

DOCUMENTATION

Vidoe

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Introduction

This website represents an online platform for sharing video content.

Used programming languages:

The following programming languages were used for creation of this website:

HTML, CSS, JavaScript/jQuery, PHP, Laravel, MySQL.

Additional technologies: PHP-FFmpeg and FFprobe.

Work environment: PHP Storm.

Description of functionalities:

The website offers the following functionalities:

- Dynamic printing of the sidebar menu from the database
- Dynamic printing of videos from the database
- Subscription to other users account
- Adding user data to the sidebar menu after successful subscription (AJAX)
- Like and dislike video (AJAX)
- Like and dislike comment (AJAX)
- Video commenting with the possibility of sub-comments (replies)
- Add, delete and edit videos (user)
- Edit profile information (user)
- Printing of statistical data on user's profile (number of channels to which he is subscribed, number of published videos, total number of likes on this videos, total number of dislikes)
- Dynamic printing of video of those users to whom the user is subscribed
- Printing comments with AJAX
- Adding videos to the history playlist after the user has visited the video
- Adding a video to the liked videos playlist after the user has liked it (deleting from the playlist if the user dislikes it or clicks like again)
- Deleting videos from the history and liked videos playlist
- Total number of views on a video (increases by 1 if the video was visited by a user with a unique IP address)
- Generate a thumbnail for the uploaded video, as well as getting the length

of the video and writing it in the database (ffmpeg and ffprobe)

- Login and registration
- Protection of certain pages using middleware
- Filter videos by category
- Filter videos by title and description on the homepage and channel page (keyup)
- Sort videos by duration and number of views
- Pagination and its coordinated operation with filter and sort
- If the user uses search from a page different than home page, he is then redirected to the home page with filtered videos and the possibility of further pagination and sorting (remembering search parameters)
- Contact page and sending the message to the admin's email
- Sending verification email after registration
- Prohibition of logging in if the user has not verified the email
- Display of key user activities on the admin panel
- CRUD operations on the admin panel on users, categories and videos

Template:

User frontend:

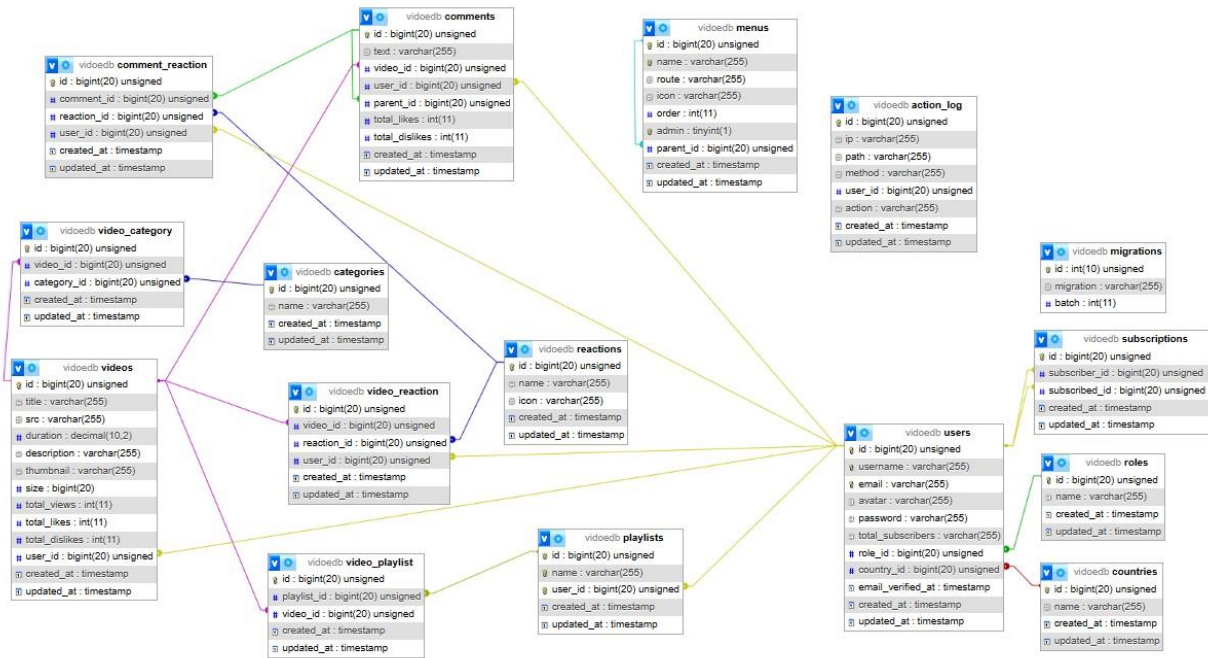
<https://themeforest.net/item/video-video-streaming-website-html-template/22442760?ref=askbootstrap>

Admin panel:

<https://adminlte.io/>

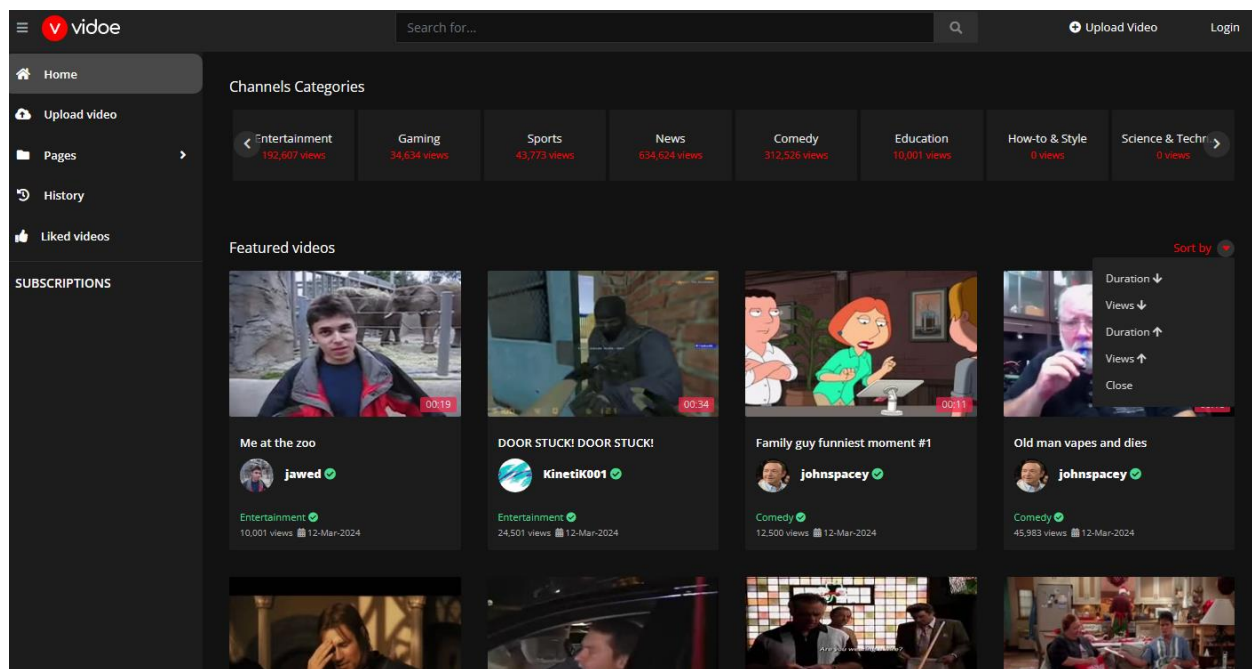
Structure

Database design

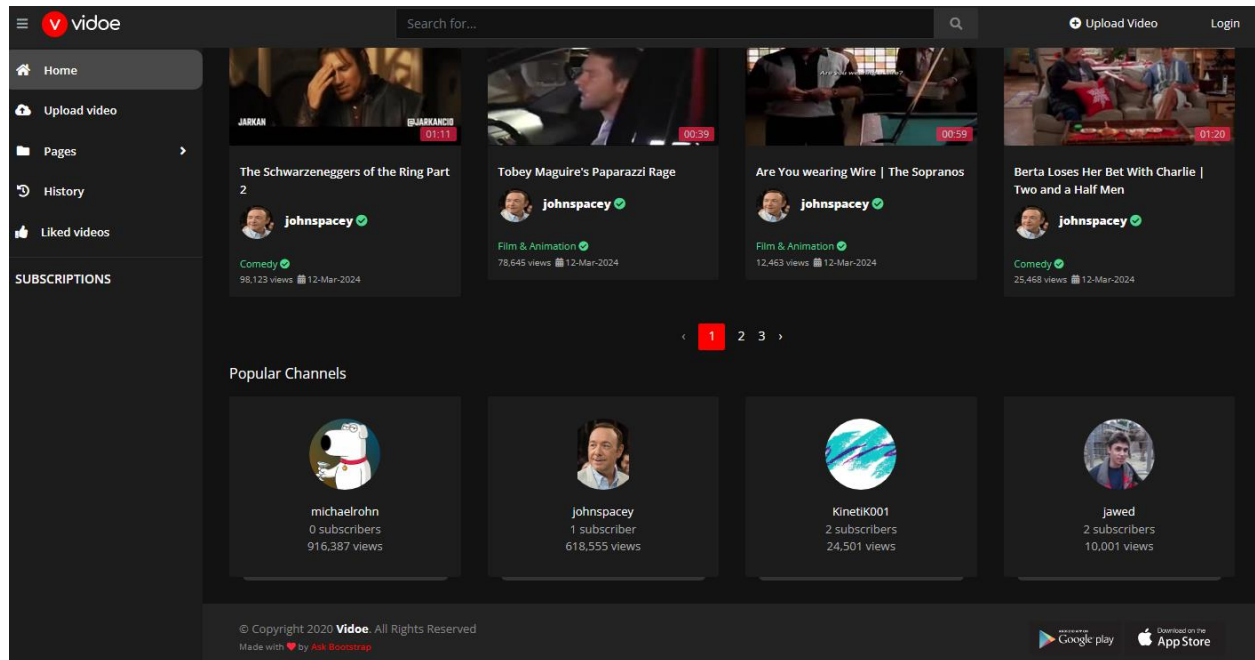


Website screenshots and description of functionalities

/ or /home

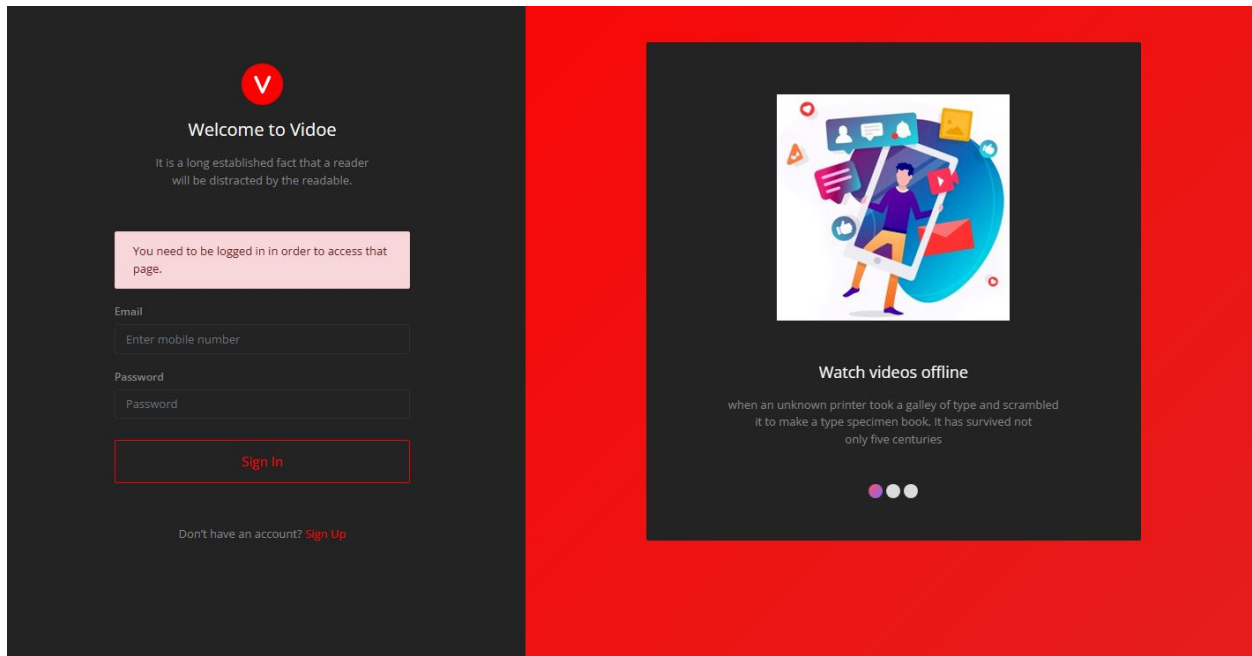


Initial view of the home page. Videos, categories and sidebar menu data are dynamically printed from the database. User can filter videos by using the search field, as well as filtering videos by category. User can also sort videos.



