



Guided Scenes

User media-consuming options

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Version : 0.1



Introduction

This Idea is about creating a standard for classification of content sections (scenes notation), which allow taking actions towards content parts while consuming media.

This will allow the users to consume media based on his/her preferences.



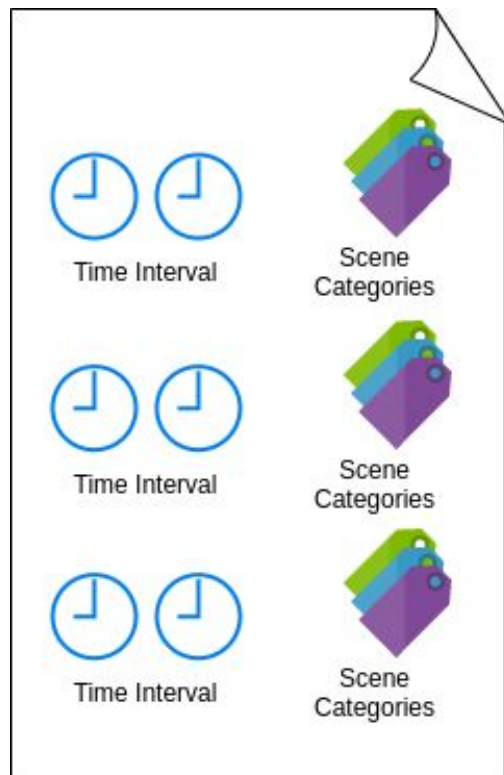
Overview

The descriptive file which notate parts of the media content with details like classified (predefined) categories like (Violance, Gore, Nudity, Sex, ...etc) also the tense of the scene like (Extreme, Middle or light)

Descriptive file can be release along with content from content provider.

Descriptive files can also be provided by 3rd party services, and applied by user to customize his/her experience from client side (frontend).

Sample



Descriptive File Diagram simplest Implementation

File is a list of

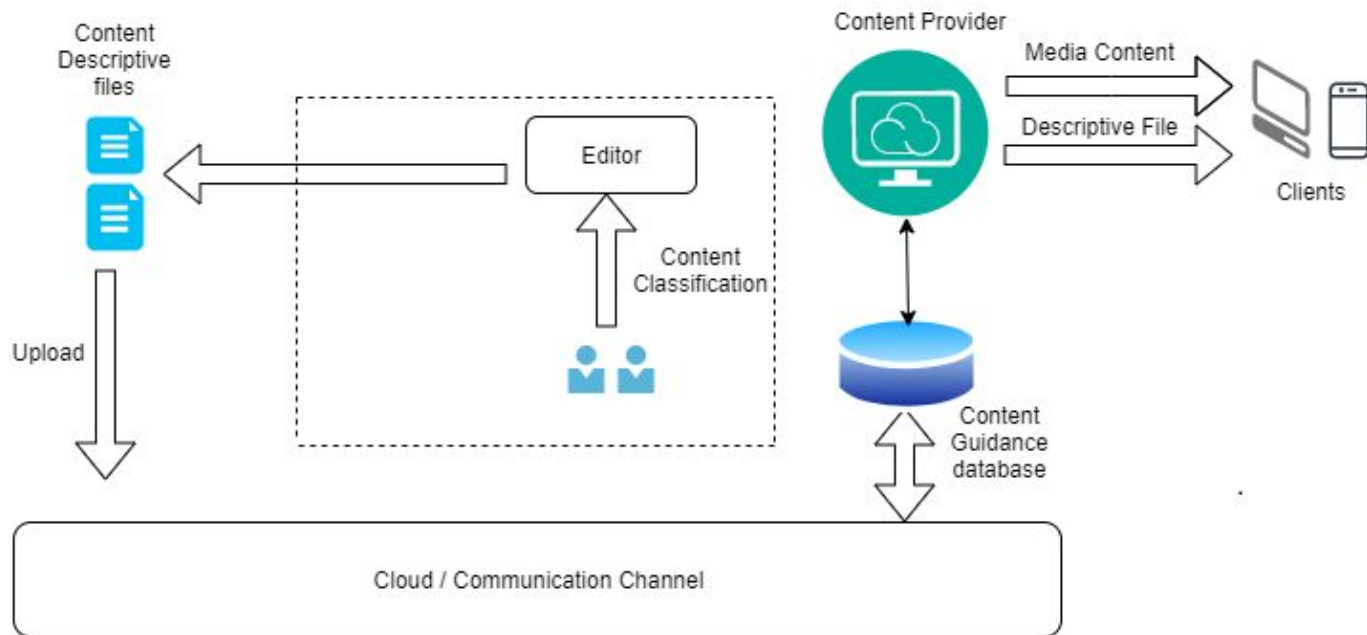
- Notated Scenes Intervals
Like: 00:02:00 --> 00:03:20
- Notated Scenes Categories
Like : Violence, Sex, etc..



Modules / Implementation

- Building the descriptive file standard, and choose proper format to represent it such as (JSON, PLAINTEXT, XML)
- Building Descriptive file editor, which can be used to generate descriptive files.
- Integration with media players, and configure actions based on descriptive files informations

Architecture



Use Case

Joker is R rated movie with extreme violence/profanity scenes, with this feature user can control it with his/her preferences

Profanity



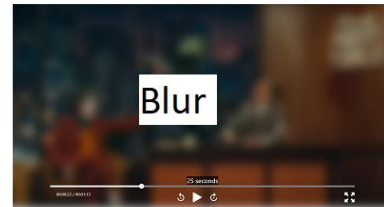
Violence



Muted



Blur





Advantages

- Actions on scenes (like Blur) will be applied based on user preferences, which will improve his experience, and he/she will feel more comfortable while consuming media.
- Content Creators/providers can provide single(full) version of the content and a descriptive file, then the user will customize his/her experience in a way fits his/her preferences.
- Descriptive files can be used online/offline content. (same as subtitle)



Future Ideas

- AI scene classification.
Using AI system to auto classify scenes, training data could be descriptive files along with related media content.
- Using Subtitle to enhance or detect scenes classifications (by detecting subtitle context, for example profanity words)
- Descriptive files can have geometric coordinates, where actions could be applied only on these coordinates, instead of all the screen.
- Patent granted.



Samples and Demo

- Live Demo can be accessed on <https://scenescontrol.netlify.app/#>
- Demo contains
 - Custom user actions
 - Descriptive files editor tool
 - Save / Load Descriptive files
 - Apply Descriptive files on content