Video Player Documentation

Files: myAnnotate.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 an 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

```html
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

```html
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 script2.js is the main javascript functionality for front end
- Jquery script

```html
63          <!-- Firebase Database Setup -->
64          <script src="https://www.gstatic.com/firebasejs/5.9.4/firebase-app.js"></script>
65          <script src="https://www.gstatic.com/firebasejs/5.9.4/firebase-auth.js"></script>
66          <script src="https://www.gstatic.com/firebasejs/5.9.4/firebase-database.js"></script>
67
68          <script src="script2.js"></script>
69          <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js">
            </script>
```

Lines 71 – 93

JQuery functions to show video duration and video current time counter

```html
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.