password' fields empty. The error message 'Please enter both username and password' is displayed in a pink bar at the bottom of the page.

Credentials provided are valid and the registration is successful.

- **Sign-Out :**

Click on the “Log Out” button on the page. It Redirects to homepage once the logout is successful



**Testcase: passed**

➤ **Profile Update :**

In this section the user can update the profile by changing the password or EmailId. The new password updated should get reflected in the DB.

**Steps:**

- Click on profile button on the navigation bar. User can enter the new emailId, password which needs to be updated and then click on update password.
- **Test case 1:** when the old password provided by the user doesn't match.

**Me Tube**

Welcome Ushmitha Profile Word Cloud Upload File Subscriptions Back Search Keywords Search Logout

Old password is incorrect.

### My Profile

#### User Info

Username: Ushmitha

Email:  Enter Email

Old Password:  Current Password

New Password:  New Password

Confirm Password:  Confirm new password

#### Contacts

Username Email Relation Message

Click [here](#) to add a contact by username

#### Friends

- **Test case 2:** when the provided emailId format is incorrect.

**Me Tube**

Welcome Ushmitha Profile Word Cloud Upload File Subscriptions Back Search Keywords Search Logout

Email format is incorrect.

### My Profile

#### User Info

Username: Ushmitha

Email:  Enter Email

Old Password:  Current Password

New Password:  New Password

Confirm Password:  Confirm new password

#### Contacts

Username Email Relation Message

Click [here](#) to add a contact by username

#### Friends

- **Test case 3:** when the provided new password and confirm password doesn't match.

Welcome Ushmitha Profile Word Cloud Upload File Subscriptions Back Search Keywords Search Logout

New passwords does not match.

## My Profile

### User Info

Username: Ushmitha

Email: ushmitharavilla@gmail.com

Old Password: .....

New Password: .....

Confirm Password: .....

### Contacts

Username	Email	Relation	Message
Click <a href="#">here</a> to add a contact by username			

### Friends

- **Test case 4:** when the provided details (Email id, password) are correct. The profile is successfully updated.

Welcome Ushmitha Profile Word Cloud Upload File Subscriptions Back Search Keywords Search Logout

Password updated sucessfully!

## My Profile

### User Info

Username: Ushmitha

Email: Enter Email

Old Password: Current Password

New Password: New Password

Confirm Password: Confirm new password

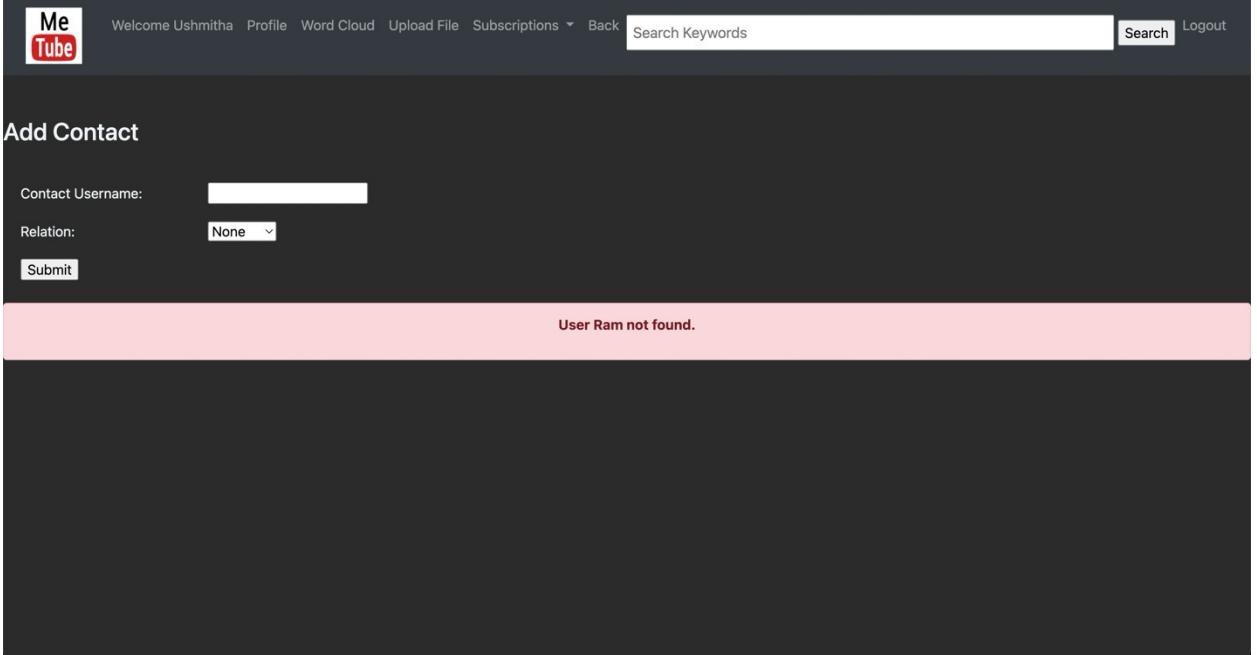
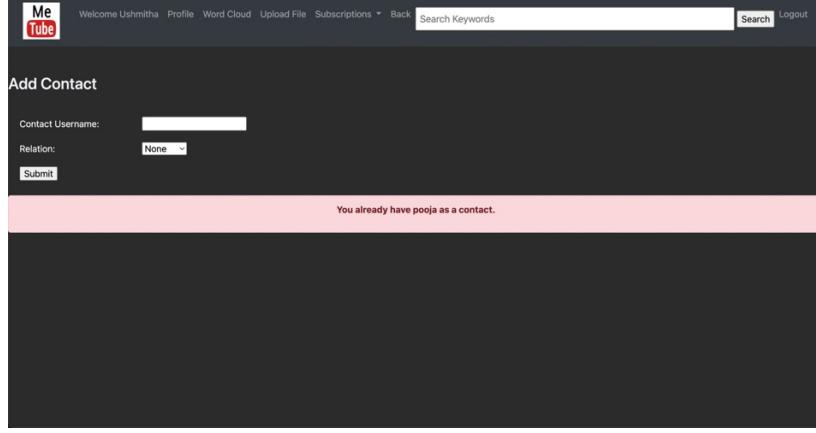
### Contacts

Username	Email	Relation	Message
Click <a href="#">here</a> to add a contact by username			

### Friends

## ➤ Contact List, Contact list Organization and Block User :

1. Click on “Contacts” in the Profile.
2. Click on Add Contact.

3. Select the relation type such as Family, Friends, and Favourites.
- **Test case 1:** When the contact username doesn't exist.
- 
- The screenshot shows a dark-themed web application interface. At the top, there's a navigation bar with links: Welcome Ushmitha, Profile, Word Cloud, Upload File, Subscriptions, Back, Search Keywords, Search, and Logout. Below the navigation is a form titled "Add Contact". It has two input fields: "Contact Username:" with a redacted value and "Relation:" with a dropdown menu set to "None". A "Submit" button is located below the form. A pink horizontal bar at the bottom displays the error message "User Ram not found."
- **Test case 2:** When user is trying to add a contact who is already present in his contact list.
- 
- This screenshot is similar to the previous one, showing the "Add Contact" form. The "Contact Username:" field contains a redacted value, and the "Relation:" dropdown is set to "None". The "Submit" button is present. A pink horizontal bar at the bottom displays the error message "You already have pooja as a contact."
- **Test case 3:** If contact user blocked the user and he is trying to add him into the contacts.

Welcome Chandra Profile Word Cloud Upload File Subscriptions Back Search Keywords Search Logout

### Add Contact

Contact Username:

Relation:

User blocked you, cannot add

- **Test case 4:** When the user has given the contact and relation. Click on submit. The contact is created successfully

Welcome Ushmitha Profile Word Cloud Upload File Subscriptions Back Search Keywords

### Add Contact

Contact Username:

Relation:  None  Family  Friend  Favorite

Contacts			
Username	Email	Relation	Message
Tanishka	tanishka@gmail.com	family	<a href="#">Message</a>
<a href="#">Unblock</a>	<a href="#">Delete</a>		
Chandra	chandra@gmail.com	family	<a href="#">Message</a>
<a href="#">Block</a>	<a href="#">Delete</a>		
Akshitha	akshitha@gmail.com	favorite	<a href="#">Message</a>
<a href="#">Block</a>	<a href="#">Delete</a>		
pooja	pooja@gmail.com	friend	<a href="#">Message</a>
<a href="#">Block</a>	<a href="#">Delete</a>		

Click [here](#) to add a contact by username

### Friends

Username	Email	Message
pooja	pooja@gmail.com	<a href="#">Message</a>

Welcome Ushmitha Profile Word Cloud Upload File Subscriptions Back Search Keywords Search Logout

### Add Contact

Contact Username:

Relation:

Contact created successfully

## ➤ DATA SHARING

- **Upload multimedia files :**

The MeTube system should allow logged-in users to upload multimedia files(audio, video, images). The user must provide meta-information about

the multimedia file, such as the title, description, category, sharing mode, allow discussion, and allow rating while uploading it.

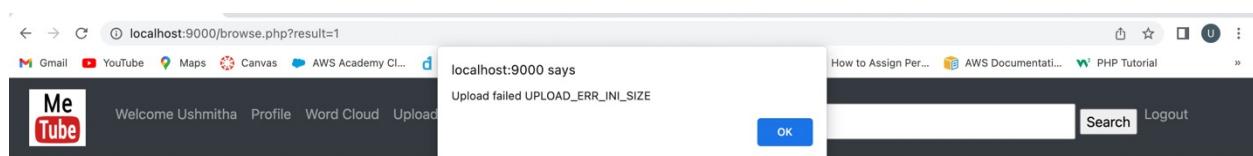
### Steps:

1. Upload the files by clicking on the “Upload File” in the navigation bar.
2. Give the necessary information such as Title, Description, which category the file belongs to
3. You can give the details on whether you would like to give permission for sharing and provide rating, and necessary keywords to search the file.

