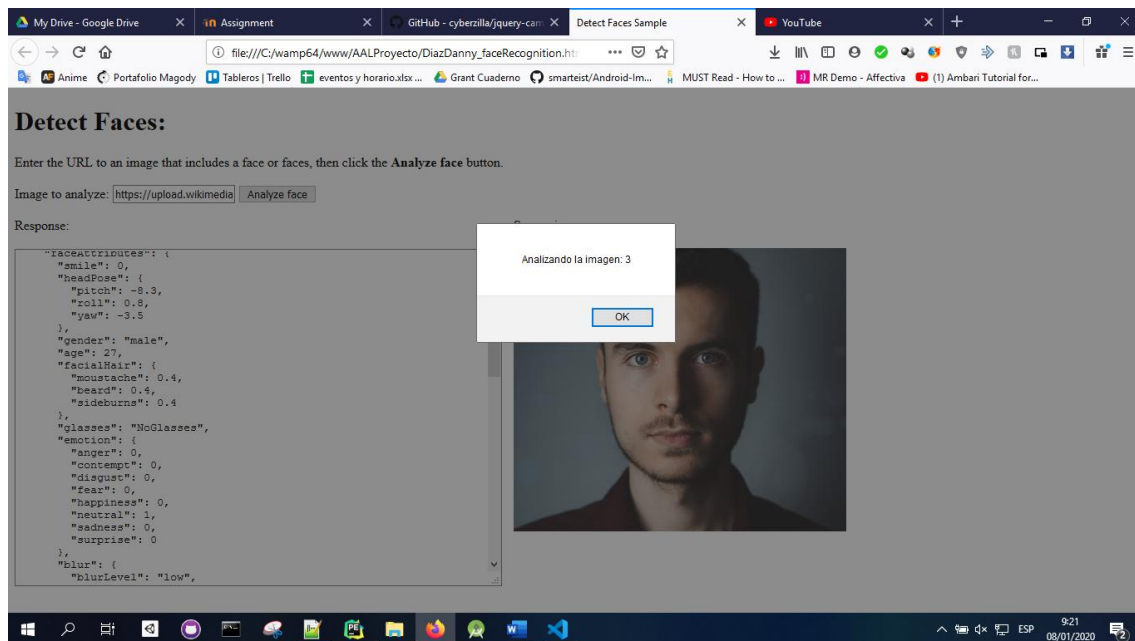


Aplicaciones en ambientes libres

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FECHA: 08-01-2020
TÍTULO: “Face emotion recognition”

Captura de la ejecución



Código fuente:

```
<!DOCTYPE html>
<html>
  <head>
    <title>Detect Faces Sample</title>
    <script src="https://ajax.googleapis.com/ajax/libs/jquery/1.9.0/jquery.min.js"></script>
  </head>
  <body>
    <h1>Detect Faces:</h1>
    Enter the URL to an image that includes a face or faces, then click
    the <strong>Analyze face</strong> button.<br><br>
    Image to analyze: <input type="text" name="inputImage" id="inputImage"
      value="https://upload.wikimedia.org/wikipedia/commons/c/c3/RH_Louise_Lillian_Gish.jpg" />
    <button onclick="processImage()">Analyze face</button><br><br>
    <div id="wrapper" style="width:1020px; display:table;">
      <div id="jsonOutput" style="width:600px; display:table-cell;">
        Response:<br><br>
        <textarea id="responseTextArea" class="UIInput"
          style="width:580px; height:400px;"></textarea>
      </div>
    </div>
  </body>
</html>
```

Aplicaciones en ambientes libres

```
</div>
<div id="imageDiv" style="width:420px; display:table-cell;">
  Source image:<br><br>
  <img id="sourceImage" width="400" />
</div>
</div>

<script type="text/javascript">

  var tiempo = 30000; //ms
  var imagenes = [
    "https://images.pexels.com/photos/415829/pexels-photo-415829.jpeg?auto=compress&cs=tinysrgb&dpr=1&w=500",
    "https://images.pexels.com/photos/614810/pexels-photo-614810.jpeg?auto=compress&cs=tinysrgb&dpr=1&w=500",
    "https://inst.eecs.berkeley.edu/~cs194-26/fa17/upload/files/proj4/cs194-26-adq/asianguy.jpg",
    "https://steemitimages.com/p/EEEOA8oLaAxsTkPYAARp78o5cJA1o6Chv9x98TzCFT6v5GzSgNSrek2mrGEULjaHfyNgCUG12gcqiHgDDeVfSvrek7wMk5SPxC9sLjwSJcA7JHBFJFWAedmwvV5dggqVTLnF6u4DCsbMUhqKXQnmVg?format=match&mode=fit&width=640",
    ,
    "https://facegen.com/images/modeller_photofit_1.jpg"];
  var indice_imagen_actual = 0;
  processImage();

  var intervalo = setInterval(processImage, tiempo);

  function processImage() {

    alert("Analizando la imagen: "+(indice_imagen_actual+1));
    /* Ekman emotions

    Key 1: d9b62f5bd12847d6bb959d870abafb0a
    Key 2: f2789e1a750d4fc7be518f50ddf7524b
    */

    var subscriptionKey = "d9b62f5bd12847d6bb959d870abafb0a";

    var uriBase =
      "https://westcentralus.api.cognitive.microsoft.com/face/v1.0/detect";
```

