

SENG2021 Delivarabe-1

Group 1

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Problem Statements

- There is no large navigable and easily searchable collection of Twitch Clips.
- Twitch Clips do not have a rating system.
- There is no simple way to download and save Twitch Clips.
- There is no way to access Twitch Clips without a direct link to them or the streamer's profile. In other words, there is no way to browse Twitch Clips among the entirety of Twitch.
- There is currently no specialised homepage with current Twitch clip compilation channels and videos. This will make browsing and searching for these Clips easier.
- There is no way to search for Twitch clips based on categories and the tops clips for each category.

Design

Static Menu Bar on Every Page (it will stay in same position even if you scroll down)

- Search bar on top, searches for game, game category, tags, twitch streamer, uploader
- Top right corner login/my account if logged in ->account page
- Upload clip button
- Side bar that contains navigation menus and categories
- Home button, returns user to home page

Home Page

- Featured clips/recommended clips/popular clips

Categories

- Sort by twitch game category
- Sort by popular tags,
- Sort by Twitch Streamer
- Sort by uploader (Search by channel)
- What types of compilation it is, e.g. Do you want funny videos, or show-off videos of high-skill gameplay?
- Accessed from a sidebar

Clip Page

- Clip
- Download clip button (saves it as a .webm/.mp4)
- Add to playlist (multiple playlists)
- Clip information (views/date of upload/likes and dislikes/number of comments, License, Category, which Game, Description)
- Description including Streamer, Original uploader, Game
- Thumbs up and Thumbs down Rating System (users can click to give a review of clip)
- Comment Section (same as twitch chat) beside the clip
- Related videos below the clip
- Share button
- Optional Autoplay (First related video - But this means we can't have a loop of videos)

Search Result Page

- List of clips sorted default by popularity, allow user to change search function so maybe sort by recent upload time, or duration of clips.
- Number of results found.

Upload Page

- Enter Twitch Link to upload a clip
- Upload to site button
- Title, Description, Game, Streamer and Tags
- Thumbnail (default is thumbnail of clip)
- Progress bar if we download the clip

Channel Page

- List of Uploads (Sorted on Popularity/Time Added/Rating)
- Total view count on uploaded clips

Clip History Page

- A list of all previously viewed clips in chronological order
- Clip history count (how many videos viewed)

Liked Clips page

- A list of all previously liked clips in chronological order
- A liked clips amount

Upload Button

- Redirects user to upload page

Channel Button

- Redirects user to their channel

Like and Dislike Button

- Like button will increment the like count by 1, removes the like when pressed again
- Dislike button will increment the dislike count by 1, removes the dislike when pressed again

Share Button

- Share button will let you share the video on social media

Download Button

- Will download the clip to your computer in an mp4/wmv/webm format (handled by download manager in browser)

Add to Playlist Button

- This will allow the user to add the current clip to any of their playlist
- Or create a new playlist and add the current clip to it

Side Bar

- When hamburger menu is clicked, it will open up the sidebar with a list of all categories

Search Bar

- Allows users to search for clips by tags, and will perform a server request to get the most relevant clips from the tags, and display them in a list or grid, sorted by relevance, popularity, or sort preference (duration of clip/recently uploaded etc.)

Home Button

- Returns user to home page

Comment section

- Place to type your own comment, possibly formatted and with links
- View other people's comments on the video, and react to them with like/dislike/reply

Upload to site button

- This will upload the request to the site (successfully uploads user's clip to our website)

Autoplay Button

- Switch that lets you toggle autoplay on or off

User Stories

Interested parties of use cases (functional categories):

- Viewer/normal user
- Uploader

Requirement

Users require a medium to navigate through twitch clips

Feature: Search bar to search for queries

As a: Clip Viewer

So that I can: Look for specific clips based on tags

I want to: A search bar where I can search for search queries such as "Dota 2" and be shown popular and trending Twitch Clips

GIVEN: I am on any page of the website

WHEN: I click the search bar

THEN: I enter my search queries such as "Dota 2"

AND: I click the search button or press enter

THEN: After 2-3 seconds, I am redirected to a page which contains a grid view or list of the most relevant results based on how relevant it is to the query.