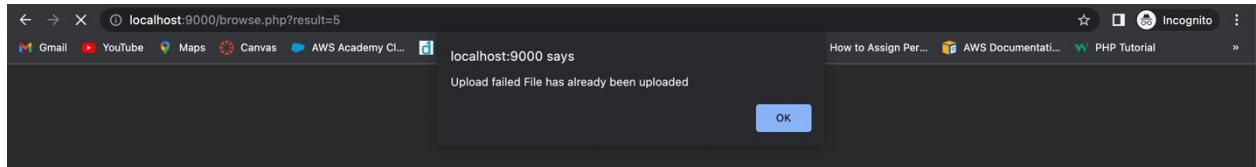
### Test case: Passed

The screenshot shows the 'Upload File' interface. At the top, there's a navigation bar with links for 'Welcome Ushmitha', 'Profile', 'Word Cloud', 'Upload File', 'Back', 'Search Keywords', 'Search', and 'Logout'. Below the navigation bar, the main form has fields for 'Add Media (Each file limit 10MB):' with a 'Choose File' button containing 'CatAnimal.jpg', 'Title:' with the value 'Cat', 'Description:' with the value 'Animals', 'Category:' set to 'Image', 'Sharing Mode:' dropdown set to 'Public' (which is highlighted with a blue border), and a dropdown menu showing options: 'Only me', 'Family', 'Friends', and 'Favourites'. There's also a 'Allow Discuss' checkbox and an 'Allow Rating:' checkbox. A text area labeled 'Keywords:' contains 'Cat, pets'. The overall background is dark grey.

- **Testcase 1:** When the user uploaded file exceeds the limit



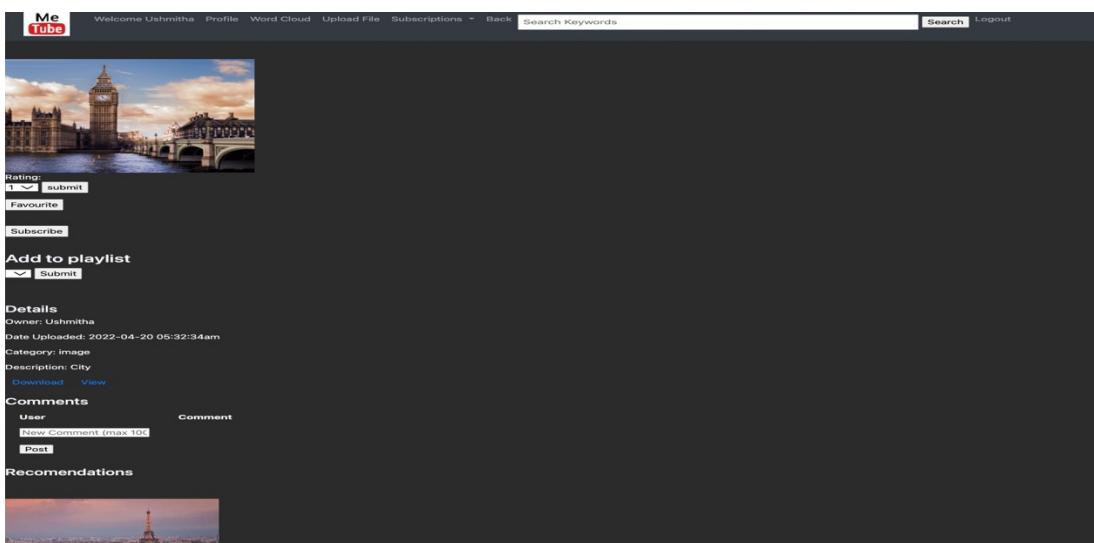
- **Testcase 2:** When the user have already uploaded the file and trying to reupload same file again.