Aplicaciones en ambientes libres

```
// Request parameters.
var params = {
    "returnFaceId": "true",
    "returnFaceLandmarks": "false",
    "returnFaceAttributes":
        "age,gender,headPose,smile,facialHair,glasses,emotion," +
        "hair,makeup,occlusion,accessories,blur,exposure,noise"
};

// Display the image.
var sourceImageUrl = imagenes[indice_imagen_actual] //document.ge
tElementById("inputImage").value;

document.querySelector("#sourceImage").src = sourceImageUrl;

// Perform the REST API call.
$.ajax({
    url: uriBase + "?" + $.param(params),

    // Request headers.
    beforeSend: function(xhrObj){
        xhrObj.setRequestHeader("Content-
Type","application/json");
        xhrObj.setRequestHeader("Ocp-Apim-Subscription-
Key", subscriptionKey);
    },

    type: "POST",

    // Request body.
    data: '{"url": ' + '"' + sourceImageUrl + '"}', // data: '{"url
": ' + '"' + sourceImageUrl + '"}',
    })

.done(function(data) {
    // Show formatted JSON on webpage.
    $("#responseTextArea").val(JSON.stringify(data, null, 2));
})

.fail(function(jqXHR, textStatus, errorThrown) {
    // Display error message.
    var errorString = (errorThrown === "") ?
```

Aplicaciones en ambientes libres

```

        "Error. " : errorThrown + " (" + jqXHR.status + "): ";
        errorString += (jqXHR.responseText === "") ?
            "" : (jQuery.parseJSON(jqXHR.responseText).message) ?
                jQuery.parseJSON(jqXHR.responseText).message :
                jQuery.parseJSON(jqXHR.responseText).error.messag
e;

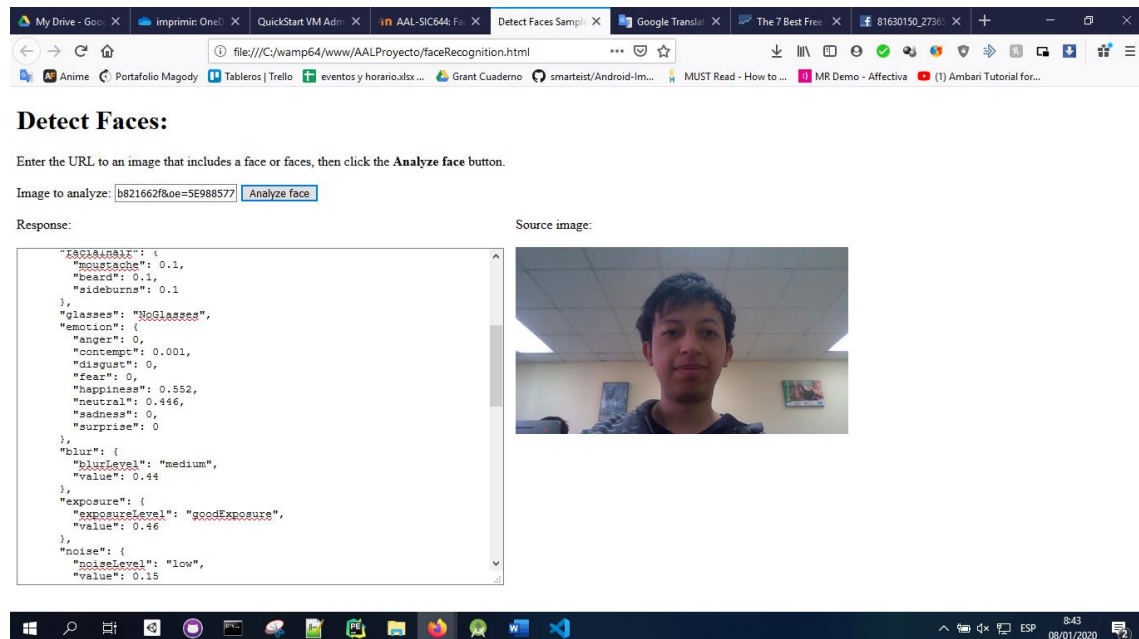
        alert(errorString);
    });
    indice_imagen_actual += 1;

    if(indice_imagen_actual == imagenes.length){
        indice_imagen_actual = 0;
        clearInterval(intervalo);
    }
};
</script>

</body>
</html>

```

Captura de la misma cara



Detect Faces:

Enter the URL to an image that includes a face or faces, then click the **Analyze face** button.

Image to analyze:

Response:

```

{
  "face": {
    "mouth": 0.1,
    "beard": 0.1,
    "sideburns": 0.1
  },
  "glasses": "NoGlasses",
  "emotion": {
    "anger": 0,
    "contempt": 0.001,
    "disgust": 0,
    "fear": 0,
    "happiness": 0.552,
    "neutral": 0.446,
    "sadness": 0,
    "surprise": 0
  },
  "blur": {
    "blurLevel": "medium",
    "value": 0.44
  },
  "exposure": {
    "exposureLevel": "goodExposure",
    "value": 0.46
  },
  "noise": {
    "noiseLevel": "low",
    "value": 0.15
  }
}

```

Source image:

