



FINAL REPORT: MeTube

A multimedia database project

GROUP NUMBER: G6

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URL:

[Metube URL](#)

Introduction:

MeTube is a customized version of the well-known YouTube website. It contains a wide range of multimedia, including videos, audio, images, and animation clips. It is a video-sharing platform that makes it simple to share videos. Users can use this app to watch, upload, and download videos and photos. They can also leave comments on uploaded media and communicate with other app users via the messaging system.

The fact that it includes several features that need php, database management, and a variety of complex queries that aid in the smooth operation of the program was the primary motivator for developing it. Because a database is at the foundation of any social media program, this is a great application for demonstrating the importance of database management while gaining hands-on experience with it.

We also went to YouTube before beginning the project to get a better understanding of the application's basic layout and functionality.

System Design:

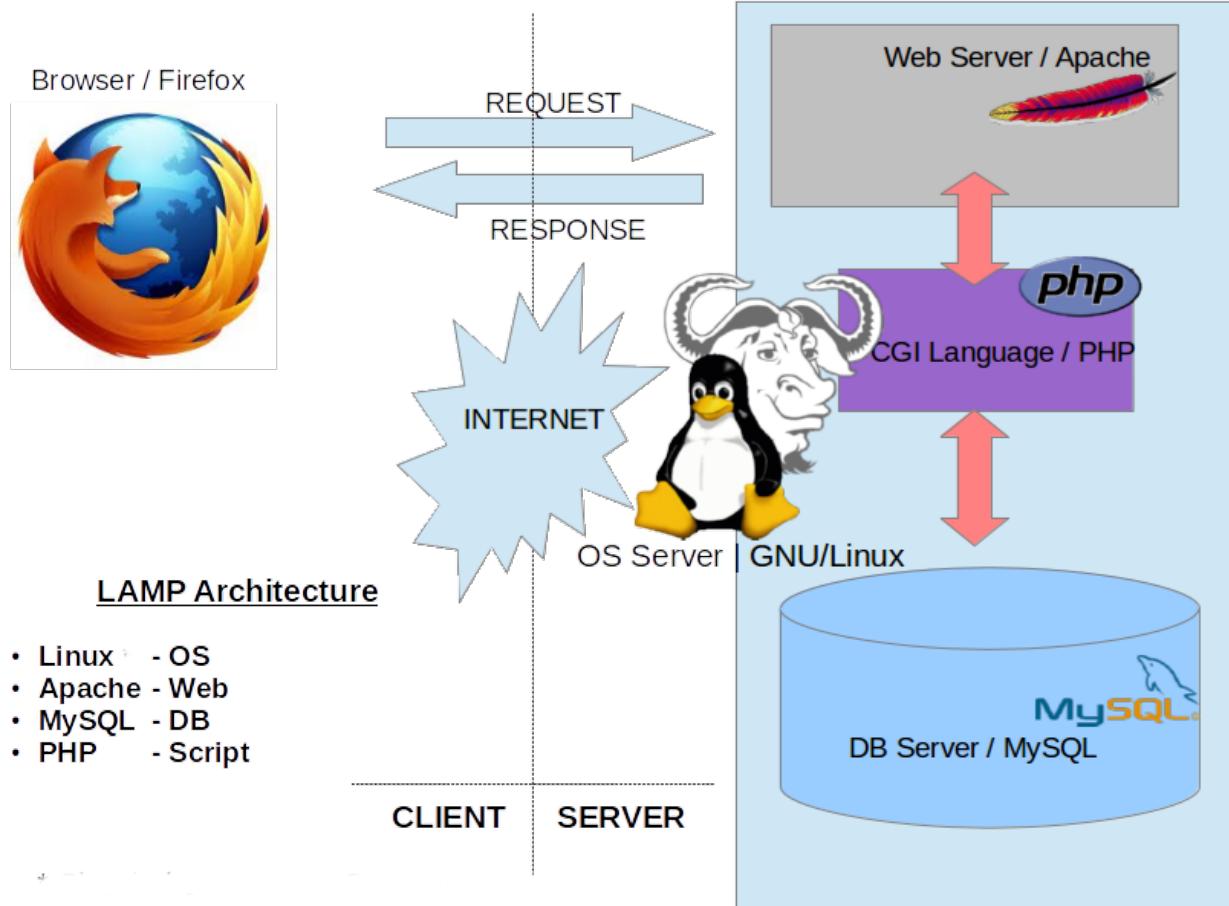
LAMP architecture was used to implement the functionalities of MeTube system. LAMP is a secure architecture and well-established encryption practices that have been proven in the enterprise. LAMP is an acronym that stands for "Linux, Apache, MySQL, and PHP," and it refers to the four components that are required to set up a fully functional web development environment. LAMP is an acronym formed by the first letters of the component names:

Linux is an operating system that runs the rest of the components.

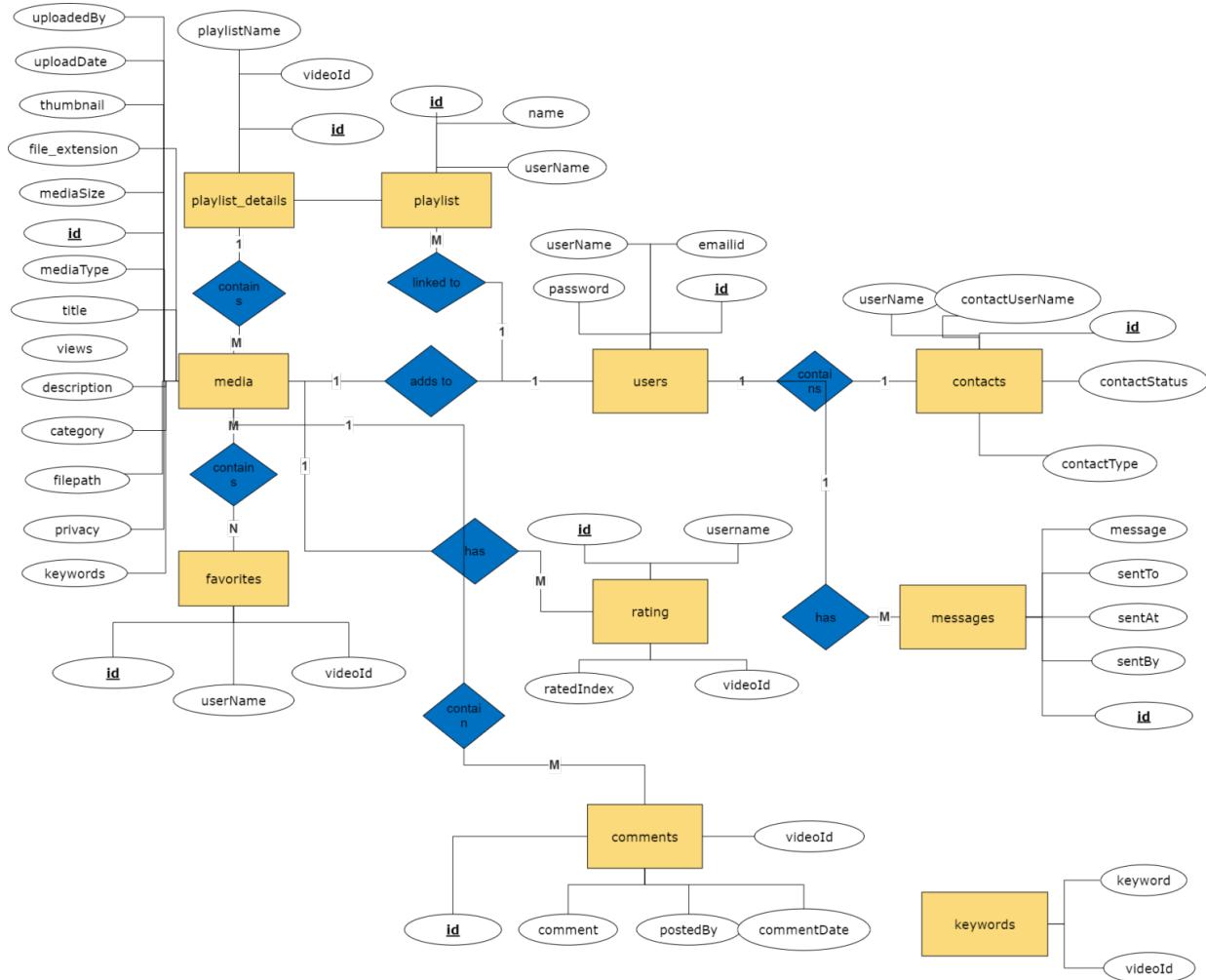
The Apache HTTP Server application is a static web server.

MySQL is a relational database management system that can be used to manage web databases, data warehousing, application logging, e-commerce, and other applications.