- **Testcase 3:**

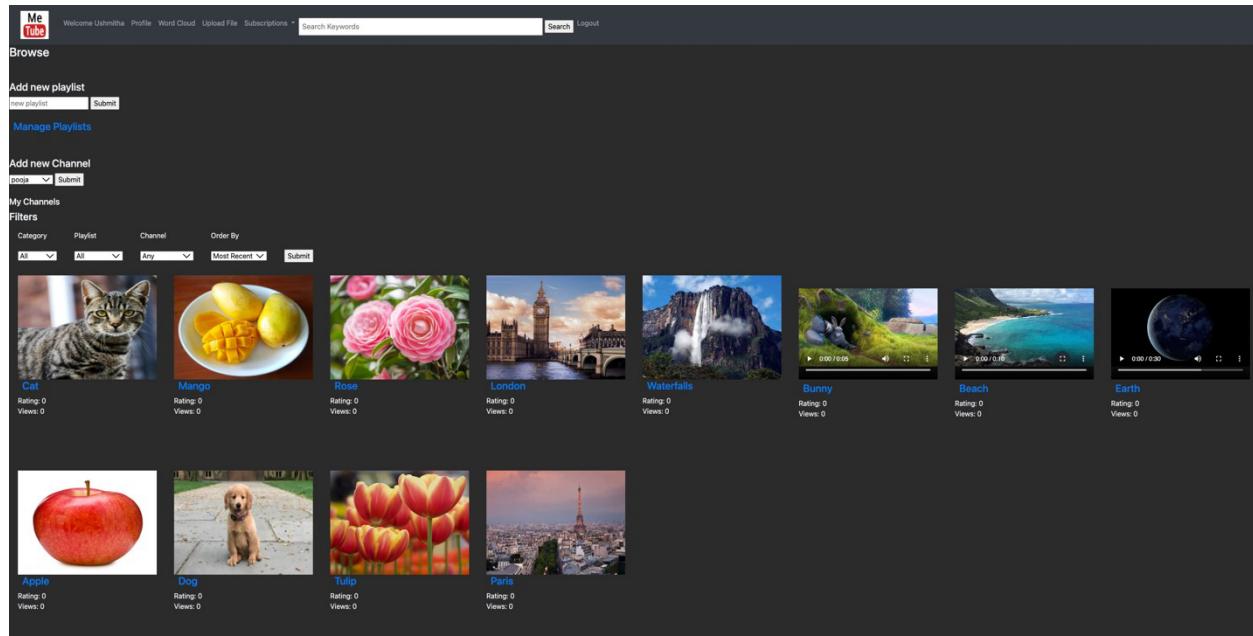
Click on the Download link of the file which you want to download.  
We can see that the images are getting downloaded to the local system.

**Test case: Passed**



- **Testcase 4:**

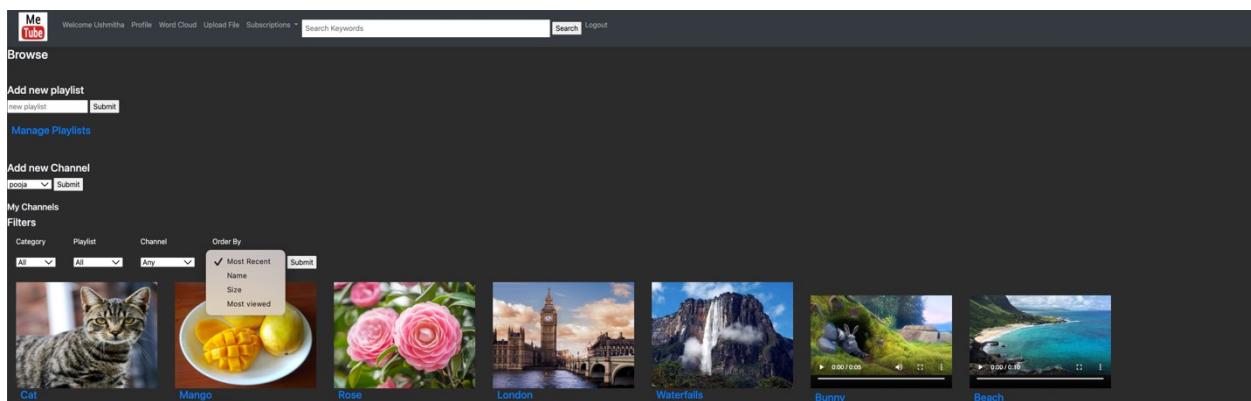
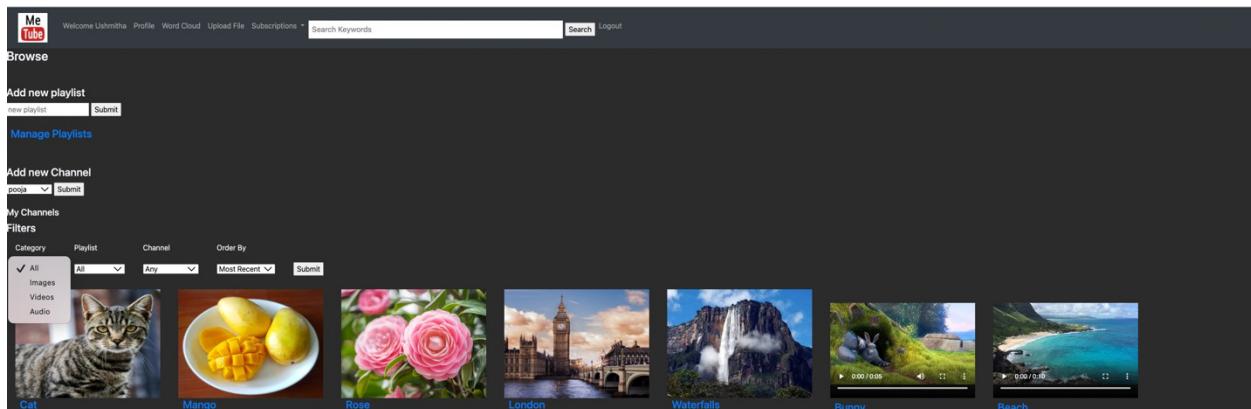
1. All public media files and the files which are shared to the user can be viewed by all the registered users.
2. When visiting the MeTube home page, non-registered viewers will be able to see all of the public media content.