The user can also use pagination with coordinated filtering and sorting. At the bottom of the page 4 users with the most views on their videos are shown. The user is not allowed to subscribe to someone's channel if he is not authorized.

/login



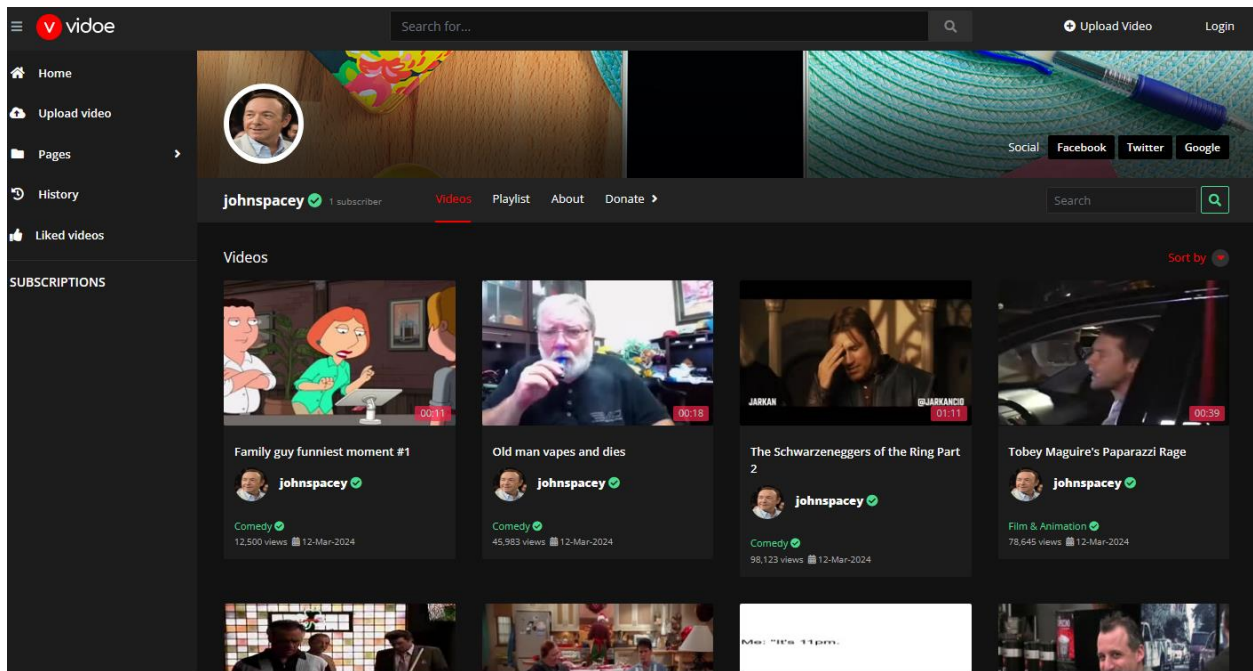
If the user tries to access the following pages: upload video, liked videos, history, as well as react to a video or a comment or leave a comment, he will be redirected to the login page with the following message.

Data validation during login is done on the backend.

If the user does not enter valid credentials, he will be notified.

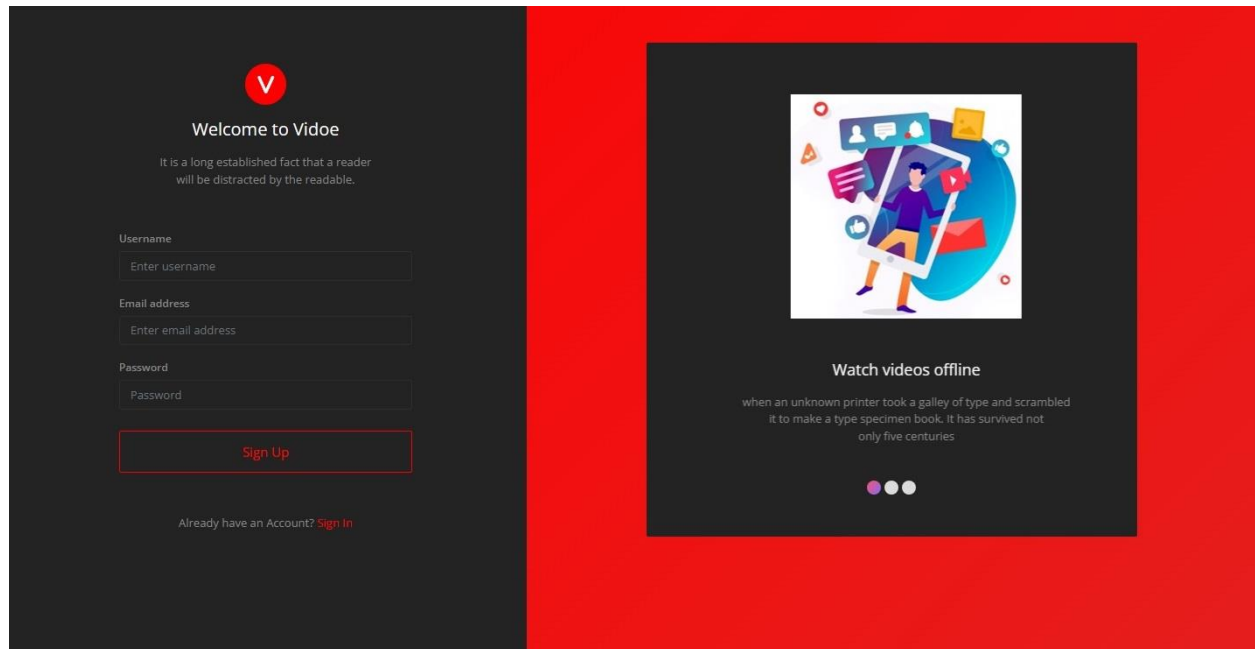
After a successful login, the user is redirected to the home page and admin is being redirected to admin panel page.

/channels/{channel}



Public view of the user profile, other users can see his videos, filter them with the search field on the top right side and sort them (with the possibility of pagination). If the user performs a search using the field above, he will be redirected to the home page with filtered videos.

