API SocialZap

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# Javascript

## checktime.js

Contains (a) function(s) used to wait for element loading.

### checkTime(callback : function, times : int)

Requires:

callback : function Function that is executed when checkTime completes

times : int Number of times checkTime is executed. Default when using: 0

Returns:

void Executes the given callback function

Used to check whether the video is loaded by checking its duration parameter. If this is NaN, checkTime is recursively ran until a limit is reached.

## bootstrap.js

JavaScript file containing Twitter Bootstrap information. See <http://twitter.github.io/bootstrap/>.

## geturlvars.js

Contains (a) function(s) to gather information from the URL.

### getUrlVars()

Requires:

void Dynamically grabs the URL

Returns:

vars : Array Array containing the variables from URL

## skiptime.js

Contains the function to skip time based on URL information

**Runs:**

### checkTime(callback : function, times : int)

Uses:

callback : function Executes getSkipTime() after video is loaded

times : int 0

**Implements:**

### getSkipTime()

Requires:

Void

Returns:

Void Skips the video to time gathered from URL

Function that skip the video to time gathered from URL using getUrlVars().

## social.js

Implements functions associated with social services (Twitter/Facebook)

**Runs:**

### checkTime(callback : function, times : int)

Uses:

Callback : function Executes getSkipTime() after video is loaded

times : int 0

**Implements:**

### createTwit()

Requires:

void

Returns:

void

Creates Twitter button with custom text. See <https://dev.twitter.com/docs/api/1.1> for more information. Uses getScript().

### getScript()

Requires:

Void

Returns:

Void

Loads the twitter script straight from the website. See <https://dev.twitter.com/docs/api/1.1> for more information.

## tagdata.js

Contains functions associated with tags and ZapPoints.

**Runs:**

### checkTime(callback : function, times : int)

Uses:

callback : function Executes getZapData(dur : int).

times : int 0

**Implements:**

### goToTime(loc : int)

Requires:

loc : int Location in pixels

Returns:

void

Sets time of video to the time indicated in pixels by loc.

### updateExtraInfo(loc : int)

Requires:

loc : int Location in pixels

Returns:

void

Update additional information using pixel offset in pixels as time indicator and placeholder instead of video frame.

### getZapData(dur : int)

Requires:

dur : int Duration of video in seconds

Returns:

Void

Posts PHP query to zappoints.php. Calls createZapCode(obj : JSON String) and createCloud(obj : JSON String) using the retrieved JSON String object.

### createCloud(data : JSON String)

Requires:

data : JSON String JSON String containing tag information

Returns:

void

Generates HTML code for tag cloud based on information in data.

### createZapCode(data : JSON String)

Requires:

Data : JSON String JSON String containing tag information

Returns:

void

Generates HTML objects and code for ZapPoints below timeline.

### calcDist(val : Time)

Requires:

val : Time String containing time information in the form: ’00:00’ or ‘0:00’

Returns:

dist : int Distance corresponding to time val, relative to timeline.

Calculates required offset corresponding to time relative to timeline.

### calcTime(dist : int)

Requires:

dist : int Distance in pixels

Returns

time : int Time in seconds

Returns the time corresponding to offset in pixels.

### convertTime(seconds : int)

Requires:

seconds : int Time in seconds

Returns:

time : Time Time in String format: “00:00” of “0:00”

Returns the time in String from corresponding to given time in seconds.

### getAssocId(obj : String)

Requires:

obj : String Tag or ZapPoint ID

Returns:

id : String Tag or ZapPoint associated with obj

Returns the tag or ZapPoint associated with the given object.

## video.js

### updatePopcornBar(newwidth : int)

Requires:

newwidth : int

Returns:

void

Sets a new width for the video progress bar.

## zappoints.php

### runQuery($duration : int)

Requires:

$duration : int Integer representing video duration

Returns:

$rows : JSON String

Returns a JSON String containing tag information.

### transDurSec($d : int)

Requires:

$d : int Time in seconds

Returns :

sec : int

Returns the remaining seconds not part of minutes

### transDurMin($d : int)

Requires:

$d : int Time in seconds

Returns:

min : int

Returns whole minutes from $d