## ➤ MEDIA ORGANIZATION

- **Browse by category :**

We can categorize the media files using Images, Videos, Audio and order Most recent, Name, Size, Most viewed.



- **Channels & Playlists:**

When the user clicks on the media file he can provide a rating, subscribe, and add the media file to favorites. Add it to the playlists, Add comments, Download, and view the media file. It also contains recommendations.

- **Playlists: Steps :**

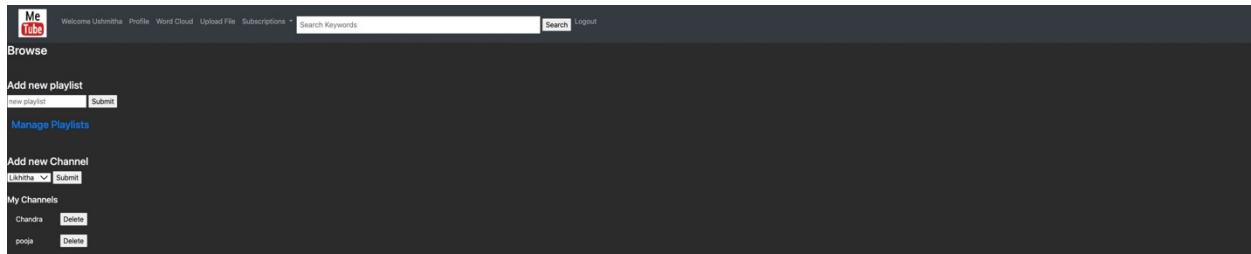
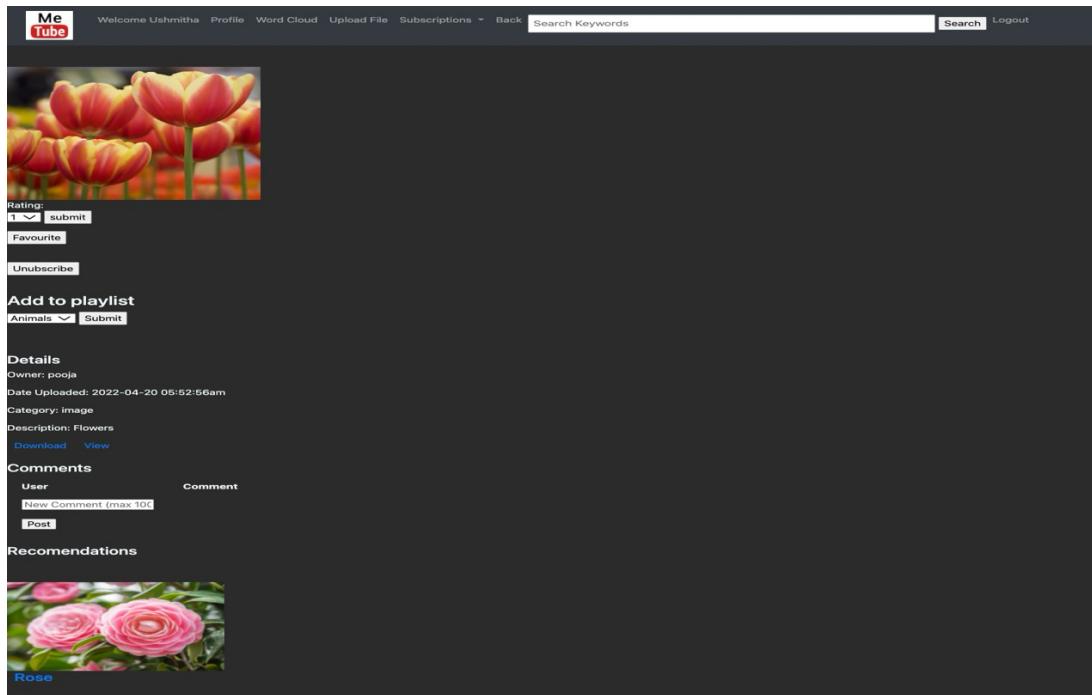
- In home page, Under Add new playlist, give the playlist name which needs to be added and click on submit button. The playlist will be created.
- Users can add media files in to the playlist and manage the playlists by clicking on the Manage playlists option.

- Users can rename the playlist by clicking on ‘Rename playlist’ and delete a playlist by clicking on ‘delete Playlist’.

- **Channels:**

**Steps :**

- In home page, the user can select a channel under Add new Channel and click on submit button. The channel is created and user can view them under My Channels.
- User can delete the channel by clicking on delete button beside the channel.



