

Use Cases and Logical Architecture

Video Sharing Platform with Screen Recorder

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Use Cases:

Use Case 1:

Title: Screen Snippet Software

Primary Actor: User

Goal: To quickly capture the last X duration of the screen recording.

Story: The user starts the software. A GUI pops up with options to start recording when selected this kicks off the recording using Open Broadcaster Software. When the user wants to clip the duration specified in the configuration the software trims the last X duration and then stores it locally for the user and in the cloud.

Use Case 2:

Title: Web Application - Liking of Clips Posted

Primary Actor: User

Goal: To let the user like other people's content shared.

Story: The user can like the clip posted by others using the snippet software. The user doesn't have to like a content and can leave it unselected. The user can only like once per content posted (Unique).

Use Case 3:

Title: Web Application - Commenting

Primary Actor: User

Goal: To let the user comment on clips posted using the software.

Story: The user can comment on content, The user can comment anything on the content such as feedback, questions, etc...

Use Case 4:

Title: Web Application - Analytics

Primary Actor: User

Goal: To let the user see how well their channel is performing.

Story: The user can see how well their channel is performing by looking at graphs and trends of their channel. This can range from views from the last X days. As well as export some critical information to a CSV file.

Use Case 5:

Title: Web Application - Following / Unfollowing

Primary Actor: User

Goal: To let the user follow or unfollow other creators.

Story: The user can follow a creator if they like the content that creator posted. This is an incentive for the creators to boost their social followings to get big within the platform. The user cannot unfollow if they aren't following the user, and the user cannot follow twice or follow themselves.

Use Case 6:

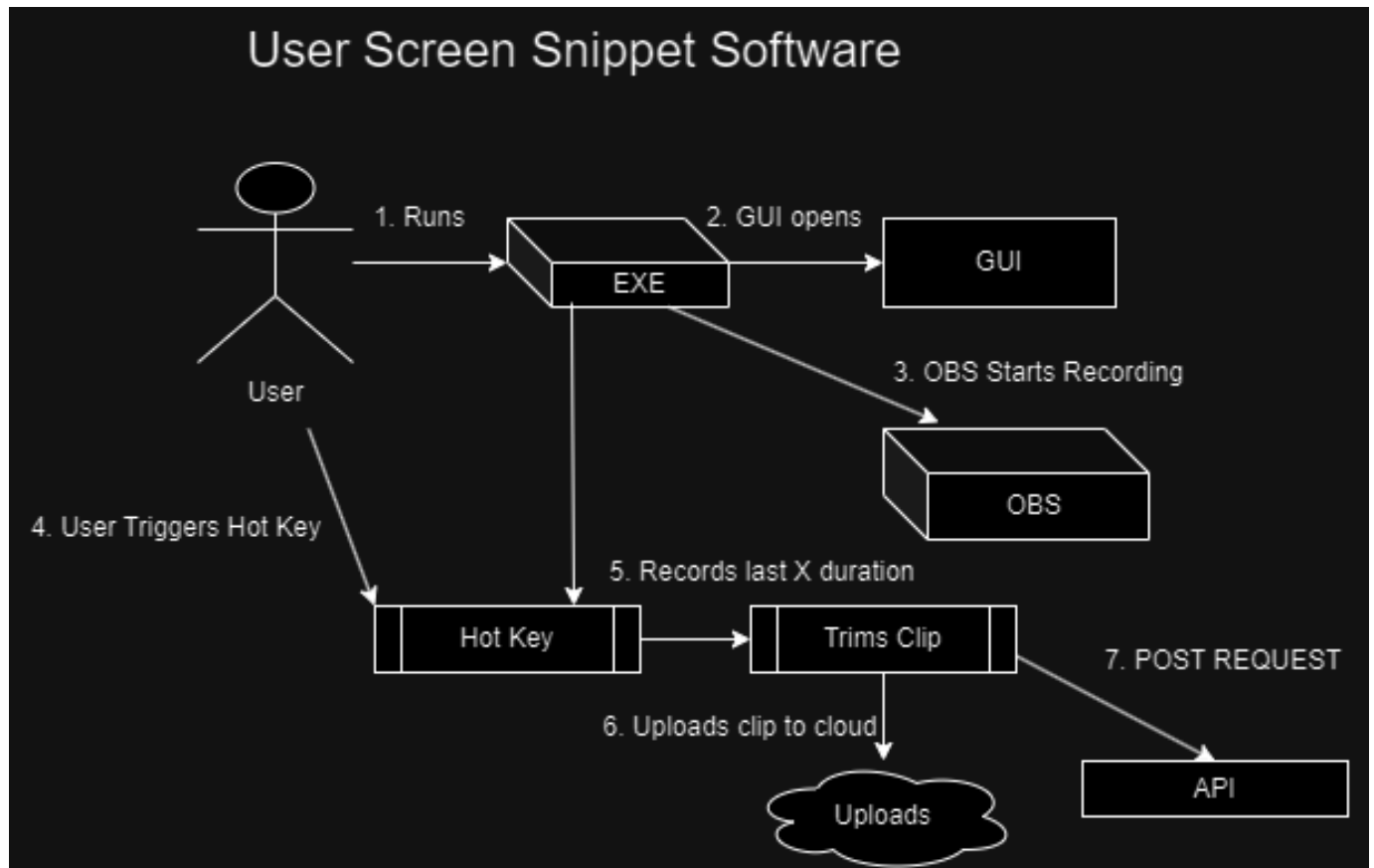
Title: Web Application - Delete Features