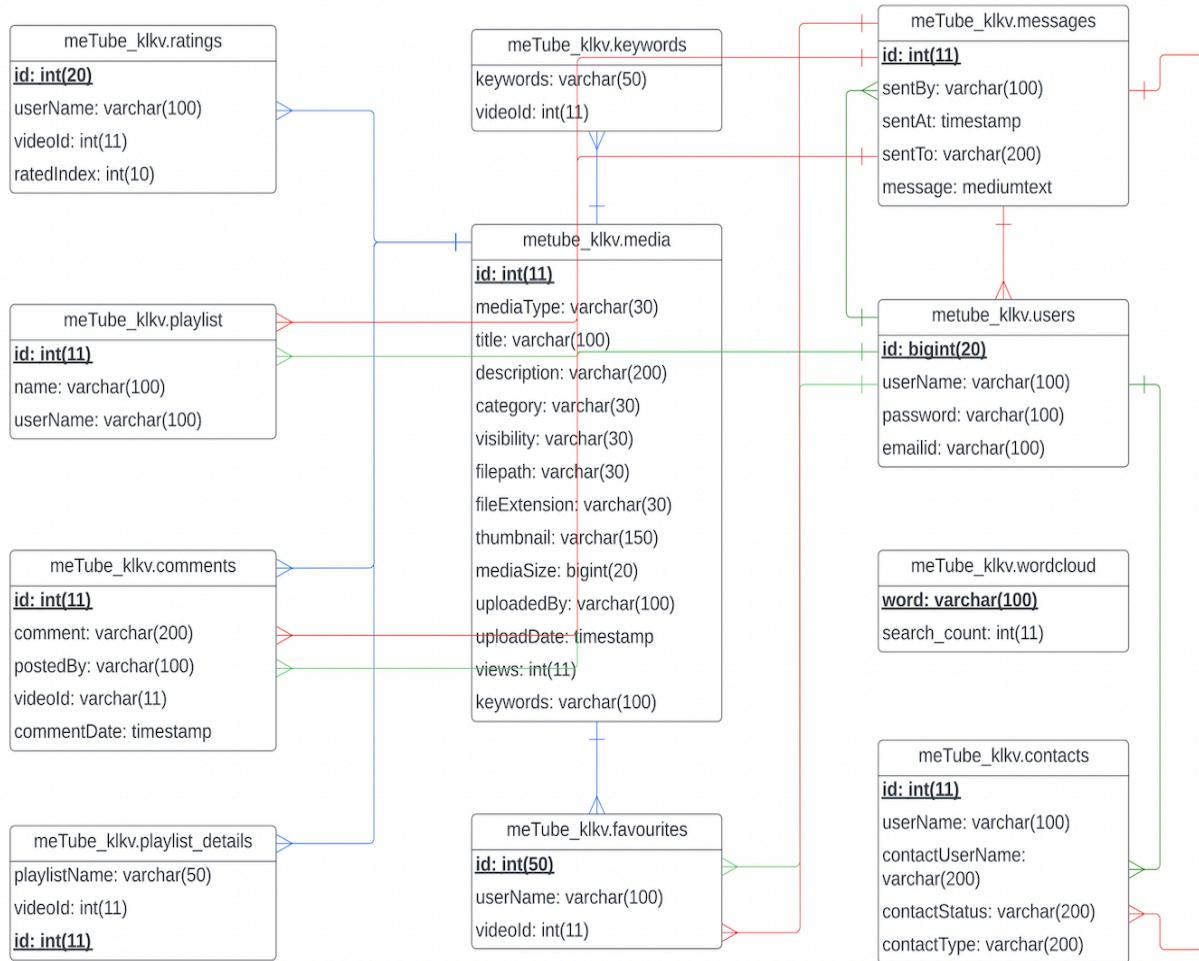
PHP is a programming language used to create web applications. HTML, CSS, and JS are also used in our application. In this application, we also use Bootstrap as a web framework.



ER Diagram:



Database Schema:



Function Design:

1. Registration:
 - a. Give the data/values from the HTML form
 - b. Verify that the username is not already in the database.
 - c. Verify to see if the email address is correct.
 - d. Verify to see that the password is at least six characters long and matches the confirmed password.
 - e. If all the above verifications are successful, insert the data into the database and provide a success message.
 - f. Otherwise, show the user an error message.

2. Login:
 - a. From the login HTML form take username and password as input values.
 - b. Verify if the user exists and if the user does not exist in the database, display user not found.
 - c. Verify to see if the password matches the username in the database.
 - d. If the user's credentials(password) is correct, log them in by establishing a session for them.
3. Update Profile:
 - a. Using the HTML form, enter the email address or the password to be changed.
 - b. Verify to see if the entered value is correct. For instance, in the case of an email, validate the email and update the row in the database table.
 - c. If the request is for a password change, make sure the current password is the same as the one entered, i.e. the previous password is the same as the current password.
 - g. Validate to see that the new password is at least six characters long and matches the password entered in confirm password.
 - d. The database should be updated to reflect the change.
4. Upload:
 - a. Choose a file from the system and populate the HTML form with meta data.
 - b. Create a folder under /uploads/\$username if the user has never uploaded a media file.
 - c. Check to verify if the uploaded file has already been saved in /uploads/\$username; if it has, you'll be prompted to re-upload it.
 - d. Add new items to the media & keywords table if there are no duplicate/copy files.
 - e. The user can edit media information after it has been uploaded by simply clicking the edit media info button.
5. Playlist:
 - a. Fill in the username from the session variable and the playlist name from the form.
 - b. Verify to see if the playlist already exists for the user; otherwise, enter the playlist username and playlist name.
 - c. Remove the playlist by choosing it from the dropdown and deleting it from the database.
 - d. Verify to see if media already exists for the logged in user in the playlist where it is to be added before adding it.
 - e. If no media is present, add media to the playlist; otherwise, display media that is already present.
 - f. When the user selects a playlist from the dropdown and clicks on view playlist, the database should be queried for media in the playlist.
6. Download
 - a. Use the video object's getID() parameter to enter the video Id.
 - b. Use the file extension stored in the database to download the file.
 - c. If the user clicks the download button, the file will be saved to their downloads folder.

7. Favorite
 - a. The favorites button can be used to add or remove media from a playlist.
 - b. Input the username from the session data and the media id from the currently playing media.
 - c. Verify to see if the user's media id is in the database for that particular user.
 - d. If the media id already exists, set the button value to remove from playlist, and the media will be removed from the database.
 - e. If the media does not exist in the database, when the user clicks on it, the database will be updated with the media_id.
8. Search
 - a. The user enters keywords into the search bar and clicks the search button.
 - b. Shows the result
 - c. Refinement of search is further done by size
 - d. Result order is based on the different features like title, recently upload, size, etc.
9. Message
 - a. Fill in the recipient ID from the dropdown and the message content with the username from the session.
 - b. Insert the user message, username, and recipient name to the database.
 - c. View inbox messages uses a select query to show all messages where the receiver is the currently logged in user Name.
 - d. View sent messages displays all messages where sent user = logged in user Name using a select query.
10. Contacts
 - a. Use the session's username and the dropdown to select a friend ID.
 - b. Verify to see whether there is already a link between the users.
 - c. If the relationship already exists in the database, update it to reflect the necessary modifications.
 - d. Otherwise, insert a database relationship between the contacts.
 - e. To block or unblock a user, select the user to do so from the dropdown menu.
 - f. Based on the user input, verify the status of the users and insert or update the row entry.

Current Implementation:

Basic Features:

There are several basic features that must be implemented in the project, such as the user being prompted for a user name that is distinct from other users, as well as asking for an email address and generating a password with at least 6 characters and special symbols for security purposes. Registered users can log in to their accounts and then explore the homepage for all posted media such as videos, mp3s, and photos.

Advanced Features:

Registered users can add, edit, and delete any type of media to their playlists, including video, image, and mp3 files. Another advanced feature is the messaging capability, which allows users to communicate with other registered users via the system's built-in messaging interface. Individuals can categorize the other users they've added into subcategories like friends, family, and so on.

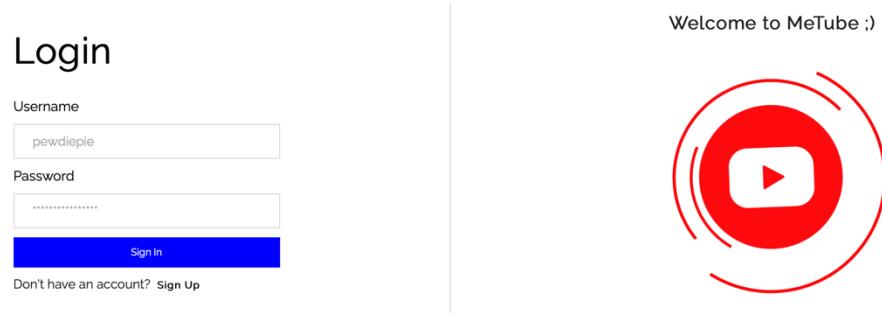
The videos on MeTube can be filtered by the keywords used in the content and sorted by the date they were uploaded or the number of views they have received. Another benefit of the MeTube project is that users can directly download any video, audio, or image they prefer, which is not achievable on YouTube. Users have the option of adding videos/images to their Favorites and then simply accessing them from the side navigation panel. Users can comment on videos, just as on YouTube, and such comments will be visible to all of the other users of the system.

Test Cases:

The following test cases are tested for Metube application

Case 1: User Registration –

1. User should be able to click Signup on the homepage.



2. All the fields should be filled out and the user should be able to click “Register”.
3. Different cases of input for email address and password to confirm that they are correctly entered –
 - a. Email address should have @.
 - b. Password and confirm password should match.
 - c. Password should not be less than 6 characters in length.

- d. The user should not be existing user and if the username is taken by other users.

