

Video Player Documentation

Files: annotationPage.html

This file contains the skeleton of the application. This is where the video player is created as well as the box and button that allows the user to create labels and annotations.

Lines 13 – 23 Create the structure for the create new annotation button and box

```
13  ▾      <div id="create-new-box">
        WHERE NEW LABELS AND ANNOTATIONS ARE MADE -->
14          <button id="create-new">CREATE NEW LABEL</button>
15  ▾      <div id="new-labels">
16
17  ▾          <div id="label-home">
18
19          </div>
20
21          <div id="new-new"></div>
22      </div>
23  </div>
24
```

Lines 25 – 50 Contain structure for the video player and controls

Video player 25 - 29

```
25  ▾      <figure id="videoContainer" data-fullscreen="false">        <!-- THE VIDEO PLAYER -->
26  ▾          <div id='vid-div'>
27              <video id="video"
                src="https://ece46medsrv.ece.unm.edu/non_irb_videos/Antonia/BackCameraClips/Ea
                ting1Round1_q2.mp4" class="video">
28              </video>
29          </div>
```

Controls 30 – 50

```
31 ▼ <div id="video-controls" class="controls" data-state="hidden">
    <!-- VIDEO PLAYER CONTROLS -->
32     <button id="playpause" type="button" data-state="play">Play/Pause</button>
33     <button id="stop" type="button" data-state="stop">Stop</button>
34
35     <div id="current-time"></div> <!--
    VIDEO CURRENT TIME IS UPDATED FROM JQUERY FUNCTION AT BOTTOM OF PAGE -->
36
37 ▼     <div class="progress">|
38 ▼         <progress id="progress" value="0" min="0">
39             <span id="progress-bar"></span>
40         </progress>
41     </div>
42
43     <div id="vid-duration"></div>
44
45     <button id="mute" type="button" class="sbut" data-
    state="mute">Mute/Unmute</button>
46     <button id="volinc" type="button" class="sbut" data-state="volup">Vol+
    </button>
47     <button id="voldec" type="button" class="sbut" data-state="voldown">Vol-
    </button>
48     <button id="fs" type="button" class="sbut" data-state="go-
    fullscreen">Fullscreen</button>
49 </div>
50 </figure>
```

Lines 51 – 53

Print annotation buttons

```
51     <button id="print" style="margin-left: 150px" type="button"
    onclick="printAnnotations()">Print Annotation Data</button> <!-- PRINT ANNOTATION
    DATA-->
52     <button id="print" style="margin-left: 150px" type="button" onclick="printCSV()">Print
    Annotation Data as CSV</button>
53 ▼ <div id="myModal" class="modal">
```

Lines 63 – 70

Required scripts:

- Firebase scripts
- The app_config.js contains all the sensitive config data
- The annotationPage.js is the main javascript functionality for front end
- JQuery script

```
<!-- Firebase Database Setup -->
<script src="https://www.gstatic.com/firebasejs/5.9.4/firebase-app.js"></script> <!-- get the basic firebase API -->
<script src="https://www.gstatic.com/firebasejs/5.9.4/firebase-auth.js"></script> <!-- get the firebase authorisation API -->
<script src="https://www.gstatic.com/firebasejs/5.9.4/firebase-database.js"></script> <!-- get the firebase database API -->

<script src="app_config.js"></script> <!-- setup the specific variables required for your implementation -->
<script src="annotationPage.js"></script> <!-- get the functions required for this page -->
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script> <!-- get JQuery -->
```

Lines 71 – 93

JQuery functions to show video duration and video current time counter

```
71 ▼      <script> //GETS VIDEO DURATION AND SETS RIGHT SIDE COUNTER
72 ▼          window.setInterval(function(t){
73 ▼              if (video.readyState > 0) {
74                  var duration = $('#vid-duration').get(0);
75                  var vid_duration = video.duration;
76                  duration.firstChild.nodeValue = vid_duration;
77                  clearInterval(t);
78              }
79          },500);
80      </script>
81
82 ▼      <script> //COUNTER THAT DISPLAYS VIDEO CURRENT TIME
83          var vid = document.getElementById("video");
84 ▼      $("#progress").on("click", function(e){
85          var offset = $(this).offset();
86          var left = (e.pageX - offset.left);
87          var totalWidth = $("#progress").width();
88          var percentage = ( left / totalWidth );
89          var vidTime = vid.duration * percentage;
90          vid.currentTime = vidTime;
91          document.getElementById('current-time').innerHTML = video.currentTime;
92      }); //click()
93      </script>
```

The location affected by the above JQuery functions are the counters on either side of the video progress bar as you can see in the image below.

