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GitHub Link :
https://github.com/KavyaPara/Web_Development_Course/tree/main/Web-Development/ICP4

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JavaScript(OO) & JQuery

JQuery:

JQuery is a JavaScript library. With the help of JQuery it is easy to use the JavaScript in our website. It is used to traverse and manipulate the HTML DOM Tree. It also simplifies the event handling, CSS Animation and Ajax. In JQuery, we write less code but has more functionality.

Functionality:

When the user enters a username of a Github profile, it will store the entered value in a variable named username, then the function getGithubInfo() will get called with username as its parameter. Then it will be stored in the response. If the response status is successful i.e., (response.status==200) it will call showUser() function, otherwise it will call noSuchUser() function.

Tasks:

1. Created a instance of XMLHTTPRequest class and sent a GET request using it in a getGithubInfo(user) function. It returns a object which contains the response.

```
function getGithubInfo(user) {
    //1. Create an instance of XMLHttpRequest class and send a GET request using it.
    // The function should finally return the object(it now contains the response!)
    const xhttp = new XMLHttpRequest();
    xhttp.open("GET", "https://api.github.com/users/"+user,false);
    xhttp.send(null);
    return xhttp
}
```
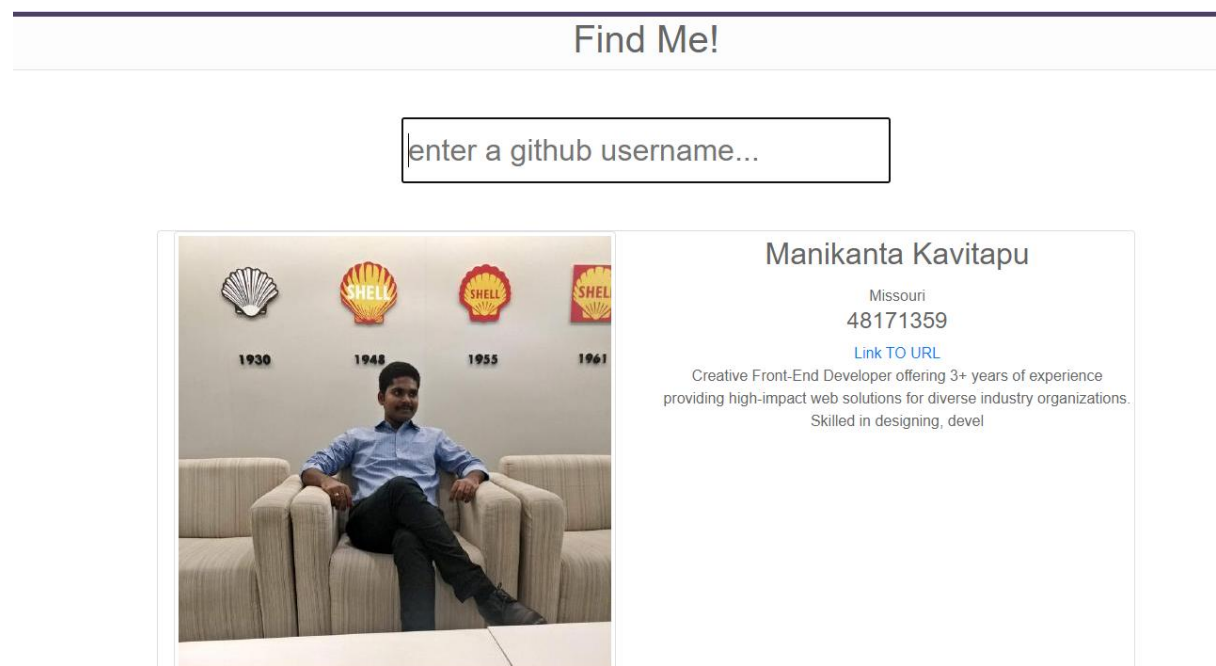
2. Then we have created a function which displays the user details. We have used JQuery selectors, text method which will add the text dynamically and used a attribute method to set the attributes of image and anchor tag.

```
function showUser(user) {
    //2. set the contents of the h2 and the two div elements in the div '#profile' with the user content
    console.log(user);
    $("h2").text(user.name);
    $(".information").text(user.location);
    $(".ids").text(user.id);
    $("img").attr("src",user.avatar_url);
    $("a").attr("href",user.html_url).text("Link TO URL")
    $("p").text(user.bio)
}
```

3. Finally we have created a function named noSuchUser() and have displayed the "No such user found" message.

Results:

1. When the username is found the result will be displayed as shown in the below image.

Find Me!

enter a github username...

Manikanta Kavitapu

Missouri

48171359

Link TO URL

Creative Front-End Developer offering 3+ years of experience
providing high-impact web solutions for diverse industry organizations.
Skilled in designing, devel

2. When the username is not found the result will be displayed as shown in the below image.

Contribution:

We both have contributed equally.