Register

Username

Email

Password

Confirm Password

[Sign Up](#)

Welcome to MeTube :)



Do you already have an account ? [Sign In](#)

For testing the above scenarios, the users are created as below and following test cases are used:

userName	password	emailld
rajat	password	rajat@gmail.com
admin	password	admin@gmail.com

Test case 1: rajat – rajat@gmail.com – password – password

Register

Username
 Username is already taken

Email
 Email is already taken

Password

Confirm Password

[Sign Up](#)

Welcome to MeTube :)



Do you already have an account ? [Sign In](#)

Test case 2: rajatmittal – aaa – password – password

Register

Username

Email

 Email is not valid

Password

Confirm Password

Welcome to MeTube :)



Do you already have an account ? [Sign In](#)

Test case 3: rajatmittal – aaa@gmail.com – password – paaawrdo

Register

Username

Email

Password

Confirm Password

  Passwords do not match

Welcome to MeTube :)



Do you already have an account ? [Sign In](#)

Test case 4: rajatmittal – aaa@gmail.com – pass – pass

Register

Username

Email

Password

Confirm Password
 >Passwords Must be 6 characters or above

Welcome to MeTube :)



Test case 5: rajat – aaa – password – paaaword ;

Register

Username
 Username is already taken

Email
 Email is not valid

Password

Confirm Password
 Passwords do not match

Welcome to MeTube :)



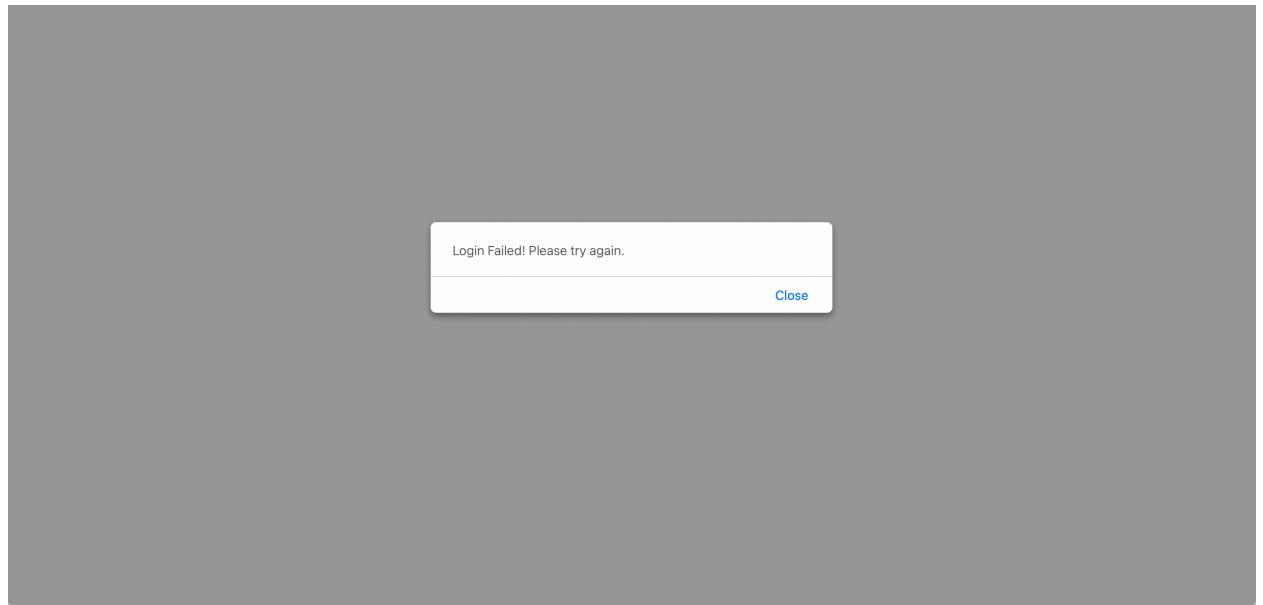
Test case 6: satmaku – satmaku@clemson.edu – password – password ; User created and it is redirected to user homepage.

Result : Passed

Case 2: Sign In / Login –

1. User should be able to log into Metube by checking the errors for incorrect username and password.

Test case 1: admin – admin; The below screenshot shows that the login failed and the below prompts are shown.



Login

Username

Password
 Username or Password is incorrect

Don't have an account? [Sign Up](#)

Welcome to MeTube :)



Test case 2: satmaku – password ; The below screenshot shows that the login succeeded and redirected to the logged in user page.

The screenshot shows the Metube dashboard header. It includes a search bar with placeholder text "Search", an "Upload" button, and a user profile icon for "admin".

a admin

Sort Media by : Name Views Upload Time Size

My videos



Yellow flowers

Uploaded by: admin
6 Views • about 2 hours ago



Yellow Blossom

Uploaded by: admin
2 Views • about 2 hours ago



Wind Chimes

Uploaded by: admin
5 Views • about 2 hours ago



Volcano

Uploaded by: admin
5 Views • about 3 hours ago



Result : Passed

Case 3: Signout / Logout –

1. User should be able to log out.
2. Once the user clicks on log out button, it should redirect to the homepage.

The screenshot shows the Metube dashboard header. It includes a search bar with placeholder text "Search", an "Upload" button, and a user profile icon for "admin". A dropdown menu is open next to the profile icon, showing options: "Your channel", "Update Profile", and "Logout".

a admin

Sort Media by : Name Views Upload Time

My videos



Yellow flowers

Uploaded by: admin
6 Views • about 2 hours ago



Yellow Blossom

Uploaded by: admin
2 Views • about 2 hours ago



Wind Chimes

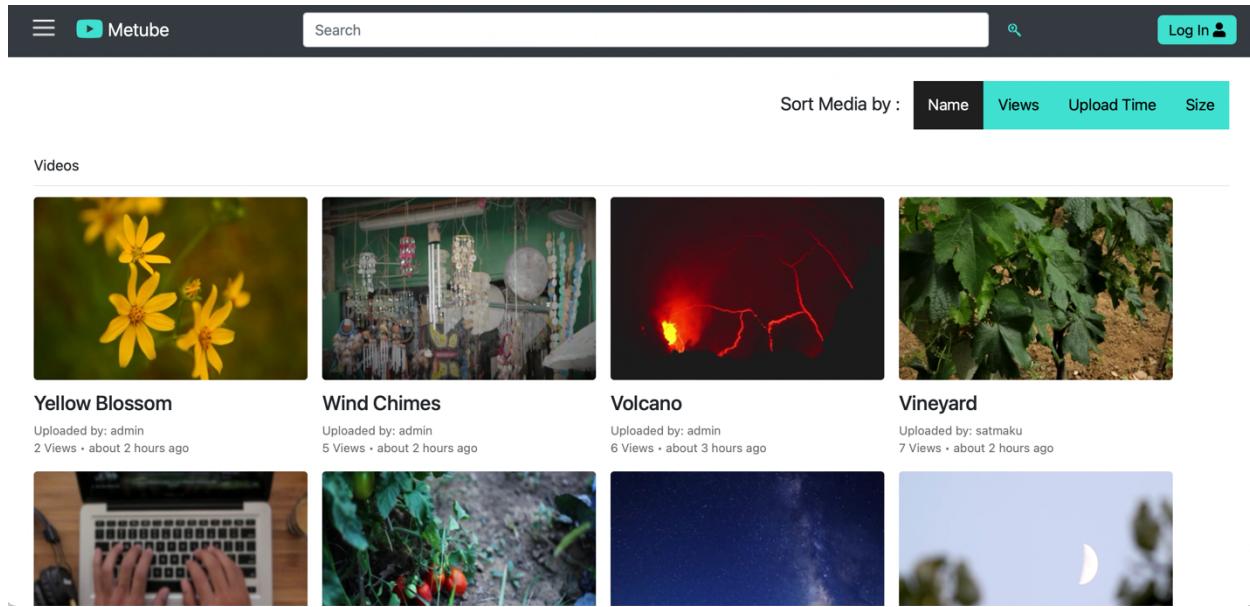
Uploaded by: admin
5 Views • about 2 hours ago



Volcano

Uploaded by: admin
6 Views • about 3 hours ago





Result : Passed

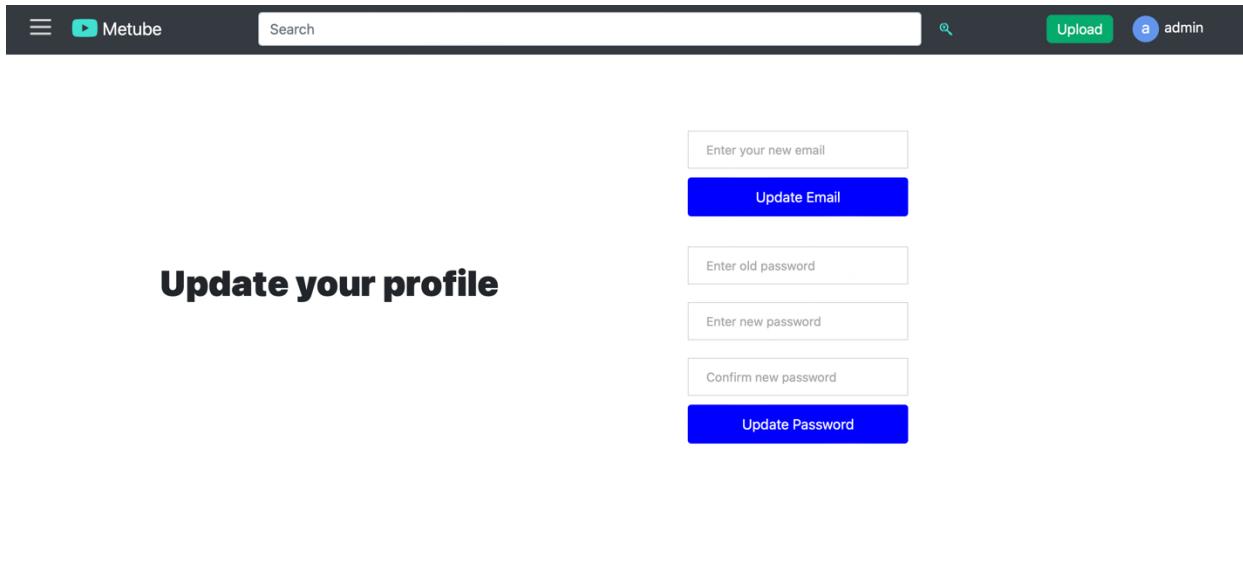
Case 4: Profile Update –

- Once the user is logged into the application, hover on to the right-side profile icon, and click on “Update profile”.
- User should be able to change the email and password accordingly and update the profile.