/register



The image shows a registration form on the left and a welcome message on the right, both set against a dark background with a red border.

Registration Form:

- Logo: A red circle with a white 'V'.
- Header: "Welcome to Vidoe"
- Text: "It is a long established fact that a reader will be distracted by the readable."
- Fields:
 - Username: "Enter username"
 - Email address: "Enter email address"
 - Password: "Password"
- Button: "Sign Up"
- Footer: "Already have an Account? [Sign In](#)"

Welcome Message:

- Image: An illustration of a person holding a large smartphone, surrounded by various social media and communication icons.
- Text: "Watch videos offline"
- Text: "when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries"
- Progress indicator: Three dots, with the first one filled.

Registration form. Errors are displayed to the user if he enters a username or email that is already taken or if he fills in the fields incorrectly. After successful registration a verification link is sent to the users's email, which he must open in order to activate his account, otherwise he will not be able to login.

/contact

Search for...

Upload Video

Login

Home

Upload video

Pages

History

Liked videos

SUBSCRIPTIONS

Get In Touch

Address :

Теразије 22

Mobile :

+381 64 888 999, +381 60 999 111

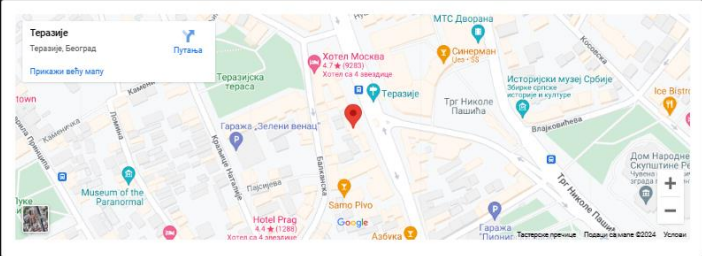
Email :

info@email.com

Теразије

Теразије, Београд

Прикажи већу мапу



Contact Us

Email address *

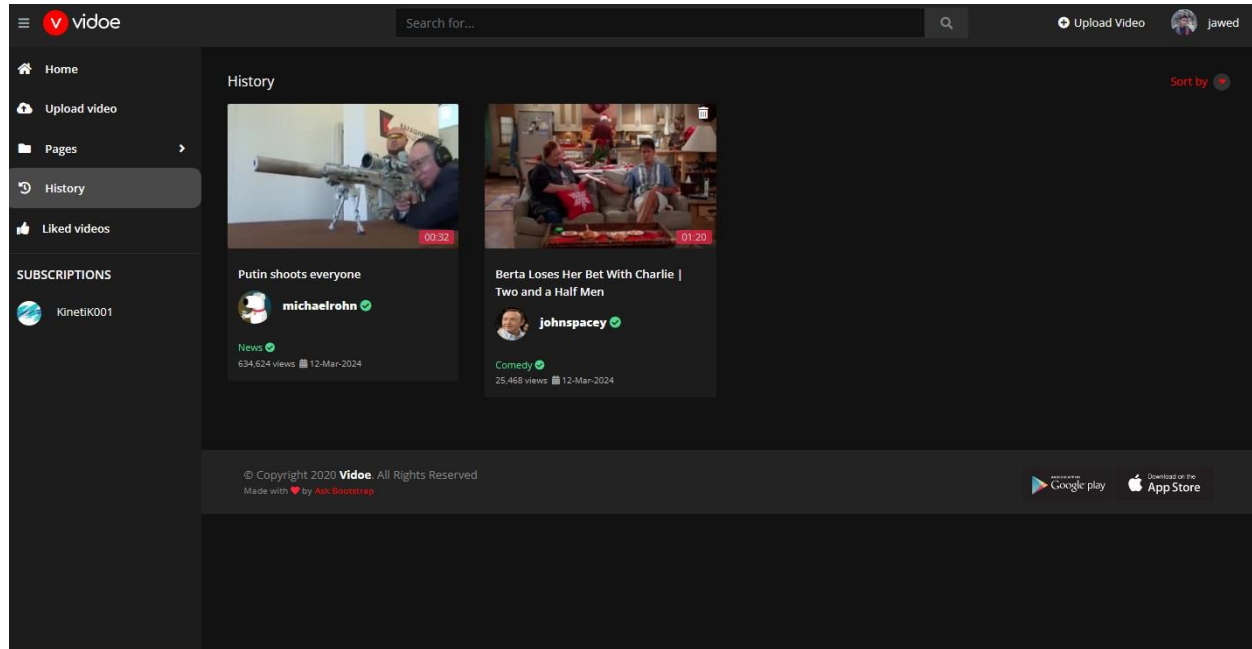
Subject *

Message *

Send Message

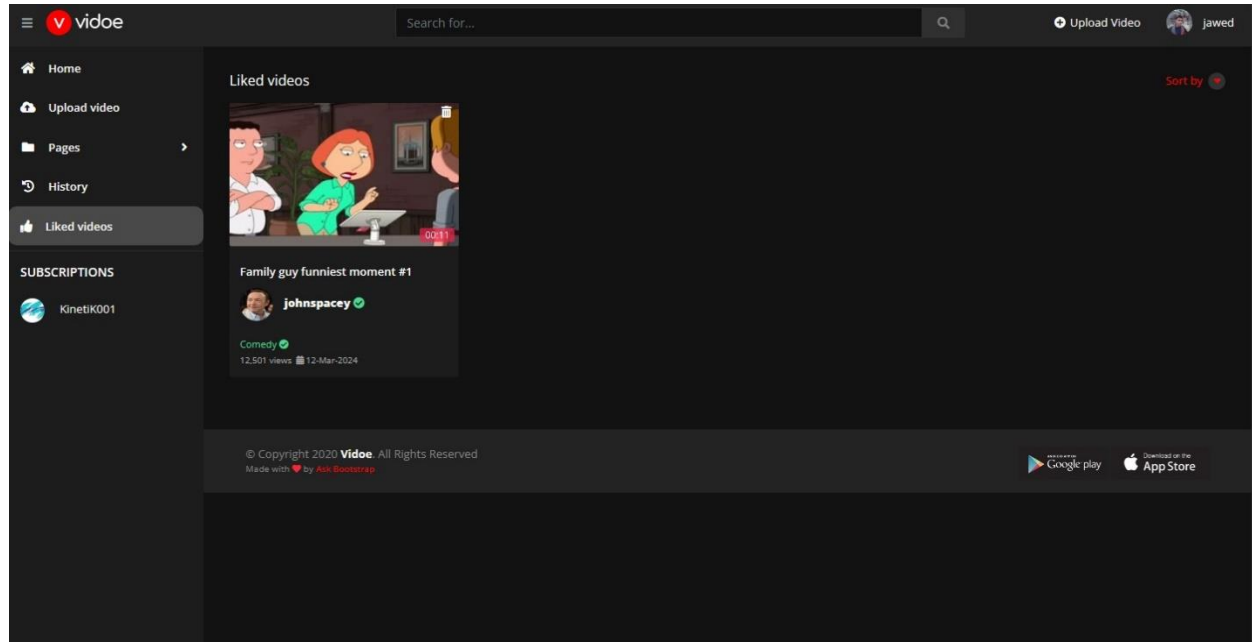
Contact page. If the user fills out the form correctly, a message is sent to the admin's email, otherwise errors are printed to the user in accordance with the validation rules.

/history/{user}



History page. On this page, all vidoes visited by the user are printed, an pagination with filter and sort are also enabled here. The user can delete the video from the history page. When the user visits a video for the first time, it is recorded in the history and every other time it is not. If the playlist is empty, the message 'No videos found' will be displayed.

/liked/{user}



Liked videos page. This page shows videos that the user has liked. When the user dislikes or unlikes a video, that video is deleted from this playlist. User can paginate, filter and sort videos. If the playlist is empty, the message 'No videos found' will be displayed.

/videos/create

The screenshot shows a web interface for uploading a video. On the left is a sidebar with navigation links: Home, Upload video (highlighted), Pages, History, Liked videos, and a SUBSCRIPTIONS section with a user named Kinetik001. The main content area has a dark background. At the top, there's a search bar and an 'Upload Video' button. Below this, a video thumbnail placeholder is shown with the title 'Contrary to popular belief, Lorem Ipsum (2020) is not.' and a progress bar indicating 102.6 MB, 2:13 MIN Remaining. A message states: 'Your Video is still uploading, please keep this page open until it's done.' Below the thumbnail, there are input fields for 'Video Title' (containing the same text) and 'About'. A section titled 'Category (you can select upto 3 categories)' contains a grid of 15 category checkboxes: Music, Education, Autos & Vehicles, Business & Finance, Entertainment, How-to & Style, Beauty & Fashion, Art & Culture, Gaming, Science & Technology, Food & Drink, Health & Fitness, Sports, Film & Animation, News, Pets & Animals, Kids, Comedy, Travel & Events, and Lifestyle. At the bottom, there's an 'Upload video' section with a 'Choose File' button (showing 'No file chosen') and a red 'Submit' button. A footer note mentions variations of Lorem Ipsum and links to Terms of Service and Community Guidelines.

vidoe

Search for...

Upload Video

Home

Upload video

Pages

History

Liked videos

SUBSCRIPTIONS

Kinetik001

Contrary to popular belief, Lorem Ipsum (2020) is not.

102.6 MB, 2:13 MIN Remaining

Your Video is still uploading, please keep this page open until it's done.

Video Title

Contrary to popular belief, Lorem Ipsum (2020) is not.

About

Category (you can select upto 3 categories)

☐ Music ☐ Entertainment ☐ Gaming ☐ Sports ☐ News ☐ Comedy

☐ Education ☐ How-to & Style ☐ Science & Technology ☐ Film & Animation ☐ Pets & Animals ☐ Travel & Events

☐ Autos & Vehicles ☐ Beauty & Fashion ☐ Food & Drink ☐ Health & Fitness ☐ Kids ☐ Lifestyle

☐ Business & Finance ☐ Art & Culture

Upload video

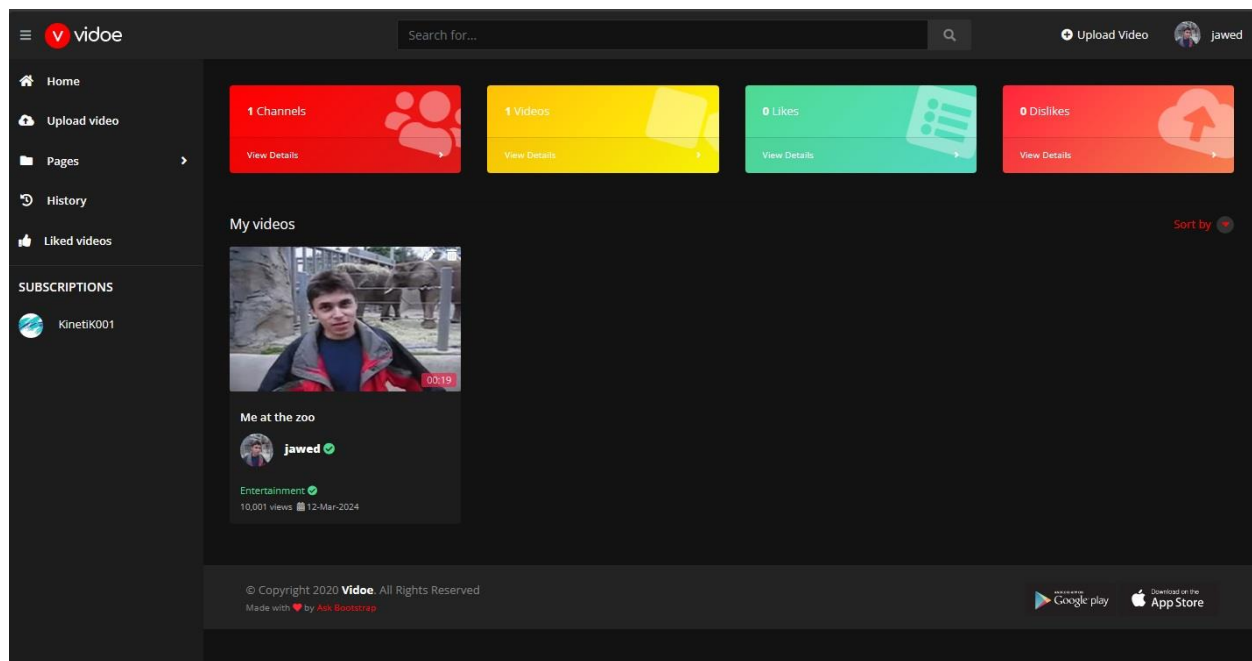
Choose File No file chosen

Submit

There are many variations of passages of Lorem Ipsum available, but the majority [Terms of Service](#) and [Community Guidelines](#).
Ipsum is therefore always free from repetition, injected humour, or non