Welcome Ushmitha Profile Word Cloud Upload File Subscriptions Back Search Keywords Search Logout

Playlist: Animals Delete Playlist Rename

Dog Delete Media

Playlist: Flowers Delete Playlist Rename

Rose Delete Media

Playlist: Fruits Delete Playlist Rename

Mango Delete Media

Apple Delete Media

- User can sort the media files with the playlists.

Welcome Ushmitha Profile Word Cloud Upload File Subscriptions Search Keywords Search Logout

Browse

Add new playlist new playlist Submit

Manage Playlists

Add new Channel Chandra Submit

My Channels Chandra Delete pooya Delete

Filters Category Playlist Channel Order By All Pay Most Recent Submit

Category	Playlist	Channel	Order By
All	Favourites	Pay	Most Recent
	Animals		
	Flowers		
	Fruits		

**Cat** Rating: 0 Views: 8

**Mango** Rating: 0 Views: 6

**Rose** Rating: 0 Views: 19

**London** Rating: 0 Views: 1

**Waterfalls** Rating: 0 Views: 2

**Bunny** Rating: 0 Views: 2

**Beach** Rating: 0 Views: 1

**Earth** Rating: 0 Views: 1

- Favorite Lists :**

Users can check their favorite media files by clicking on favorites under playlists.

Welcome Ushmitha Profile Word Cloud Upload File Subscriptions

**Browse**

**Add new playlist**

[Manage Playlists](#)

**Add new Channel**  
Likhitha

**My Channels**

Chandra <input type="button" value="Delete"/>	pooja <input type="button" value="Delete"/>
---	---

**Filters**

Category	Playlist	Channel	Order By
All <input type="button" value="▼"/>	✓ All <input type="button" value="▼"/> <b>Favourites</b> Animal Flowers Fruits	Any <input type="button" value="▼"/>	Most Recent <input type="button" value="▼"/> <input type="button" value="Submit"/>



**Tulip**  
Rating: 4  
Views: 19



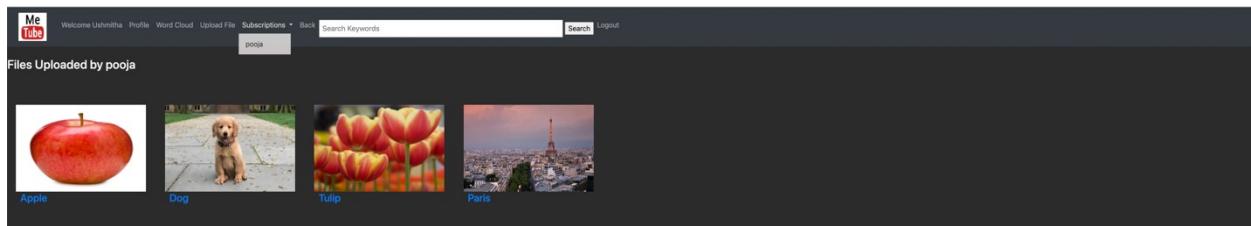
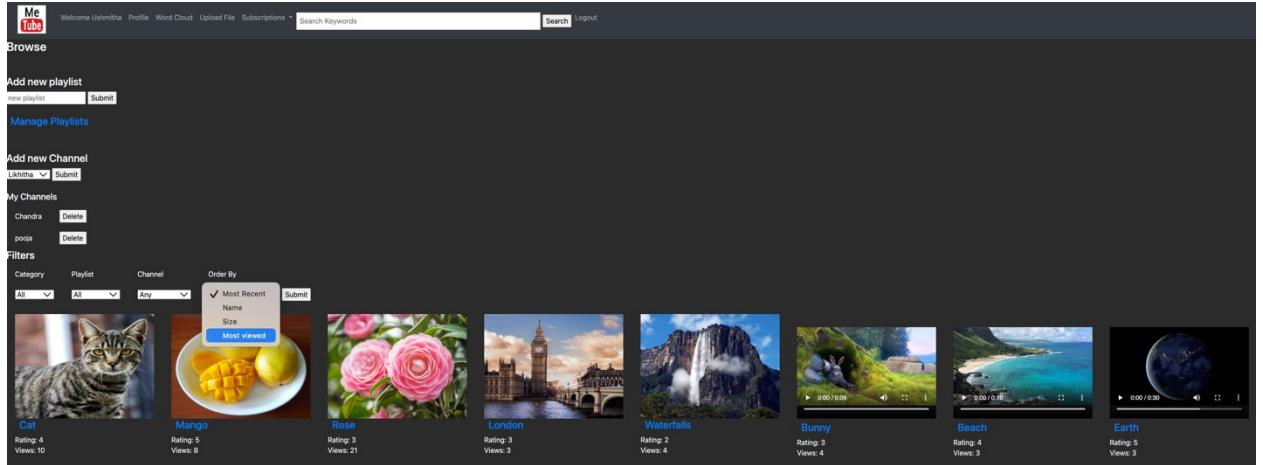
**Rose**  
Rating: 3  
Views: 25



**Mango**  
Rating: 5  
Views: 18

- **Most Viewed & Most recently uploaded:**

The user can sort the media files based on most recently viewed and most recently uploaded. In home page under order by the user can select the desired option.