admin

My videos

Name	Views	Upload Time
Yellow flowers	6 Views	about 2 hours ago
Yellow Blossom	2 Views	about 2 hours ago
Wind Chimes	5 Views	about 2 hours ago



userName	password	emailId
rajat	password	rajat@gmail.com
admin	rajatm	admin1@gmail.com
satmaku	password	satmaku@clemson.edu
Adithya	aditya	adithya@gmail.com

Verified the changes in the frontend and the database, where admin's ,mail id is changed to admin1@gmail.com and password as rajatm.

Result : Passed

Case 5: Contact List, Contact List Organisation and Block User –

1. User should be able to use the Contacts as Friends, Family or Favorite.
2. User should be able to block/unblock contacts to avoid content sharing.

Test:

1. Click on Contacts on the navigation.
2. Select user by clicking on the dropdown.
3. Select block/unblock option.
4. The table below will show the Block status and current relationship.

Screenshot of the Metube profile update page:

Header: Metube, Search bar, Upload button, admin account.

Left sidebar: Home, Word Cloud, Contacts, Messages, Playlists, Favorites.

Main Content: **Update your profile**

Form fields:

- Enter your new email
- Update Email button
- Enter old password
- Enter new password
- Confirm new password
- Update Password button

Screenshot of the Metube profile page:

Header: Metube, Search bar, Upload button, satmaku account.

Manage your contacts here

All Contacts

rajat	<input type="button" value="Friend ▾"/> <input type="button" value="Confirm"/>	<input type="button" value="Block ▾"/> <input type="button" value="Confirm"/>
admin	<input type="button" value="Friend ▾"/> <input type="button" value="Confirm"/>	<input type="button" value="Block ▾"/> <input type="button" value="Confirm"/>
Adithya	<input type="button" value="Friend ▾"/> <input type="button" value="Confirm"/>	<input type="button" value="Block ▾"/> <input type="button" value="Confirm"/>

Your Relationship

Username	Current Relationship	Block/Unblock

The screenshot shows a user interface for managing contacts. At the top, there is a navigation bar with a logo, a search bar, and user profile information. Below the navigation bar, a main title reads "Manage your contacts here". Under this title, there is a section titled "All Contacts" which lists three users: rajat, admin, and Adithya. Each user entry includes a dropdown menu with "Friend" and "Block" options, and two "Confirm" buttons. Below this, there is a section titled "Your Relationship" containing a table with three rows. The columns are "Username", "Current Relationship", and "Block/Unblock". The data in the table is as follows:

Username	Current Relationship	Block/Unblock
rajat	Friend	Blocked
admin	Family	Not Blocked
Adithya	Fav	Not Blocked

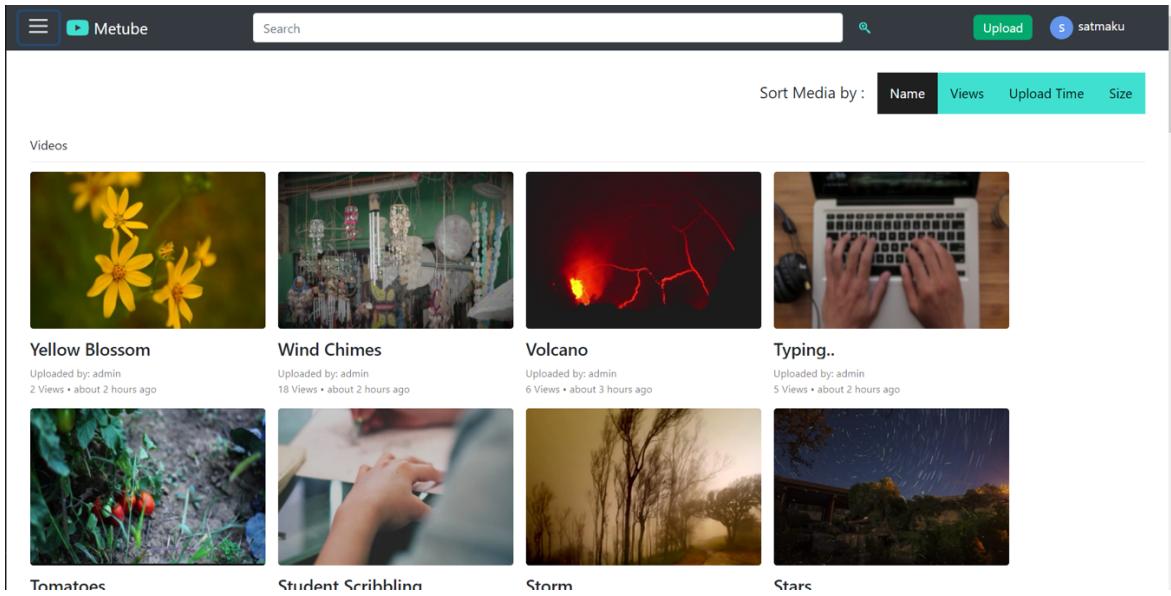
Result : Passed

Case 6: Upload Multimedia files, Web Interface for Meta Information and Sharing mode –

1. User who is signed in should be able to upload multimedia files.
2. User should be able to add meta info about the files while uploading which includes title and description of the media file.

Test:

1. Clicking on upload icon to upload the files and filling out the meta information of the file in the form provided.
2. Opening user's channel to check if the file has been uploaded correctly.
3. If the user uploads a file with same duplicate name, an error message to avoid the conflict should be displayed.
4. To Update video information: click on a video owned by the user who is logged in, scroll to the play page, and look for the "Edit Media Info" button near the bottom (media not owned by the current user cannot be edited). Then, modify the media title, description, keywords, visibility, category, and so on.



The screenshot shows the Metube 'Upload Media' interface. At the top, there's a navigation bar with a menu icon, the Metube logo, a search bar, an upload button, and a user profile for 'satmaku'. The main area is titled 'Upload Media'.

FILES: A green progress bar with the message 'Great, your files are selected. Keep on. Please drag or select media'.

THUMBNAIL: A green progress bar with the message 'Select a thumbnail to upload'.

TITLE*: A text input field containing 'test video'. A note says 'Use the code to get a better result.'

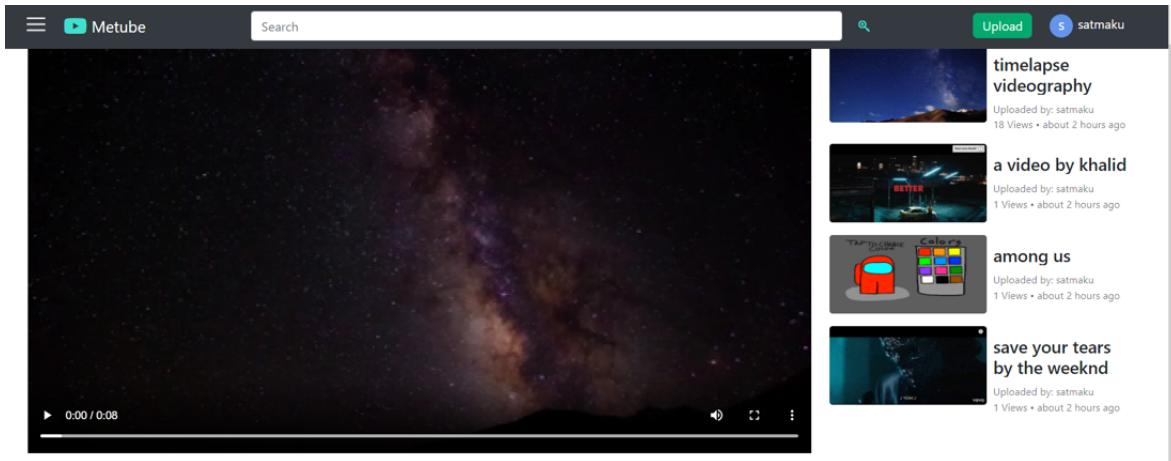
TAGS: A text input field containing 'test'. A note says '(separated by comma, ;)'.

DESCRIPTION: A text input field containing 'this is a test'. A note says 'maximum 200 characters'.