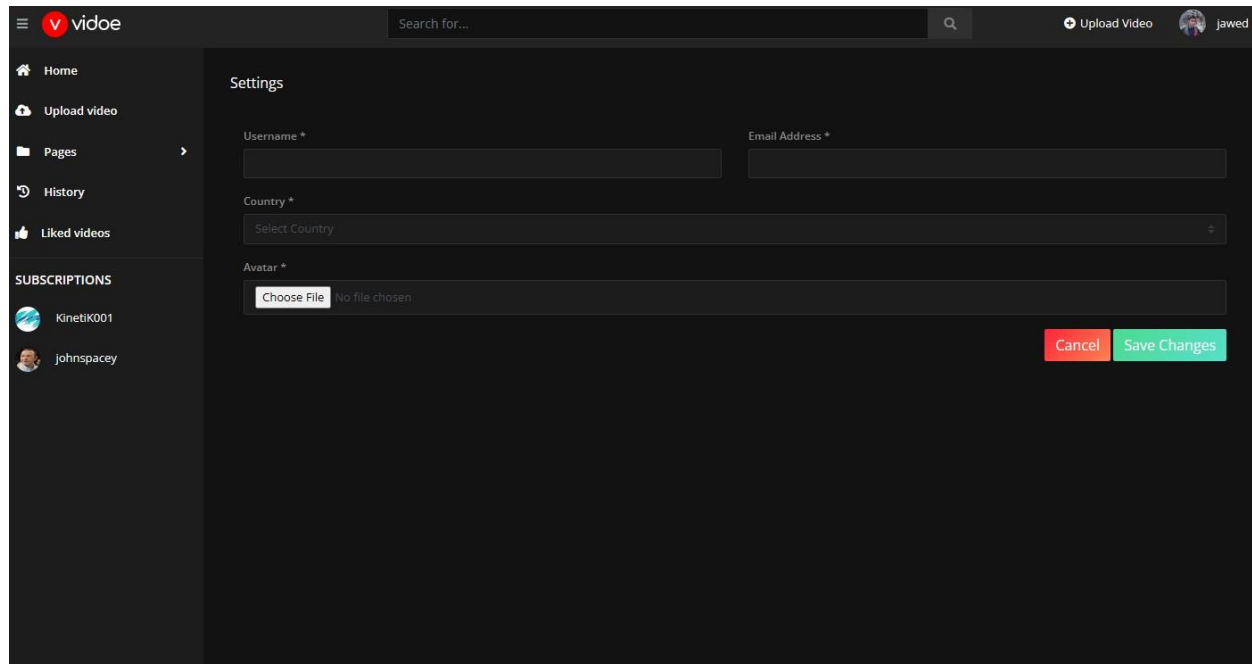
Form for uploading a video. The data is validated on the backend and errors or success messages are printed to the user if that is the case. When inserting a video in the database, an image is generated from the video that will serve as a thumbnail.

/dashboard/{id}



Dashboard page. On this page user can view his vides as well as additional statistics.

