

# ICP4 Report

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github: <https://github.com/GollapudiSrikanth/WebMobileSpring2022/tree/main/Web/ICP4>

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github: [https://github.com/MangiVarunReddy/Webcourse/tree/main/Web\\_part/ICP4](https://github.com/MangiVarunReddy/Webcourse/tree/main/Web_part/ICP4)

## **Task Performed**

1. Created a webpage which is used for searching the users in the GitHub.
2. Added a textbox where user can search for the users on hit of Enter button
3. On hit of Enter button, jquery function on keypress will activate.
4. Checks the event whether it is Enter action and then gets the value from the textbox
5. Calls the function getGitHubInfo which calls the github api with the username provided
6. This GitHub api is of GET method which is called from JQuery and response type json
7. On Success of finding the user we will get the result.
8. Result is added to the table and appended to the html page.
9. Table consists of login, Id, Git Link, Avatar information.
10. Avatar information is nothing but the user profile pic and will get in URL format and added this URL to image tag source method with dimensions of fixed height and width.
11. If the user doesn't exist, then a table with user information not found will be appended to the html page.
12. This table consists of status and error codes.

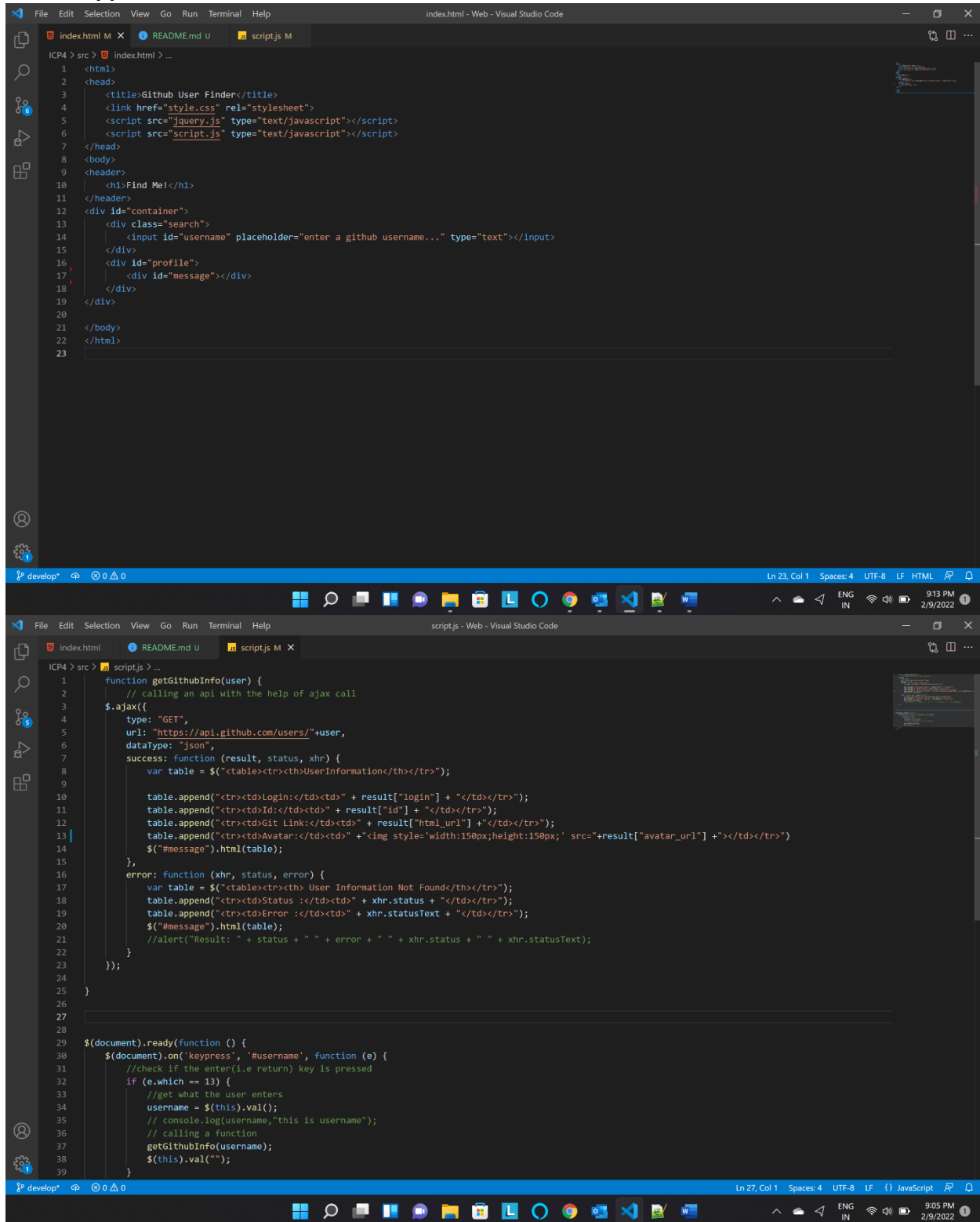
## **OutCome**

From this task we were able to call an api from JQuery based on the user action and on success of the call, able to display the api response on the html and on error displaying the error message.

## **Task Distribution**

Work Contributed was equally distributed together.

## Code Snippets:



The image displays two screenshots of a Visual Studio Code editor window, showing the development of a web application. The top screenshot shows the HTML structure of the application, and the bottom screenshot shows the JavaScript logic.

**Top Screenshot (index.html):**

```
1 <html>
2 <head>
3   <title>Github User Finder</title>
4   <link href="style.css" rel="stylesheet">
5   <script src="jquery.js" type="text/javascript"></script>
6   <script src="script.js" type="text/javascript"></script>
7 </head>
8 <body>
9 <header>
10  <h1>Find Me!</h1>
11 </header>
12 <div id="container">
13   <div class="search">
14     <input id="username" placeholder="enter a github username..." type="text"></input>
15   </div>
16   <div id="profile">
17     <div id="message"></div>
18   </div>
19 </div>
20
21 </body>
22 </html>
23
```

**Bottom Screenshot (script.js):**

```
1 function getGithubInfo(user) {
2   // calling an api with the help of ajax call
3   $.ajax({
4     type: "GET",
5     url: "https://api.github.com/users/" + user,
6     dataType: "json",
7     success: function (result, status, xhr) {
8       var table = $("<table><tr><th>User Information</th></tr>");
9
10      table.append("<tr><td>Login:</td><td>" + result["login"] + "</td></tr>");
11      table.append("<tr><td>Id:</td><td>" + result["id"] + "</td></tr>");
12      table.append("<tr><td>Git Link:</td><td>" + result["html_url"] + "</td></tr>");
13      table.append("<tr><td>Avatar:</td><td>" + "</td></tr>");
14      $("#message").html(table);
15    },
16    error: function (xhr, status, error) {
17      var table = $("<table><tr><th> User Information Not Found</th></tr>");
18      table.append("<tr><td>Status :</td><td>" + xhr.status + "</td></tr>");
19      table.append("<tr><td>Error :</td><td>" + xhr.statusText + "</td></tr>");
20      $("#message").html(table);
21      //alert("Result: " + status + " " + error + " " + xhr.status + " " + xhr.statusText);
22    }
23  });
24}
25
26
27
28
29 $(document).ready(function () {
30   $(document).on('keypress', '#username', function (e) {
31     //check if the enter(i.e return) key is pressed
32     if (e.which == 13) {
33       //get what the user enters
34       username = $(this).val();
35       // console.log(username,"this is username");
36       // calling a function
37       getGithubInfo(username);
38       $(this).val("");
39     }
40   });
41}
```

## Task Screenshots:

