**Task 1**

The value of the attribute *data-video-id* in the *video* tag was replaced by its reference ID value:  
data-video-id="5214098325001" => data-video-id="ref:skillassessment"

and an id attribute has been added to the video tag with the value *MyPlayer*:  
<video id="MyPlayer"

An onclick event has been added to each button in order to execute a JavaScript function when a button is clicked:

<button id="playbtn" onclick="playVideo()">PLAY</button>

<button id="pausebtn" onclick="pauseVideo()">PAUSE</button>

<button id="mutebtn" onclick="muteVideo()">MUTE</button>

\* An extra button has been added for unmute the video:

<button id="unmutebtn" onclick="unmuteVideo()">UNMUTE</button>

Before executing the *play()*, *pause()* and *muted()* methods we have to make sure the video is loaded and ready to play. The video was previously loaded by the *ready()* method included in the task code.

We will reference the player with the variable *myPlayer* which is a reference to the video object.

At this point we can play, pause and mute the video.

function playVideo() {

myPlayer.play();

}

function pauseVideo() {

myPlayer.pause();

}

function muteVideo() {

myPlayer.muted(true);

}

function unmuteVideo() {

myPlayer.muted(false);

}

Bonus point:

In order to get the long description and thumbnail url of the video the *getVideo()* method (from the catalog library of methods) can be used.

The execution of the *getVideo()* method will produce an event called *catalog\_request* which contains all the data of our video.

myPlayer.catalog.getVideo('ref:skillassessment', function(error, video){  
/\*console.log('error',error);\*/  
});

myPlayer.on('catalog\_response',function(evt){  
 var api\_response = JSON.parse(evt.response.response);  
 console.log(api\_response.long\_description);  
 console.log(api\_response.thumbnail);  
}  
});

**Task 2**

When a video is embedded in a page it doesn’t resize with the browser window because the video player is given a fixed width and height. In this task, the intrinsic ratio CSS technique is being used to constrain a child element to a ratio set in their parent element.

First thing I did was identify the child (*.BCLvideoWrapper*) and parent *(#BCLcontainingBlock*) elements  in the html code

Following the best practices given in the link:  
<http://docs.brightcove.com/en/video-cloud/smart-player-api/samples/responsive-sizing.html>I changed the id selector *BCLcontainingBlock* into a class in all its references through the code.

.BCLcontainingBlock {...}

.BCLvideoWrapper {...}

...

...

...

<div class="BCLcontainingBlock"> (bounding container)

<div class="BCLvideoWrapper"> (parent container with an intrinsic ratio)

These div containers have to be declared around the video player. The closing div tags were in the wrong position and one them was missing.

The viewport metatag was also included for mobile devices renders.

In the JavaScript console the log error message:

htmlVideoAd.xml:1 GET http://solutions.brightcove.com/apadhye/VAST\_Ad\_URL/htmlVideoAd.xml 403 (Forbidden)

My code doesn't have permission to access the file */apadhye/VAST\_Ad\_URL/htmlVideoAd.xml* on your server.

According to the API error message reference refers to a API call without using a token:

https://support.brightcove.com/en/video-cloud/docs/media-api-error-message-reference

I assume this error is because the you haven’t enabled the player for ActionScript/JavaScript APIs in the Web Settings section for this task.

\* At this point if we comment all the jQuery script block the video won’t disappear when the browser window is resized and it will be responsive but for purposes of this task let’s continue.

In the jQuery script block there is a jQuery selector stored in the variable *$BCLbodyContent* which is calling an id selector that doesn’t exist.

var $BCLbodyContent = $('#BCLbodyContent');

For this reason, the reference to the variable *$BCLbodyContent* in the *resizePlayer* method is omitted.

Finally, the player is not disappearing anymore when the browser window is resized and it’s responsive.

FYI

There are two typos in your Responsive Sizing for Video Players article:

<http://docs.brightcove.com/en/video-cloud/smart-player-api/samples/responsive-sizing.html>

* In the *Configuring the Viewport* section

replace this:

<meta name="viewport" content="width=device-width,initial-scale=1.0>

To:

<meta name="viewport" content="width=device-width,initial-scale=1.0">

* In the line 196 of the *Calculating the aspect ratio percentage* section code.  
  <http://docs.brightcove.com/en/video-cloud/smart-player-api/samples/responsive-sizing.html>

replace this:  
logit("Video Height = ", renditionDTO.frameHeight));  
to:

logit("Video Height = ", renditionDTO.frameHeight);