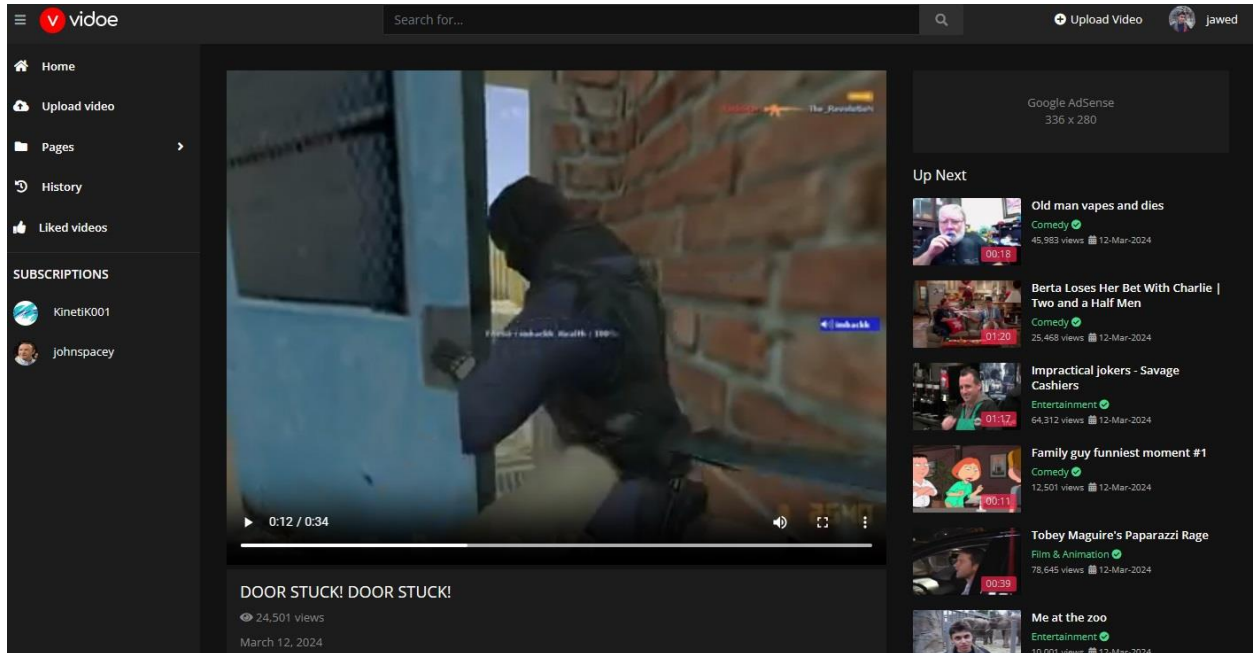
/dashboard/{id}/edit



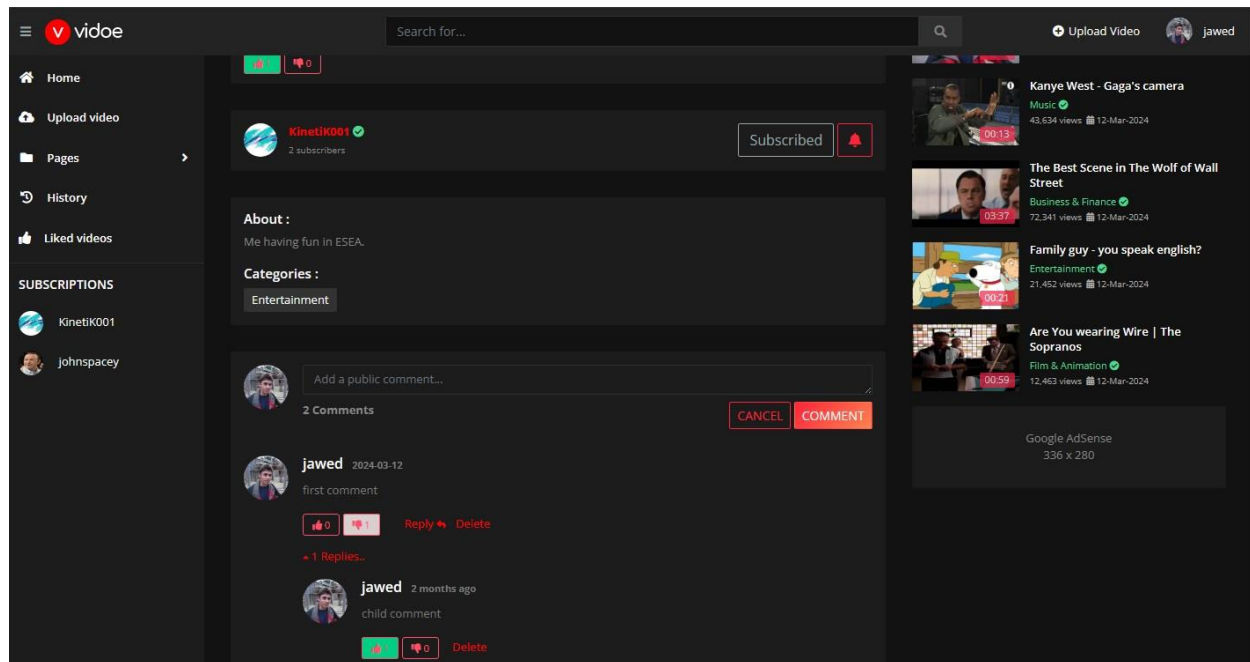
The screenshot shows a web application interface for editing a user profile. The top navigation bar includes a menu icon, the 'vidoe' logo, a search bar, an 'Upload Video' button, and a user profile icon labeled 'jawed'. The left sidebar contains navigation links: 'Home', 'Upload video', 'Pages', 'History', 'Liked videos', and a 'SUBSCRIPTIONS' section with two entries: 'Kinetik001' and 'johnspacey'. The main content area is titled 'Settings' and contains three form fields: 'Username *', 'Email Address *', and 'Country *'. The 'Country *' field is a dropdown menu currently showing 'Select Country'. Below these fields is an 'Avatar *' section with a 'Choose File' button and the text 'No file chosen'. At the bottom right of the form are two buttons: 'Cancel' (red) and 'Save Changes' (green).

Profile edit form. The data is validated on backend an corresponding messages are printed.

/videos/{video}

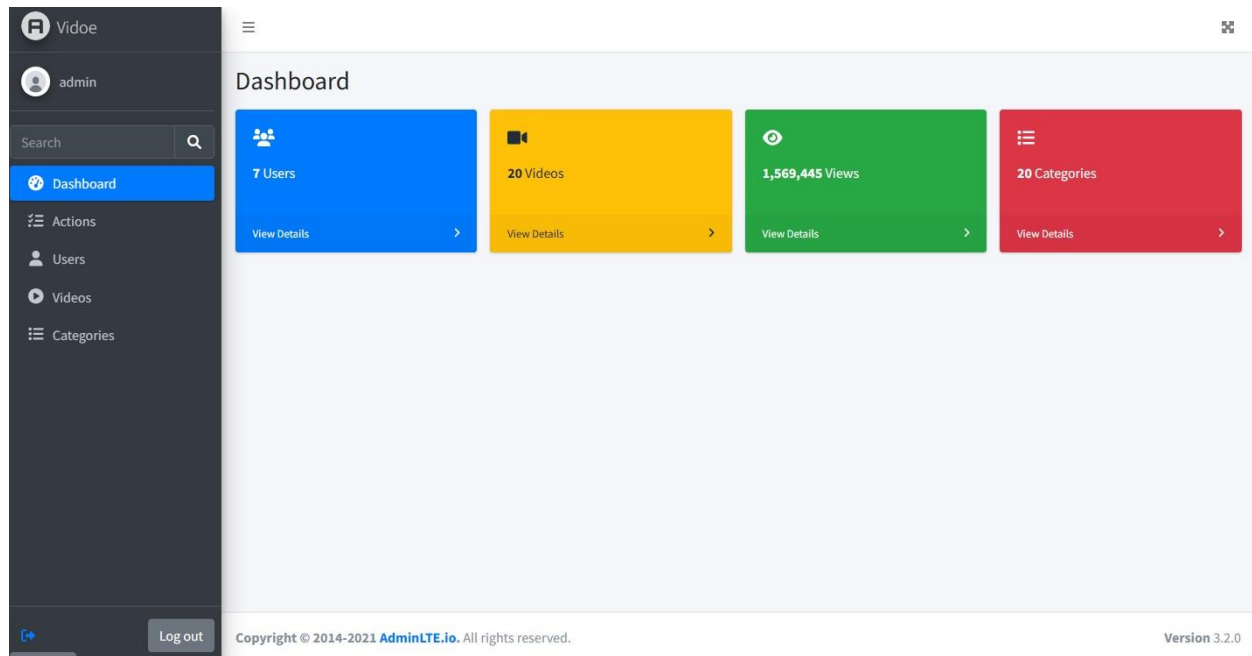


Initial video display. Videos on the side are dynamically printed from the database.



A user can subscribe to another user's channel, leave a comment, sub-comment or react to a video or comment. Comments are written dynamically with AJAX. Number of comments as well as the number of subscribers (on all pages) are also written with AJAX. When subscribing, the user whose channel is being subscribed is added to the sidebar menu (also AJAX).

/dashboard



Admin panel. The home page displays statistical data such as number of users, the number of videos, total number of views on the platform as well as the number of categories.

