

ICP4

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Aim: The Aim of this ICP4 is to create a github finder app that makes a call to the github api and displays the users name, url, github id and github profile img.

Tools Used: Html, Bootstrap and JQuery/Javascript.

Screenshots/Explanation:

1. Design of Webpage

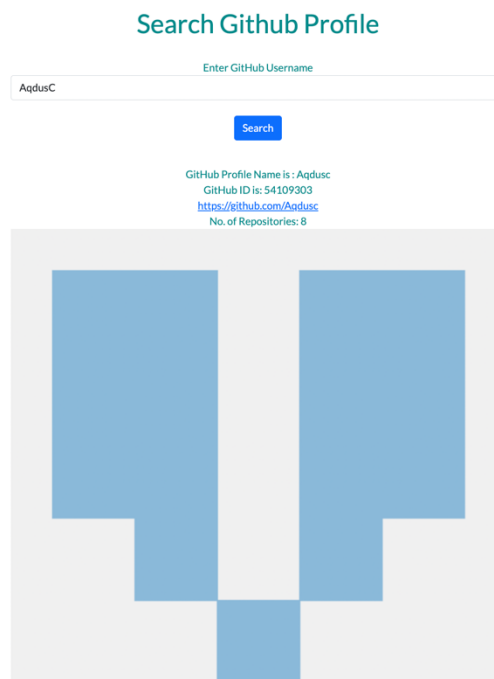
Search Github Profile

Enter GitHub Username

Enter GitHub Profile Name

Search

2. Output of Webpage when the Search button is clicked.



3. Function to call the github api

```
$(function () { //creating the jquery function which will activate when
the search button is clicked.
    $("#Search").click(function (e) {

        var result;
        e.preventDefault(); //to load the page and prevent refreshing
        $.ajax({ //Call the github api
            type: 'GET', //Read-Only data so only get and no post
            url: 'https://api.github.com/users/' +
                $('#Username').val(), //get the github user through url
            data: 'json', // data will be returned in java script
            // object nota
            success: function (data) { //all the data being stored in
            the data object
                console.log('success', data); // if successful log to
                the console success
                $("#gituser").html("Github Profile Name is :
                "+data.login); // Getting the github user name
                $("#gitid").html("Github ID is: "+data.id); // Getting
                the github userID
                $("#link").html(data.html_url); // Getting the github
                URL
                $("#link").attr("href", data.html_url); //Adding the
                URL as href
                $("#repo").html("No. of Repositories:");
```

```

"+data.public_repos); //Adding the no of repositories of the user
    $("#pimg").attr("src", data.avatar_url); // getting the
user profile github image
    },
    error: function (data) {
        console.log('error' + $('#Username').val()); // error
display if error occurs, like what type of error
    }
    });

    return result; //returning the result to the html file.
});
});

```

Following is the javascript code to call the github api. I call the function which is activated when the search button is clicked and contains the ajax function to call the github api. In the next part of the code there are 3 parameters type: which is set to get as we only want to receive the data and not post. url is the github api to which we add the username we entered in the textbox in html page. And finally data where we decide how we want to store it, here it is in json format. We then create a success function to pick all the data that is required according to the icp4. For certain data like url and imgs the attr function is used to add html attributes like href for url and src for img which is then passed to the html webpage. Finally we return the result to the html webpage for display.

4. Html Webpage code:

```

5. <!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <title>Git Hub Profile Search</title>
    <!-- Adding the bootstrap css to the html file-->
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.m
in.css" rel="stylesheet" integrity="sha384-
1BmE4kWBq78iYhFtdvKuhfTAU6auU8tT94WrHftjDbrCEXSU1oBoqyl2QvZ6jIW3"
crossorigin="anonymous">
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bun
dle.min.js" integrity="sha384-
ka7Sk0Gln4gmtz2MlQnikT1wXgYsOg+OMhuP+IlRH9sENBO0LRn5q+8nbTov4+1p"
crossorigin="anonymous"></script>
    <!-- Adding the jquery/ajax to the html file-->
    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js">
</script>
    <!-- Adding the Google Font api for the Lato Font -->
    <link rel="stylesheet"
href="https://fonts.googleapis.com/css?family=Lato">
    <!-- Loading our javascript file which contains the api to call the
github to pull the user name, repositories and link to github

```

```

account-->
    <script type="text/javascript" src="searchprofile.js"></script>

<!-- Adding the font-style and color to html file-->
<style>
    body{
        font-family: "Lato", sans-serif;
        color: darkcyan;
    }
</style>
</head>

<body>

<div class="container-fluid" style="padding: 3% 30%">

    <h1 style="text-align: center">Search Github Profile</h1>
    <br>
<!--Creating Text-box to enter the Github username -->
    <div class="mb-3" style="text-align: center">
        <label>Enter GitHub Username</label>
        <input type="text" class="form-control" id="Username"
placeholder="Enter GitHub Profile Name">
        <br>
<!-- The button once clicked calls the github api using jquery
and pulls the content-->
        <button id="Search" type="button" class="btn btn-
primary">Search</button>
    </div>
    <br>
    <div class="row" style="text-align: center">
        <!-- Displaying the username from jquery get-->
        <label id="gituser"></label>
<!-- Displaying the github id-->
        <label id="gitid"></label>
<!--Displaying the github url of the user-->
        <a id="link" target="_blank"></a>
<!-- Displaying the no of repositories of the github-user-->
        <a id="repo"></a>
<!--Displaying the github profile img of the user-->
        <img id="pimg">
    </div>
</div>
</body>
</html>

```

I have created a simple html webpage using bootstrap and google api font to receive from the javascript file the github api content and display. The code has been explained exhaustively.