SELECT A CATEGORY: Buttons for ANIMAL, NATURE, CELEBRATION, PLANTS, and OTHER (which is selected).

VISIBILITY: Buttons for PUBLIC (which is selected), FRIEND, FAMILY, and FAV.

At the bottom are two buttons: a red 'UPLOAD' button and a white 'CANCEL' button.



#photography

timelapse videography

18 Views • about 2 hours ago

Ratings: 3.0 (1) ★★★★☆

Edit this media

Description

Please edit video info:

TITLE* timelapse videography Use title case to get a better result

TAGS photography (separated by comma ',')

DESCRIPTION 2 days timelapse of the milky way maximum 200 characters

SELECT A CATEGORY: NATURE ANIMAL CELEBRATION PLANTS OTHER

VISIBILITY PUBLIC FRIEND FAMILY FAV

UPDATE CANCEL

Result : Passed

Case 7: Download –

1. User should be able to click on a video and go to video play page where Download button is available.

The screenshot shows a video player interface for a video titled "Storm". The video thumbnail depicts a landscape with bare trees in a field under a hazy sky. A progress bar at the bottom indicates the video is 0:14 / 0:14. Below the video, the title "Storm" is displayed along with the hashtags "#storm,countryside,trees,moving,badweather". The video has 6 views and was uploaded about 3 hours ago. To the right of the video, there is a "Download this media" button and a rating section showing 0 ratings. On the far right, there is a sidebar with other video thumbnails: "Night View", "Volcano", and "Clouds", each with their respective upload details.

2. Visitor and User should be able to download the video by clicking on download button and then confirm download in the new page.

The screenshot shows a download confirmation dialog box. It displays the file name "lava_volcano_heat_flowin_hot_red_374 (1).mp4" and the message "Download complete". There is a "Confirm Download" button at the bottom left of the dialog.

webapp.computing.clemson.edu/~rajatm/meTube/uploads/admin/lava_volcano_heat_flowin_hot_red_374.mp4

Result : Passed

Case 8: View Media Files –

1. The media files should be viewable by the user via a media player incorporated in the web interface.
2. When nonregistered users visit the MeTube home page, they should be able to view all the public media files.
3. When registered users' visits, they should be able to view all the public media files expect for the user owned media.

4. By visiting the Channels page, registered users should also be able to browse videos shared by their contacts as well as videos they've uploaded.
5. By visiting the watch page, registered users can leave comments and rate videos.

Videos

Yellow Blossom	Wind Chimes	Volcano	Typing..
Uploaded by: admin 2 Views • about 2 hours ago	Uploaded by: admin 5 Views • about 2 hours ago	Uploaded by: admin 5 Views • about 3 hours ago	Uploaded by: admin 5 Views • about 2 hours ago
Tomatoes	Student Scribbling	Storm	Stars

Result : Passed

Case 9: Browse by Category and Ordering Media Files –

1. Users can categorize media in all sites where data is loaded as a media grid by utilizing the headers.

The screenshot shows the Metube homepage with a sidebar on the left containing links for Home, Word Cloud, Contacts, Messages, Playlists, Favorites, and Categories (Nature, Animal, Celebration, Plants, Other). The main content area displays a grid of video thumbnails under the heading "Videos". Each video entry includes the title, uploaded by, views, and upload time. The first three videos are "Yellow Blossom", "Wind Chimes", and "Volcano". Below these are "Tomatoes" and "Student Scribbling". A sorting menu at the top right allows users to "Sort Media by: Name, Views, Upload Time, Size". The URL in the address bar is webapp.computing.clemson.edu/~rajatm/meTube/index.php?page=Home&category=Animal.

2. Users can also sort the media based on file properties including file size, upload time, most views, and title.
- Test: Verify to see if the results displayed are the same as those in the database.
3. Firstly, to see all videos go to the homepage and select a category by clicking on the buttons named according to the categories.
 4. The order of media needs to be by different features title, most views, size.

The screenshot shows the Metube homepage with a sidebar on the left containing links for Home, Word Cloud, Contacts, Messages, Playlists, Favorites, and Categories (Nature, Animal, Celebration, Plants, Other). The main content area displays a grid of video thumbnails under the heading "Videos". The results are specifically for the "Nature" category. Each video entry includes the title, uploaded by, views, and upload time. The videos shown are "Volcano", "Storm", "Stars", "Snow", and two other unlabelled nature videos. A sorting menu at the top right allows users to "Sort Media by: Name, Views, Upload Time, Size". The URL in the address bar is webapp.computing.clemson.edu/~rajatm/meTube/index.php?page=Home&category=Nature.

Above are the results of
 "Nature" category videos ordered according to their size.
 Search page and Channel page also have the ordering feature.

Result : Passed

Case 10: Channel –

1. My channel is on the right side navigation bar where the user can click on the username.

The screenshot shows the Metube application interface. At the top, there is a navigation bar with a menu icon, the logo 'Metube', a search bar, and an 'Upload' button. To the right of the search bar is a user profile icon for 'satmaku'. A dropdown menu is open from this icon, containing options: 'Your channel', 'Update Profile', and 'Logout'. Below the navigation bar, the text 'Videos' is displayed. There are eight video thumbnails arranged in two rows of four. The first row includes 'Yellow Blossom' (uploaded by admin, 2 views, about 2 hours ago), 'Wind Chimes' (uploaded by admin, 18 views, about 2 hours ago), 'Volcano' (uploaded by admin, 6 views, about 3 hours ago), and 'Typing..' (uploaded by admin, 5 views, about 2 hours ago). The second row includes 'Tomatoes' (uploaded by admin, 2 views, about 2 hours ago), 'Student Scribbling' (uploaded by admin, 1 view, about 2 hours ago), 'Storm' (uploaded by admin, 1 view, about 2 hours ago), and 'Stars' (uploaded by admin, 1 view, about 2 hours ago).

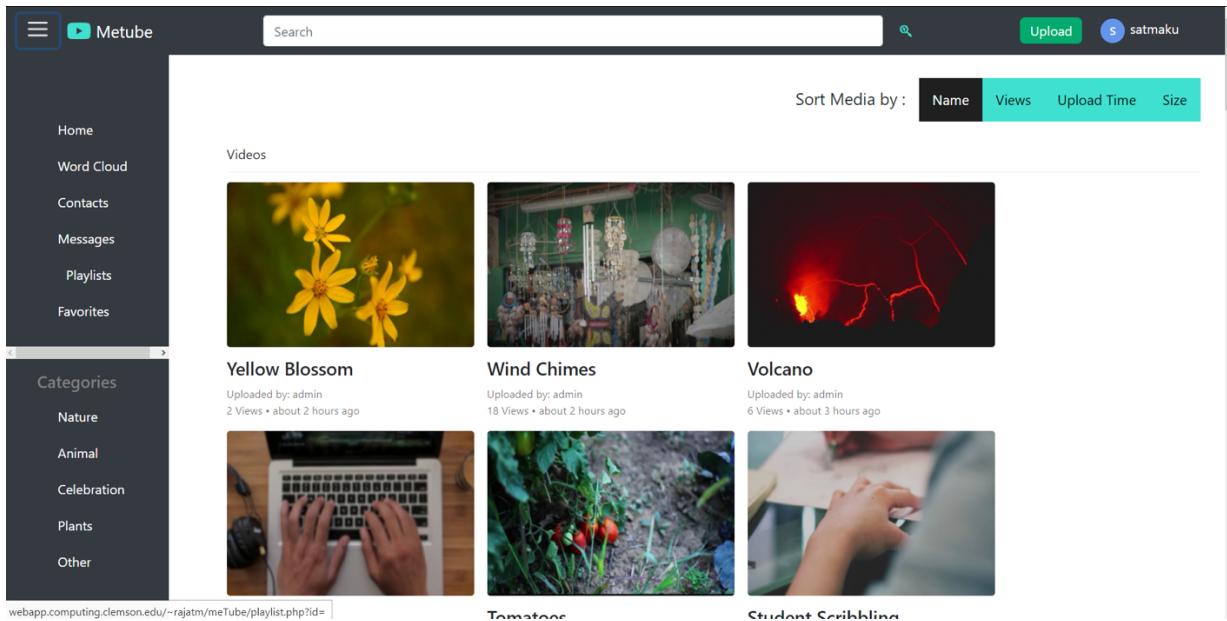
The screenshot shows the user's channel page. At the top, there is a navigation bar with a menu icon, the logo 'Metube', a search bar, and an 'Upload' button. To the right of the search bar is a user profile icon for 'satmaku'. Below the navigation bar, the text 'My videos' is displayed. A dropdown menu is open, showing sorting options: 'Sort Media by : Name', 'Views' (which is highlighted in green), 'Upload Time', and 'Size'. There are five video thumbnails displayed. The first three are from the previous screenshot: 'Vineyard' (uploaded by satmaku, 5 views, about 2 hours ago), 'timelapse videography' (uploaded by satmaku, 17 views, about 2 hours ago), and 'The moon' (uploaded by satmaku, 12 views, about 2 hours ago). The last two are: 'save your tears by the weeknd' (uploaded by satmaku, 1 view, about an hour ago) and a partially visible thumbnail for a fourth video.

Above is the result for showing media in “My channel” which is ordered according to the most viewed feature.

Result : Passed

Case 11: Playlist –

1. User should be able to create/delete playlist and add media to playlist.
2. User should be able to click on playlists in the sidebar of the homepage.