## ➤ USER INTERACTION

- **Message Exchange between users :**

The users can interact with each other through messages. The user can type the message and click on post to send the message.

Username	Message
Ushmitha	Hi Pooja
pooja	Hi Ushmitha
pooja	How are you doing
Ushmitha	I am good.

New message (max 200)

Post

- **Commenting on media file & Media Rating:**

The user can comment on media file by adding the comment under comment section and click on post. The user can also delete the comment by clicking on delete button beside comment.

- **Rating:**

The user can provide the rating to the media file, Under rating section and click on submit to give the rating

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Rating: 5  
 submit

**Add to playlist**

**Details**  
Owner: Ushmitha  
Date Uploaded: 2022-04-20 05:30:31am  
Category: image  
Description: Fruits  
[Download](#) [View](#)

**Comments**

User	Comment	Action
Ushmitha	Healthy	<input type="button" value="Delete"/>
Ushmitha	good	<input type="button" value="Delete"/>

The users can also create groups to discuss topics. Under profile, the user need to click on create group In order to create Group **Test case 1:**

#### Steps :

- User need to provide group name, topic, discussion and click on submit button.
- Group is created successfully.



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### Create Group

Group Name:

Topic:

Discussion:



Welcome Ushmitha Profile Word Cloud Upload File Subscriptions Back Search Keywords  Logout

### Create Group

Group Name:

Topic:

Discussion:

Group created successfully

## Test case 2: when User doesn't provide Topic.



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### Create Group

Group Name:

Topic:

Discussion:

Please enter the Topic to be discussed.

Below are the list of groups created. User can either Join/Leave the group.

Groups	
Group Name	
Fruits	<input type="button" value="Leave"/>
Nature	<input type="button" value="Join"/>
Click <a href="#">here</a> to create a new group.	



## Topic:Health

### Discussion:Fruits Importance

#### Messages

Username	Message
Ushmitha	Fruits are an excellent source of essential vitamins and minerals
Vatsa	they are high in fiber
Ushmitha	can reduce a person's risk of developing heart disease, cancer

## ➤ SEARCH

- **Keyword based search :**

The users can search the media on the metube system using the Search option. Users have the privilege to search using the keywords as well

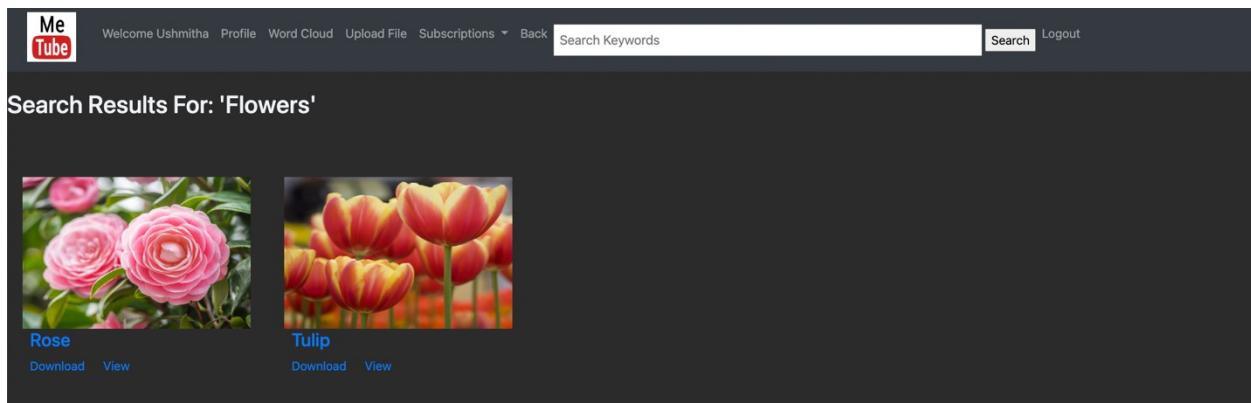
### Steps:

Type “nature” in the search window and the media related to nature will be displayed on the home page.