/dashboard/actions

Vidoe

admin

Search

Dashboard

Actions

Users

Videos

Categories

Log out

Actions

From dd----yyyy To dd----yyyy Filter

Search:

#	IP	Path	Method	User	Action	Created At
1	127.0.0.1	videos.show	GET	N/A	User viewed video (ID:1)	2024-03-12 15:23:12
2	127.0.0.1	videos.show	GET	N/A	User viewed video (ID:2)	2024-03-12 15:41:14
3	127.0.0.1	videos.show	GET	N/A	User viewed video (ID:2)	2024-03-12 15:41:17
4	127.0.0.1	videos.show	GET	N/A	User viewed video (ID:4)	2024-03-12 15:43:44
5	127.0.0.1	videos.show	GET	jawed	User viewed video (ID:1)	2024-03-12 16:08:36
6	127.0.0.1	videos.show	GET	jawed	User viewed video (ID:3)	2024-03-12 16:08:41
7	127.0.0.1	videoReaction	POST	jawed	User liked video (ID:3)	2024-03-12 16:08:43
8	127.0.0.1	insertsub	POST	jawed	User subscribed to user (ID:3)	2024-03-12 16:10:57
9	127.0.0.1	videos.show	GET	jawed	User viewed video (ID:2)	2024-03-12 16:11:43
10	127.0.0.1	videoReaction	POST	jawed	User liked video (ID:2)	2024-03-12 16:11:51

Showing 1 to 10 of 15 entries

Previous 1 2 Next

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This page shows key user activities. It is possible to search for activities based on date and search by using the search field. If the user has deleted his account, the user field will say 'Account deleted'.

/dashboard/users

The screenshot displays the 'Users' management interface. The sidebar on the left includes a 'Vidoe' logo, a user profile for 'admin', a search bar, and navigation links for 'Dashboard', 'Actions', 'Users' (highlighted), 'Videos', and 'Categories'. The main content area is titled 'Users' and features an 'Add new user' button. Below this is a table with 7 entries. The table columns are: #, Username, Email, Role, Created At, Updated At, Edit, and Delete. The data rows show users with various usernames and email addresses, all created on 2024-03-12 15:16:09. The 'Edit' column contains a pencil icon, and the 'Delete' column contains a trash can icon. At the bottom of the table, it says 'Showing 1 to 7 of 7 entries' and includes 'Previous', '1', and 'Next' pagination links. The footer contains a 'Log out' button, copyright information 'Copyright © 2014-2021 AdminLTE.io. All rights reserved.', and the version 'Version 3.2.0'.

#	Username	Email	Role	Created At	Updated At	Edit	Delete
1	jawed	jawed@gmail.com	user	2024-03-12 15:16:09	2024-03-12 15:16:09		
2	KinetiK001	kinetiK001@gmail.com	user	2024-03-12 15:16:09	2024-03-12 15:16:09		
3	johnspacey	johnsp@gmail.com	user	2024-03-12 15:16:09	2024-03-12 15:16:09		
4	michaelrohn	michaelr@gmail.com	user	2024-03-12 15:16:09	2024-03-12 15:16:09		
5	emasth	emasmth@gmail.com	admin	2024-03-12 15:16:09	2024-03-12 15:16:09		
6	liamrodri	liamrodri@gmail.com	admin	2024-03-12 15:16:09	2024-03-12 15:16:09		
7	admin	svetozar.zivkovic.283.19@ict.edu.rs	admin	2024-03-12 15:16:09	2024-03-12 15:16:09		

This page displays user data. Admin can also add a new user, change the data of an existing user or delete a user.

/dashboard/videos

Vidoe

admin

Search

Dashboard

Actions

Users







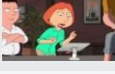








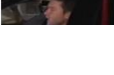


Videos

Categories

Logout

Videos

Search:

ID	Title	Description	Image	Duration	Views	Created At	Updated At	Edit	Delete
1	Me at the zoo	My first video.		00:19	10,001	2024-03-12 15:16:09	2024-03-12 15:23:12		
2	DOOR STUCK! DOOR STUCK!	Me having fun in ESEA.		00:34	24,501	2024-03-12 15:16:09	2024-03-12 16:11:51		
3	Family guy funniest moment #1	Very funny family guy video.		00:11	12,501	2024-03-12 15:16:09	2024-03-12 16:08:43		
4	Old man vapes and dies	Old man trying vape for the first time.		00:18	45,983	2024-03-12 15:16:09	2024-03-12 15:43:44		
5	The Schwarzeneggers of the Ring Part 2	Featuring the iconic "one does not simply..." scene and a hilarious ending I'm very proud of.		01:11	98,123	2024-03-12 15:16:09	2024-03-12 15:16:09		
6	Tobey Maguire's Paparazzi Rage	Tobey Maguire's Paparazzi Rage But With Spiderman 3 Music.		00:39	78,645	2024-03-12 15:16:09	2024-03-12 15:16:09		

On this page the data about the videos is being written to the admin. It is possible to modify the video data or delete a video.

/dashoard/categories

Vidoe

admin

Search

Dashboard

Actions

Users

Videos

Categories

Log out

Video categories

Add new category

Search:

#	Name	Number of videos	Created At	Updated At	Edit	Delete
1	Music	1	2024-03-12 15:16:08	2024-03-12 15:16:08	Edit	Delete
2	Entertainment	5	2024-03-12 15:16:08	2024-03-12 15:16:08	Edit	Delete
3	Gaming	1	2024-03-12 15:16:08	2024-03-12 15:16:08	Edit	Delete
4	Sports	1	2024-03-12 15:16:08	2024-03-12 15:16:08	Edit	Delete
5	News	1	2024-03-12 15:16:08	2024-03-12 15:16:08	Edit	Delete
6	Comedy	5	2024-03-12 15:16:08	2024-03-12 15:16:08	Edit	Delete
7	Education	1	2024-03-12 15:16:08	2024-03-12 15:16:08	Edit	Delete
8	How-to & Style	0	2024-03-12 15:16:08	2024-03-12 15:16:08	Edit	Delete
9	Science & Technology	0	2024-03-12 15:16:08	2024-03-12 15:16:08	Edit	Delete
10	Film & Animation	4	2024-03-12 15:16:08	2024-03-12 15:16:08	Edit	Delete

Showing 1 to 10 of 20 entries

Previous12Next

This page contains information about the categories. Categories can be changed or deleted. It is also possible to add a new category.