

Lab 15:

AJAX

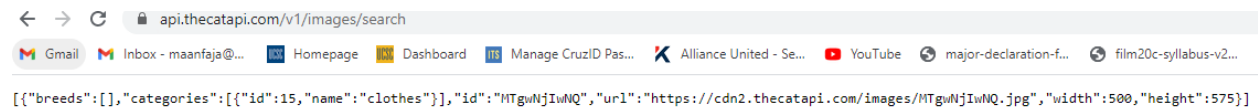
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Section D
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Summary of Efforts

I began like the other labs by creating individual folders and files that correspond to the type of file, such as html, CSS, and JavaScript. For this lab I was completely lost because I did not understand how to obtain the information for from the API, I wanted to use the <https://thecatapi.com/> to return an image of a cat whenever the button was clicked, everything was going fine until it came to task number 1 where we needed to find the endpoint of the API but I could not find it, at all, so I decided to wing it and follow exactly what professor Wes did during the lecture and everything was going fine and for my results it was a success in the console that is. In the console everything from the image to the cat species, colors, origin etc. of the cat came out but for the output div, an error came out saying undefined, and in the console the

error GET <https://hunholysaiyan.github.io/Art101/lab15/undefined> 404

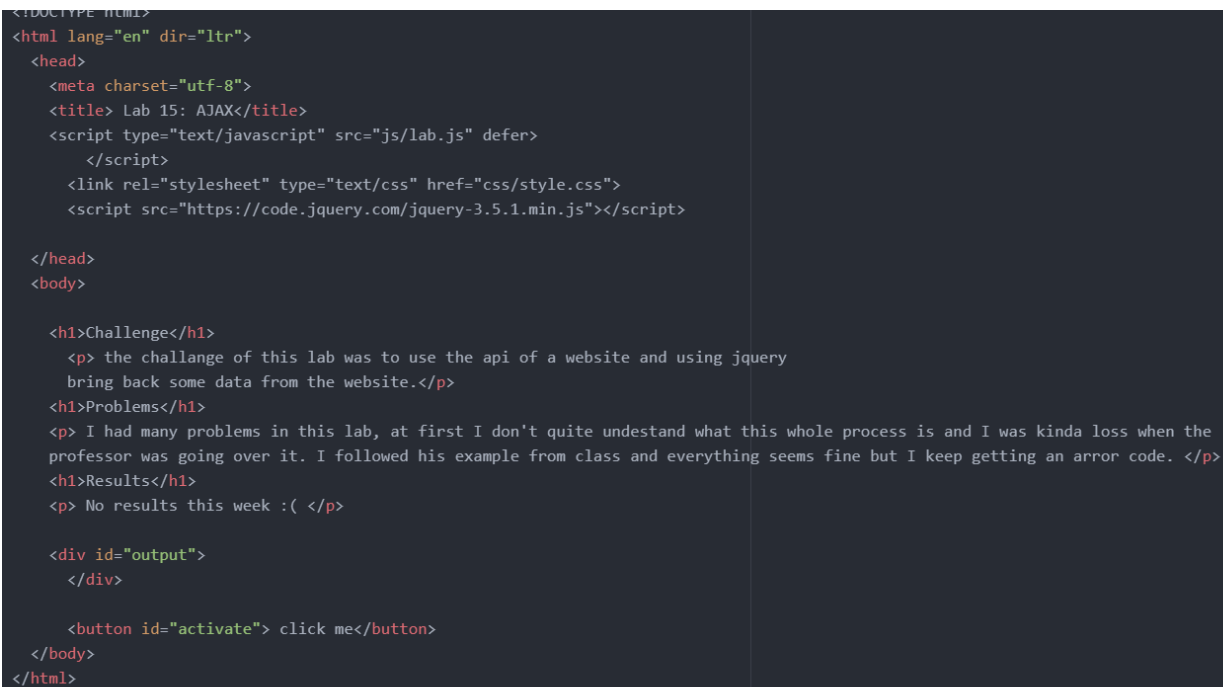
I looked online and it said that, it's exactly what the error says it could not find what the URL was asking for, but I don't understand why, if in the console it came as success. So again, I failed this lab and because this has been the lab that I did not understand anything from I don't know where I messed up. Probably it's a minor error that I'm overseeing but at this point I don't know why.