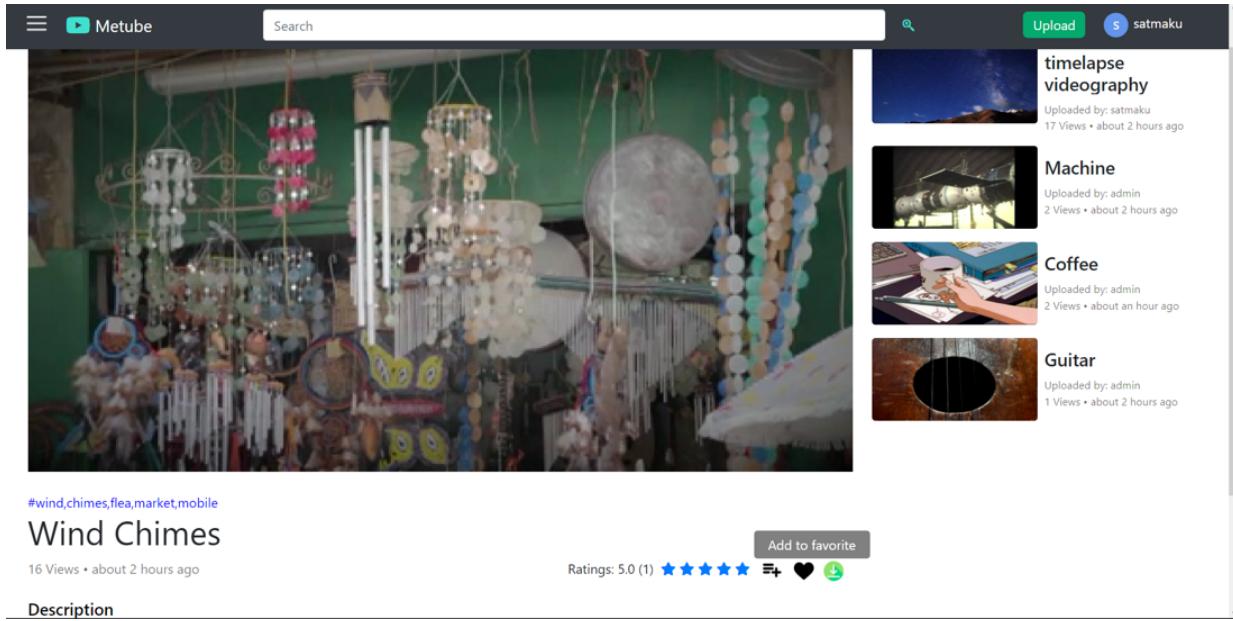
3. Should be able to navigate to create playlist and give name.

The screenshot shows the "My Playlists" page. At the top, there's a "Create A New Playlist" button, an "Enter Name" input field, and a "Create" button. Below this, a box contains the title "My Playlist" and two buttons: "View Playlist" and "Delete Playlist". Further down, a section titled "Playlist: My Playlist" shows a horizontal scrollable list of video thumbnails, including "Yellow Blossom", "Wind Chimes", "Volcano", and "Tomatoes".

Result : Passed

Case 12: FavoriteList –

1. Registered users should be able to save media to their favorites list and access it later by going to the Favorites option in the sidebar.
2. Add to Favorites:
 - 2.1 User should be able to click on the video and click “Add to Favorite” which is located on the playpage. If the video is added to list, success message should appear and the button changes to “Remove from Favorite”



3. Remove from Favorites:
 - 3.1 User should be able to click on the video and click “Remove from Favorite” which is located on the play page. If the video exists in favorite list, success message of removal should appear and the button changes to “Add to Favorite”.

The screenshot shows a video player interface for 'Wind Chimes'. At the top, there's a navigation bar with a menu icon, the 'Metube' logo, a search bar, and user account information ('Upload', 'satmaku'). Below the video player, there's a sidebar with a profile picture for 'kethipz' and a video thumbnail for 'lofi girl'. The main content area displays the video 'Wind Chimes' with a green background, various hanging decorations like wind chimes and balloons, and a rating of 5.0 (1) stars.

#wind,chimes,flea,market,mobile

Wind Chimes

15 Views • about 2 hours ago

Ratings: 5.0 (1) ★★★★★ ⚡ ❤️ 🎵

[Remove from favorite](#)

Description

4. Check Favorite List:

4.1 User should be able to select “Favorite List” on the left side navigation bar and the List as shown below should appear.

The screenshot shows the 'Favorites' list on the Metube platform. On the left, there's a sidebar with navigation links: Home, Word Cloud, Contacts, Messages, Playlists, Favorites, and Categories (Nature, Animal, Celebration, Plants, Other). The main content area is titled 'Videos' and displays a grid of video thumbnails. The first row includes 'Yellow Blossom' (Uploaded by: admin, 2 Views), 'Wind Chimes' (Uploaded by: admin, 16 Views), and 'Volcano' (Uploaded by: admin, 6 Views). The second row includes 'Tomatoes' (Thumbnail shows a plant with red tomatoes) and 'Student Scribbling' (Thumbnail shows hands writing on paper).

Sort Media by : [Name](#) [Views](#) [Upload Time](#) [Size](#)

Yellow Blossom
Uploaded by: admin
2 Views • about 2 hours ago

Wind Chimes
Uploaded by: admin
16 Views • about 2 hours ago

Volcano
Uploaded by: admin
6 Views • about 3 hours ago

Tomatoes

Student Scribbling

webapp.computing.clemson.edu/~rajatm/meTube/favorites.php

Metube

Search

Upload satmaku

Sort Media by: Name Views Upload Time Size

My Favorite videos

Wind Chimes
Uploaded by: admin
18 Views • about 2 hours ago

My Favorite images

Result : Passed

Case 13: Most Viewed –

1. User should be in Visitor mode, i.e by not logging in, on the home page. Then, by selecting “All” category, select “Most Views”. All videos should be listed in descending order of no. of views.

Metube

Search

Log In

Sort Media by: Name Views Upload Time Size

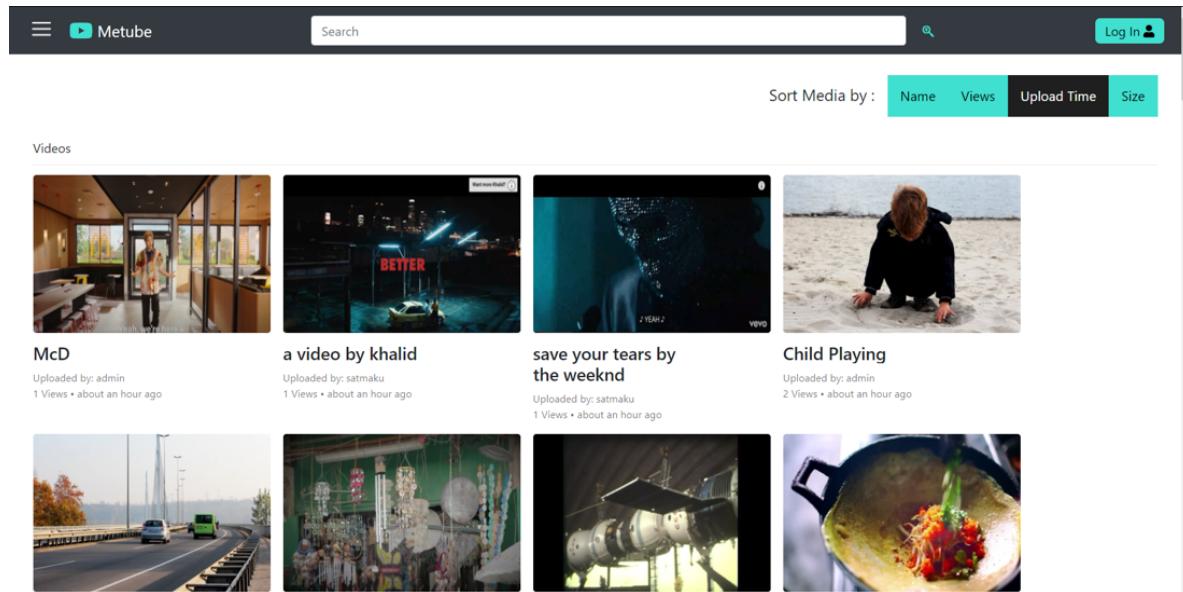
Videos

Video Title	Uploader	Views	Last Updated
timelapse videography	satmaku	17	about 2 hours ago
The moon	satmaku	12	about 2 hours ago
Fly	admin	5	about 7 hours ago
Storm	admin	5	about 3 hours ago