Feature: Home page menu which shows relevant clips

As a: Clip Viewer

So that I can: Look for interesting and fun clips

I want to: have a home page menu which shows me relevant clips based off my view history

GIVEN: I am on any page of the website

WHEN: I click the home button

THEN: I am redirected to the home page menu

WHEN: i click on a specific clip on the home page

THEN: i am redirected to the clip page

Feature: viewing a clip

As a: Clip Viewer

So that I can: view a clip

I want to: Be shown a page with a video player that will play the Twitch Clip

GIVEN: I am on the home page, or the clip page with recommended videos

WHEN: I click on a clip I am interested in

THEN: I am redirected to a page with a video player that will play the twitch clip

Feature: Sidebar

As a: Clip Viewer

So that I can: view different clip categories

I want to: Be shown a sidebar that contains different clip categories

GIVEN: I am on any page of the website

WHEN: I click on the menu button

THEN: a side-bar pops up with multiple categories

WHEN: I click on a category

THEN: i am redirected to a page which contains all relevant clips of that category

Requirement:

Users require a method to upload twitch clips onto a website that will allow the clip to be described, tagged, categorised and easily accessed by other users.

Feature: upload button, to upload a clip link

As a: Clip Uploader

So that I can: share clips onto the website

I want to: upload the link to my twitch clip onto the website

GIVEN: I am on any page of the website

WHEN: I click on the upload button

THEN: I am redirected to the upload page

WHEN: I click on the upload link box

THEN: I enter the link for my twitch clip onto the upload link box

AND: I press the upload clip button.

THEN: A progress bar will appear showing upload percentage

Requirement:

Twitch clips requires a method of rating to give feedback on the clip.

Feature: Like Button

As a: Clip viewer

So that I can: rate the clip showing that i enjoyed it

I want to: be able to leave quick feedback on the video

GIVEN: I am viewing any clip on the website

WHEN: I click on the like button

THEN: the amount of likes on the video is incremented by 1 (or removed if it exists) instantly

AND: the video is added to the liked videos playlist (or removed if it exists) instantly

Feature: Dislike Button

As a: Clip viewer

So that I can: rate the clip showing that i didn't enjoy it

I want to: be able to leave quick feedback on the video

GIVEN: I am viewing any clip on the website

WHEN: I click on the dislike button

THEN: the amount of dislikes on the video is incremented by 1 (or removed if it exists) instantly

Feature: Comment section

As a: Clip viewer

So that I can: let the clip submitter know more specific feedback on the video

I want to: be able to leave comments on the video

GIVEN: I am viewing any clip on the website

WHEN: I click on the comment box

THEN: i am able to give a comment describing thoughts/feedback on the clip

WHEN: I click on post

THEN: the comment will be posted onto the clip

Feature: Share Button

As a: clip viewer

So that I can: share a video with people you know

I want to: Share a link to the video on my social media chosen

GIVEN: I am on a video page

WHEN: I click on the share button of a video

THEN: I select which social media platform(s) to use to share the video

AND: the video is then shared onto the platform(s) of choices

Requirement:

Users require a simplistic method to download twitch clips of interest.

Feature: Download Button

As a: clip viewer

So that I can: edit or have the twitch clip saved onto my device

I want to: Download the clip from the site

GIVEN: I am viewing any clip on the website

WHEN: I click on the download button of a video

THEN: The clip will immediately start downloading by my browsers download manager

Requirement:

Users require a method of maintaining the history of their website activity and being able to keep playlists of clips they enjoyed watching.

Feature: History Page

As a: clip viewer

So that I can: see my viewing history

I want to: be given a page that contains all watched clips

GIVEN: I have the sidebar open

WHEN: I click on the "Clip History" button

THEN: I am immediately redirected to my viewing history page containing a list or grid of watched clips in chronological order

Feature: Liked Videos Page

As a: clip viewer

So that I can: see my liked clips history

I want to: be given a page that contains all my liked clips

GIVEN: I have the sidebar open

WHEN: I click on the "Liked Clips History" button

THEN: I am immediately redirected to my liked clips page containing a list or grid of clips i have liked in chronological order

Feature: add to playlist button

As a: clip viewer

So that I can: create playlist of similar clips (no restriction to user)

I want to: be able to add clips to a certain playlist (or create if doesn't exist)

GIVEN: I am viewing any clip on the website

WHEN: I click on the "add to playlist" button

THEN: A popup box which contains all my playlist and a "Create new" option

WHEN: i click on the playlist desired or i enter settings and name for new playlist

THEN: i can click the "add" button

AND: the video will be added to the playlist chosen

Feature: Playlists Page

As a: clip viewer

So that I can: view playlist of similar clips (no restriction to user)

I want to: be given a page that contains a list of clips that contains this playlist

GIVEN: I have the sidebar open

WHEN: I click on the "Playlist" button

THEN: I am immediately redirected to a page containing all my playlists

WHEN: i click on the playlist desired

THEN: i can view my playlist in a grid or list form