The screenshot shows a web browser window with the address bar displaying `api.thecatapi.com/v1/images/search`. The browser's tab bar includes links to Gmail, an inbox, a homepage, a dashboard, and several other tabs. The main content area of the browser displays a JSON array of objects, representing search results from the CatAPI. The first object in the array contains a 'breeds' array (empty), a 'categories' array (containing an object with 'id': 15 and 'name': 'clothes'), and an 'id' field with the value 'MTgwNjIwNQ'. The 'url' field points to a specific image on the CatAPI CDN, and the 'width' and 'height' fields are 500 and 575 respectively.

```
[{"breeds": [], "categories": [{"id": 15, "name": "clothes"}], "id": "MTgwNjIwNQ", "url": "https://cdn2.thecatapi.com/images/MTgwNjIwNQ.jpg", "width": 500, "height": 575}]
```

This is what I believe is the api endpoint but I also believe that it is not.



The screenshot shows a code editor with an HTML document. The document starts with a DOCTYPE declaration and an HTML tag with language and direction attributes. The head section includes a meta charset, a title 'Lab 15: AJAX', and several script and link tags for JavaScript and CSS. The body section contains a heading 'Challenge', a paragraph describing the lab's goal, another heading 'Problems', a paragraph about the user's struggles, a heading 'Results', and a paragraph stating 'No results this week :('. Below this is a div with an id of 'output' and a button with an id of 'activate' that says 'click me'.

```
<!DOCTYPE html>
<html lang="en" dir="ltr">
  <head>
    <meta charset="utf-8">
    <title> Lab 15: AJAX</title>
    <script type="text/javascript" src="js/lab.js" defer>
    </script>
    <link rel="stylesheet" type="text/css" href="css/style.css">
    <script src="https://code.jquery.com/jquery-3.5.1.min.js"></script>
  </head>
  <body>

    <h1>Challenge</h1>
    <p> the challenge of this lab was to use the api of a website and using jquery
    bring back some data from the website.</p>
    <h1>Problems</h1>
    <p> I had many problems in this lab, at first I don't quite understand what this whole process is and I was kinda loss when the
    professor was going over it. I followed his example from class and everything seems fine but I keep getting an error code. </p>
    <h1>Results</h1>
    <p> No results this week :( </p>

    <div id="output">
    </div>

    <button id="activate"> click me</button>
  </body>
</html>
```

This is my html page

```
.special{
  font-size: 200%;
  color: blue;
}
#one{
  font-size: 350%;
  color: magenta;
}
body{
  background-color: #f5f0df;
}
div{
  background-color: #f2dfd3;
  border: 5px solid black;
}

p{
  font-size: 30px;
}
```

This is my CSS page

```

1  /*
2     * Authors: Marco Fajardo, <Maanfaja@ucsc.edu>
3     * Created: 3 March 2021
4     * License: Public Domain
5  */
6
7  // apiEndpoint = "https://api.thecatapi.com/v1/images/search";
8
9  $("#activate").click(catApi);
10
11 function textOnscreen(text){
12     $("#output").html(text);
13 }
14
15 function catApi (){
16     $.ajax({
17         //my endpoint
18         url: "https://api.thecatapi.com/v1/images/search",
19
20         data: {
21
22             id: 123,
23             api_key: "125c6ddb-369e-4f27-99cb-96b1c689e939",
24         },
25         //type would be GET
26         type: "GET",
27         // I need the json and image from the api
28         dataType : "json",|
29
30         success: function(data) {
31             var textData = JSON.stringify(data);
32             var str = "";
33             var imageURL = data.img;
34             var title = data.title;
35             str += "<h2>" + title + "</h1>";
36             str += "<img src='" + imageURL + "'>"
37             console.log("Success", textData);

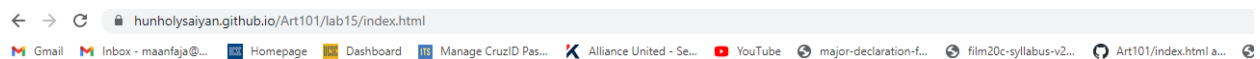
```

```

37         console.log("Success", textData);
38         textOnscreen(str);
39     },
40
41     error: function (jqXHR, textStatus, errorThrown) {
42         console.log("Failure");
43         textOnscreen(errorThrown + " Status:" + status);
44     }
45 })
46 }
47

```

This is my Javascript page.



Challenge

the challenge of this lab was to use the api of a website and using jquery bring back some data from the website.

Problems

I had many problems in this lab, at first I don't quite understand what this whole process is and I was kinda loss when the professor was going over it. I followed his example from class and everything seems fine but I keep getting an error code.

Results

No results this week :(