Result : Passed

Case 14: Most recently uploaded –

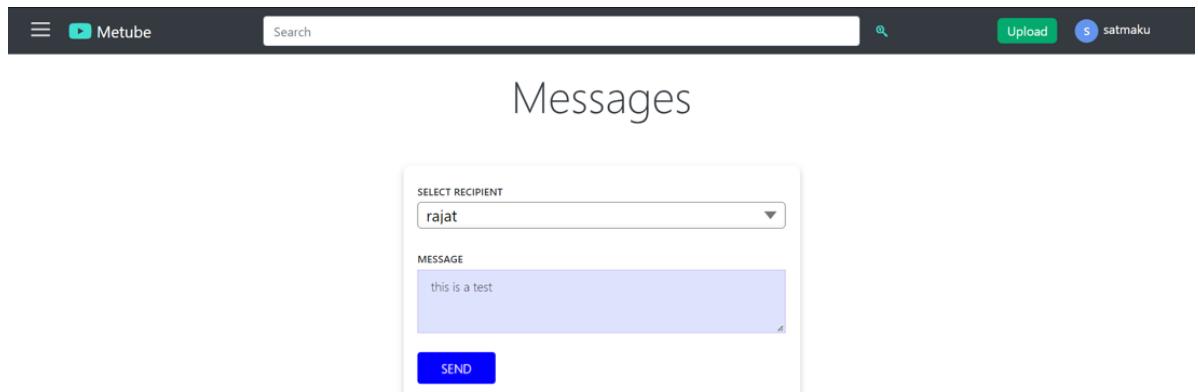
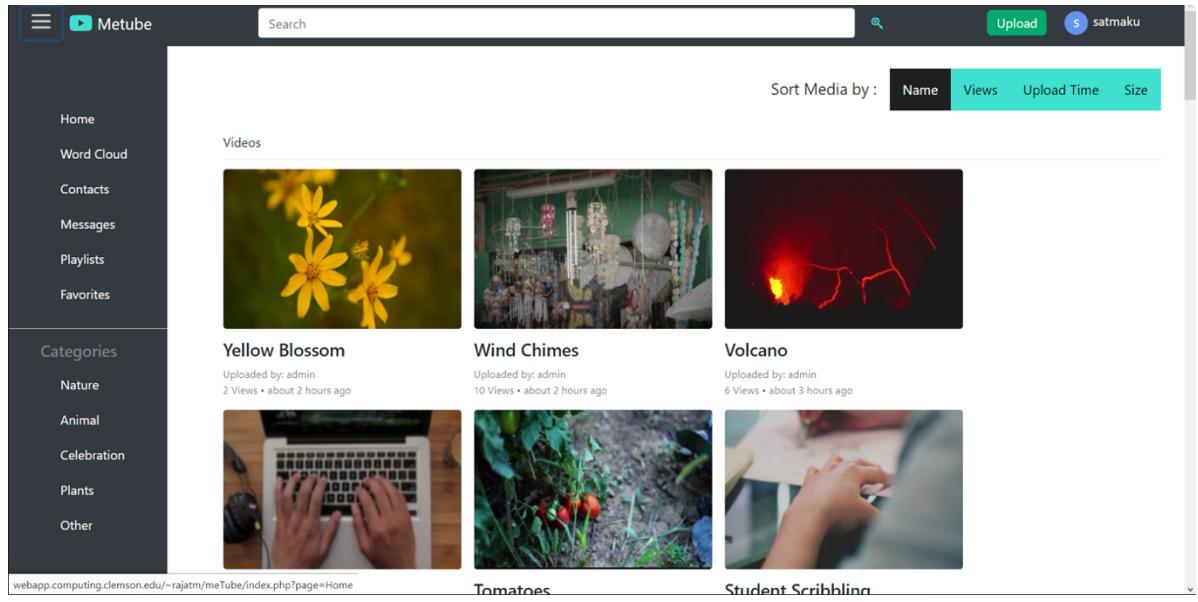
2. User should be in Visitor mode, i.e by not logging in, on the home page. Then, by selecting “All” category, select “Recently Uploaded”. All videos should be listed in descending order of upload time.



Result : Passed

Case 15: Exchange of messages between users –

1. Messaging feature acts like an inter mail like service to send and view message from a registered user to any Metube user.
2. User should be able to view messages, sent and received.
3. User should be able to navigate to message option in the side bar and select a user to send a message from the dropdown.
4. User can send a message by entering the text and clicking on the “message”
5. Users should also be able to view the messages they sent by clicking on Send button.



Result : Passed

Case 16: Commenting on Media Files –

1. User should be able to comment on the media files.
2. User should be able to navigate to the video to view the comments on the media file.
3. Registered users can also add their comments to the media files.

#long.exposure.photography.stars

Stars

5 Views • about 3 hours ago

Description

Photography of long exposure of stars

Comments

awesome!

By: satmaku on 2022-04-20 21:37:42

Comment something here.. dont be harsh Post

RATINGS: 0 (0) ★ ★ ★ ★ +1 Heart Download

Ocean
Uploaded by: admin
1 Views • about 3 hours ago

lightning
Uploaded by: admin
1 Views • about 3 hours ago

Result : Passed

Case 17: Rating Media –

1. User should be able to rate the media available.
2. Ratings can be viewed by all the Metube users.
3. Registered users should be able to rate the media ranging from 1 to 5.
4. Overall rating on the media should update with every change to rating from users.

#wind,chimes,flea,market,mobile

Wind Chimes

9 Views • about 2 hours ago

Description

Wind Chimes in the flea market

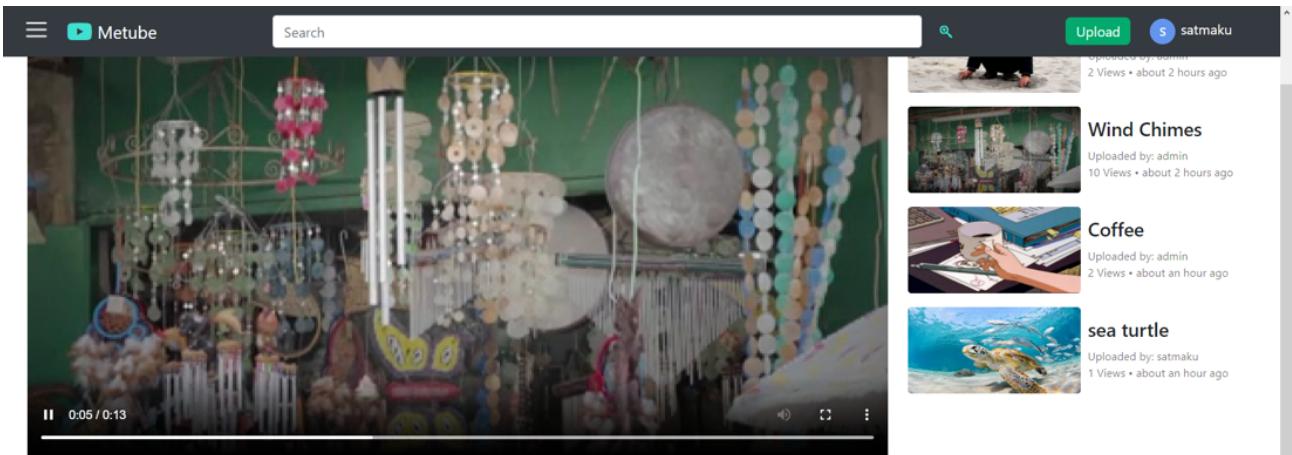
webapp.computing.clemson.edu/~rajatm/meTube/updateRating.php?rate=5&mediaId=48

RATINGS: 0 (0) ★ ★ ★ ★ +1 Heart Download

a video by khalid
Uploaded by: satmaku
1 Views • about an hour ago

Student Scribbling
Uploaded by: admin
1 Views • about 2 hours ago

The moon
Uploaded by: satmaku
12 Views • about 2 hours ago



#wind,chimes,flea,market,mobile

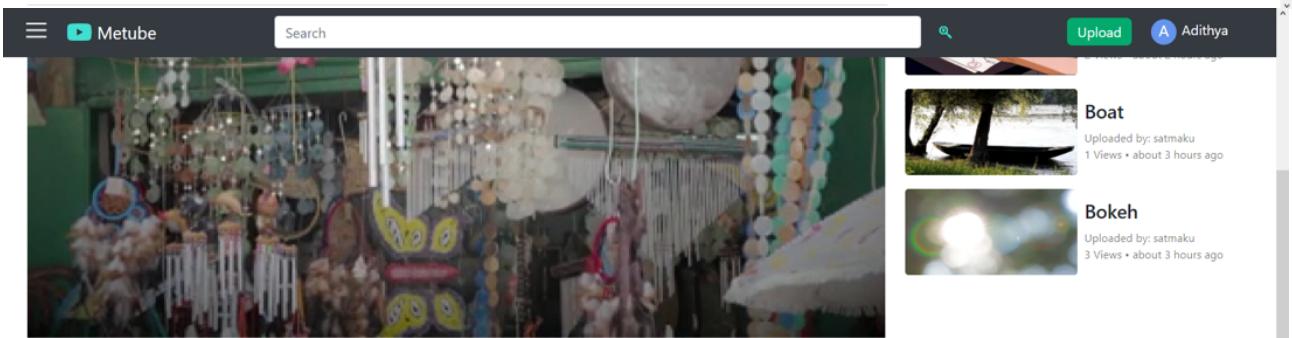
Wind Chimes

10 Views • about 2 hours ago

Ratings: 5.0 (1) ★★★★★ ⚡ ❤️ 🔍

Description

Wind Chimes in the flea market



#wind,chimes,flea,market,mobile

Wind Chimes

26 Views • about 2 hours ago

Ratings: 4.7 (3) ★★★★★ ⚡ ❤️ 🔍

Description

Wind Chimes in the flea market

Comments

No Comments

Comment something here.. dont be harsh

Post

Result : Passed

Case 18: Search based on Keyword and Feature (file size) –

- When a word (space) is searched in the search bar by clicking search, the result should show the media associated with that word.
- By default, In the search results; refined search can be done by selecting one of the '0-100K' '100K-1000K' , '>1000K', options, the results will be refined within this range.