Primary Actor: Admin

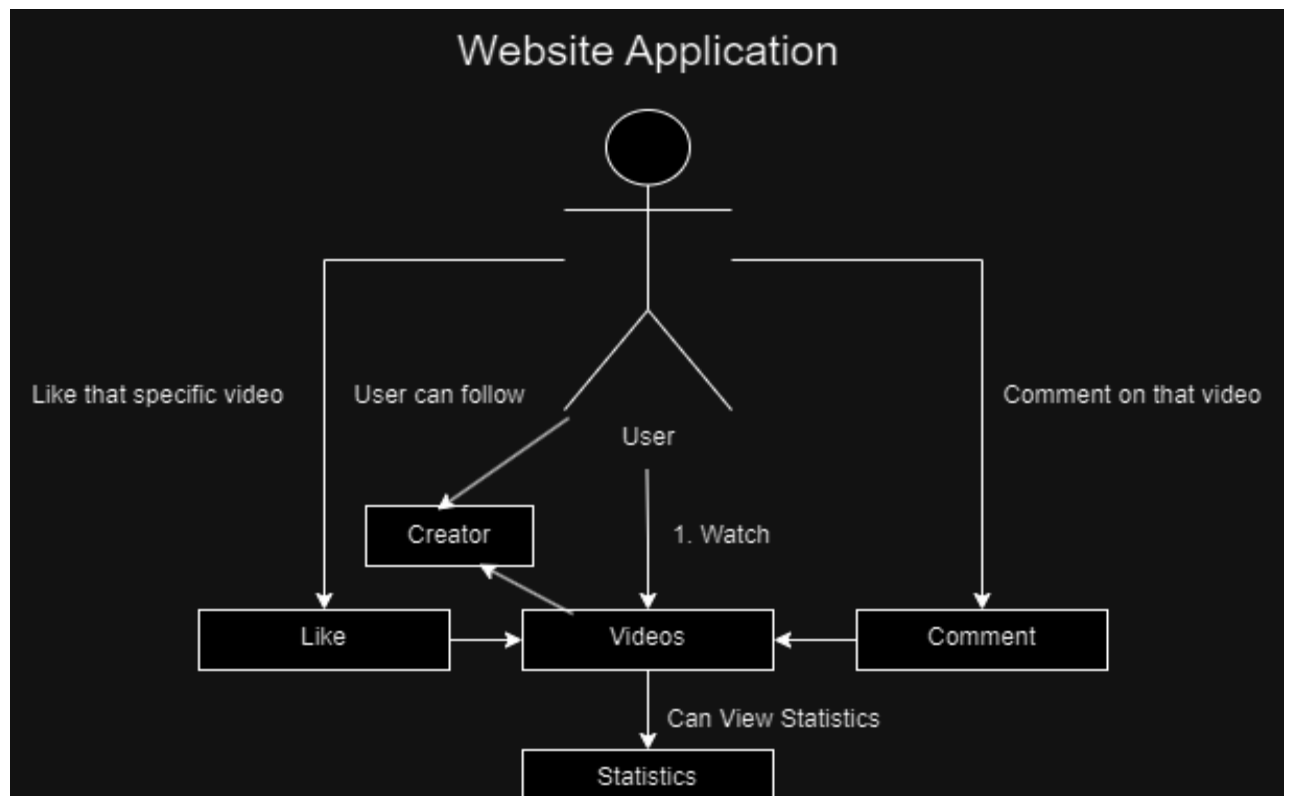
Goal: To let the admin delete videos and profiles.

Story: The admin can remove videos from the platform due to content violation or inappropriate content posted and terminate profiles due to violations.

Logical Architecture:



1. User runs the executable.
2. This exe will then open the GUI. The GUI contains user configurations such as specifying the X duration to trim and hot-key key binding.
3. Open Broadcaster Software will start recording.
4. User can trigger the software anytime by triggering the hot key.
5. The EXE will then trim the last X duration specified.
6. With the trimmed clip it will then upload to the cloud.
7. Lastly a POST request will be made to the API which uploads the clip to the website application.



1. User watches a video from a creator.
2. User can like and comment on that video.
3. User can follow the creator if they want to.
4. User / Creator can see statistics of videos.