Test case Results: Passed

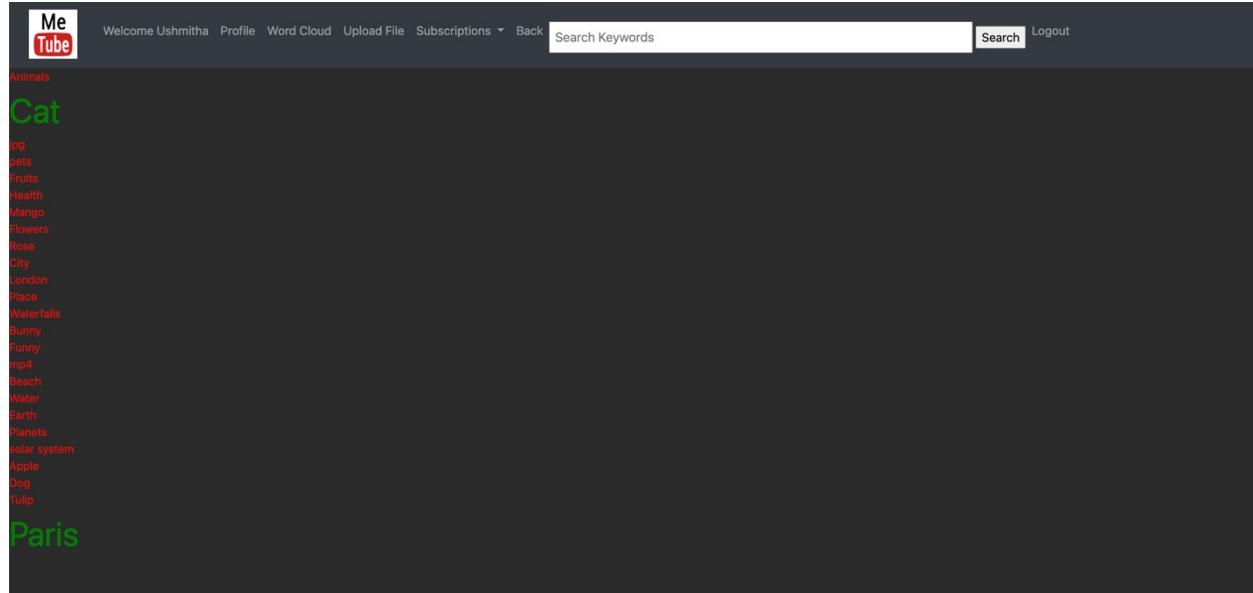
If we type “xyz” which is not a part of any media and its keywords, we get a message displaying “No search results found for ‘xyz’ ”

**Test case Results: Passed**

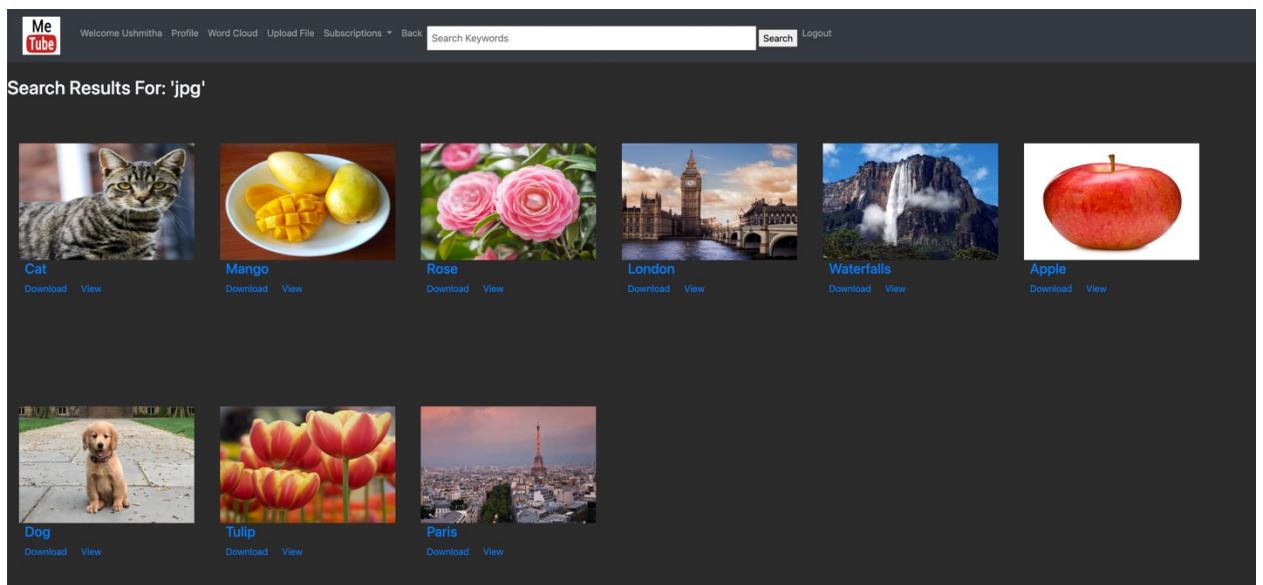


- **Word cloud :**

Click on the Word cloud button on the top navigation bar. It shows the output on what are the most searched keywords. Mostly searched keywords are larger in size.



- **Feature based media search :**



## CONCLUSION

As mentioned in this report, we have enabled users to create an account, log in, upload types of content such as photos, animation clips, audios and videos, comment on these files, block comments on their own files, send and receive messages from other accounts, and build their own playlists.