Youtube API: Trending and Search Endpoints

Example of one full object of JSON Data:

{

"type": "video",

"videoId": "hgYhws0AHcg",

"title": "Juice WRLD - Empty Out Your Pockets (Official Fortnite Music Video)",

"channelTitle": "Juice WRLD",

"channelId": "UC0BletW9phE4xHFM44q4qKA",

"channelThumbnail": [

{

"url": "https://yt3.ggpht.com/ytc/AIdro\_l1LForuAd1SVZap2ERoCtkMXxgCMdoajvpyexEcpumcXg=s88-c-k-c0x00ffffff-no-rj",

"width": 68,

"height": 68

}

],

"description": "Juice WRLD’s “The Party Never Ends” is out now! https://juicewrld.lnk.to/ThePartyNeverEnds\n \nSubscribe to the official Juice WRLD channel for new music, updates and behind the scenes...",

"viewCount": "2330714",

"publishedTimeText": "18 hours ago",

"publishDate": "2024-11-30",

"publishedAt": "2024-11-30T00:00:00Z",

"lengthText": "2:21",

"thumbnail": [

{

"url": "https://i.ytimg.com/vi/hgYhws0AHcg/hqdefault.jpg?sqp=-oaymwEbCNIBEHZIVfKriqkDDggBFQAAiEIYAXABwAEG&rs=AOn4CLA2Kg9qGkOgyywj1-DZrtK05mRMQQ",

"width": 210,

"height": 118

},

{

"url": "https://i.ytimg.com/vi/hgYhws0AHcg/hqdefault.jpg?sqp=-oaymwEcCPYBEIoBSFXyq4qpAw4IARUAAIhCGAFwAcABBg==&rs=AOn4CLDmoZhJ--fDRDrUZNPqXQZ43lz\_Tw",

"width": 246,

"height": 138

},

{

"url": "https://i.ytimg.com/vi/hgYhws0AHcg/hqdefault.jpg?sqp=-oaymwEcCNACELwBSFXyq4qpAw4IARUAAIhCGAFwAcABBg==&rs=AOn4CLD5sdzeHWSSGwq82m4PiSDG-HKPkg",

"width": 336,

"height": 188

}

],

"richThumbnail": null

}

Data to be used on page:

* Thumbnail[2] (Highest res thumbnail)
* Title
* Channel Name
* View Count
* Description

These are the important pieces of data to display to the user.

Second Endpoint is search, which will display the same information, only this time the data that will be grabbed from the API will depend on the search query entered by the user.

The data grabbed from the API will vary every day or so due to changes in trending videos at the time.

Rough diagram of page (Subject to change)

A white board with a play button and a play button

Description automatically generated with medium confidence

Github link: <https://github.com/ChrisLavin04/ClientSideScriptingAssignment/tree/main/Project>