☰ Metube space satmaku

Sort Media by :

Videos

			
Yellow Blossom Uploaded by: admin 2 Views • about 2 hours ago	Wind Chimes Uploaded by: admin 5 Views • about 2 hours ago	Volcano Uploaded by: admin 6 Views • about 3 hours ago	Typing.. Uploaded by: admin 5 Views • about 2 hours ago
			
Tomatoes	Student Scribbling	Storm	Stars

☰ Metube Search satmaku

Refined Search by size :

Sort Media by :

Videos from 'space'


Machine Uploaded by: admin 0 Views • about an hour ago

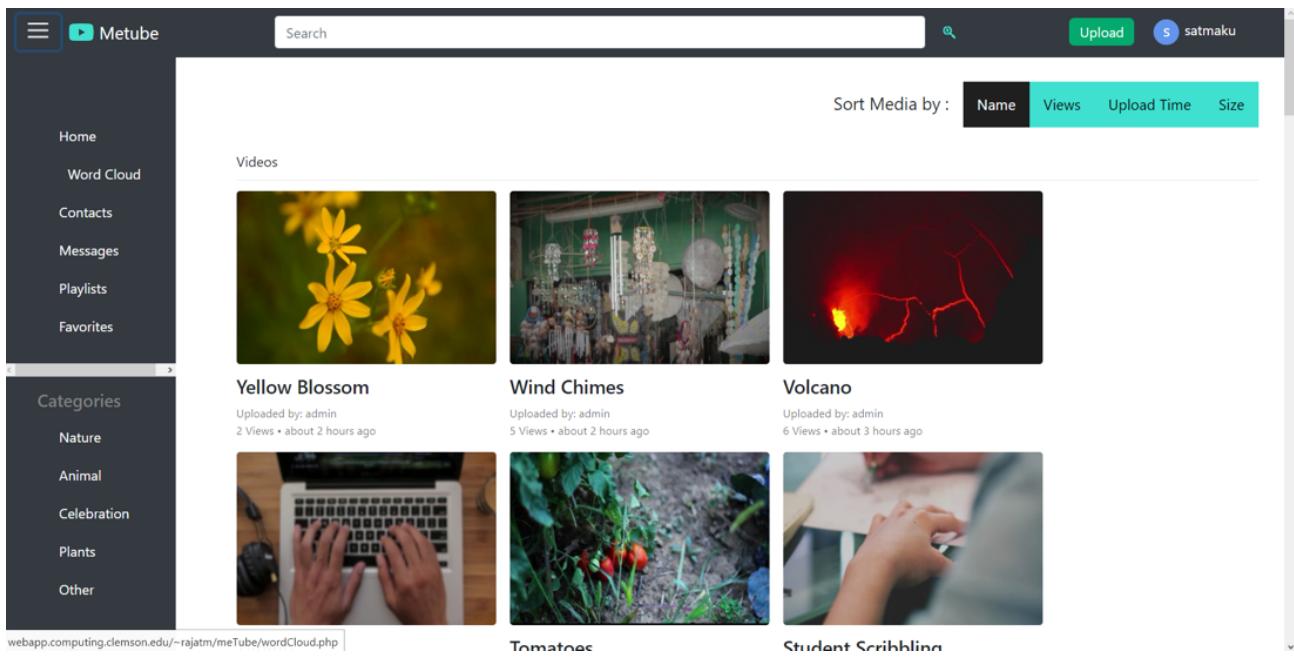
Images from 'space'



Result : Passed

Case 19: Word Cloud –

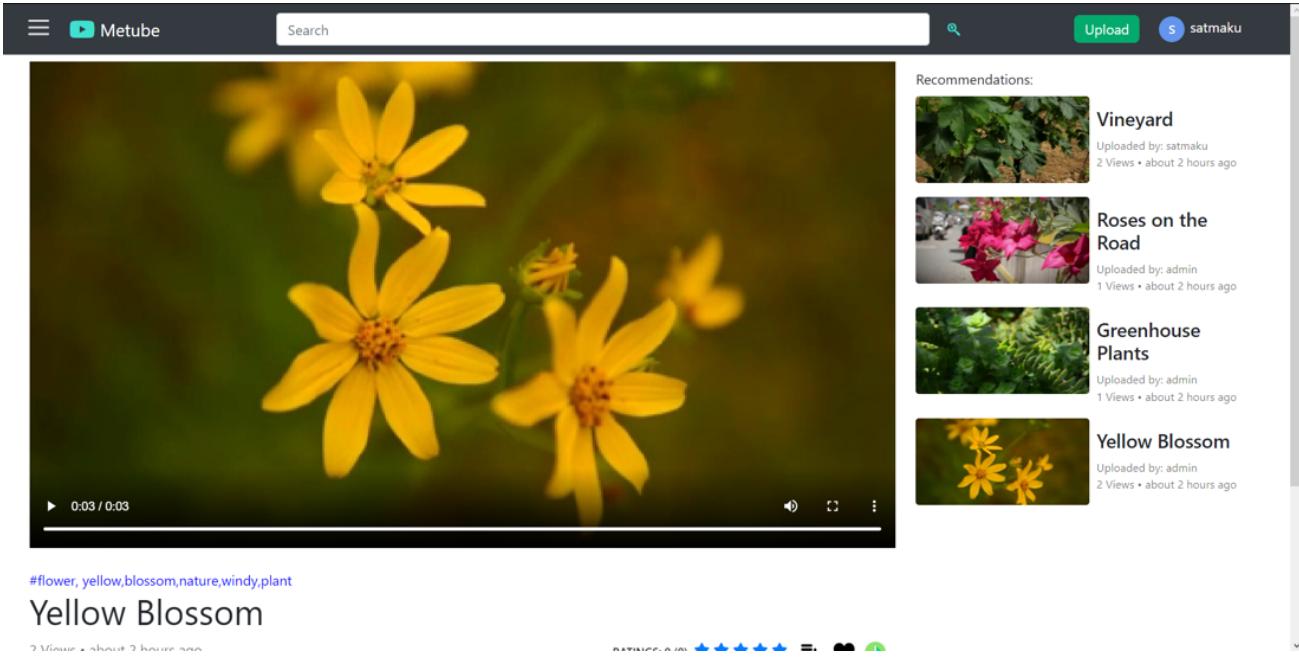
1. User should be able to navigate to the left navigation bar and click on WordCloud. Once clicked user should be able to see the below result.



Result : Passed

Case 20: Media Recommendation –

1. Recommendation of media is based on the video of same category.
2. User should be able to click on link of the video to go to the watch page.
3. Once the user is on watch page, recommendations should be shown on the right side.



Result : Passed

All the testcases have been passed successfully.

User Manual:

1. Users can register for an account on the website by clicking the "Sign Up" button and entering a username and password, as well as confirming the password. Media can be uploaded, edited, favorited, and commented on by MeTube users. They may also edit their profile information, manage Playlists, and message other users. MeTube users can easily sign out at any time by choosing "Sign out." Visitors to MeTube are granted access to media files.
2. Visitors to MeTube are granted access to media files. A visitor must first register. To become a system user, you must first give basic information.
3. If the user already has an account, he or she can sign in using the "Log In" option, which requires the user to provide the username and password that were used to register the account. A user's profile information can be updated at any time. This enables them to update their account's information as well as their password. Any other users can be added to a user's contact/friend list. The user can view their contacts/friends in the "contacts"/"friends" area of the navigation when they have been added.
4. After logging in, the user can choose from the options on the main page to view his or her profile, explore all people, or browse all material. When the user chooses to see the

profile, the user will see the profile body, which he or she can alter to suit his or her personality and interests. On top of the profile body, this space also indicates when the profile was created.

5. The user can browse to "Uploads," which shows all the content that the user has already uploaded to this account. The drop-down menu in the top-left corner of the uploads body can be used to filter the material. By clicking "Upload" and filling out the title, description, category, and keywords fields, a user can upload media.
 1. When watching a particular media, the user can favorite it by clicking the "Favorite" button.
 2. A User can leave a comment on a piece of media by scrolling to the bottom of the page, filling out the Comment form, and then clicking "Add Comment." It is not possible to remove comments.
6. Users can also make their own playlists by going to the "Playlists" menu. When browsing a Media, choose it from the list of Playlists and click "Add to Playlist" to add it to the Playlist. The Playlist's items can be removed. Users can browse to the "Favorites" tab to see all their favorite stuff from this account. The user can view a list of accounts by heading to the "Subscriptions" page which he or she has subscribed for.
7. To return to the home page, the user can always click on the "MeTube" logon in the top-left corner of the web page or the button in the top-right corner of the web page that has a home symbol and the username on it.
8. When the user selects "Inbox," the user is taken to a screen with three options: "Show Read Messages," "Mark All Read," and "Compose New Message," and the received messages are displayed below. When the option "Show Read Messages" is selected, the messages that have been read previously are displayed. When the "Mark All Read" button is pressed, all messages received are marked as read. When you choose "Compose New Message," a new tab appears. A window appears where the user can send a new message to other users by putting a "username," "subject," and "message" in the appropriate areas, and pressing the "Send" button.
9. The media can be rated, and the average rating can be viewed by the user.