ICP4 Assignment

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Goal of Assignment :

The main aspect of the assignment is to learn and understand object-oriented javaScript with jQuery. To write the basic coding part of javaScript and built the web-application.

Below are the screenshots for the both the tasks:

Task-1:

1)In this, the empty background frame needs to show the images we hover on. Once the mouse pointer shows an image in the web page, that should be reflected. In this task, basically HTML, javascript and CSS need to used.
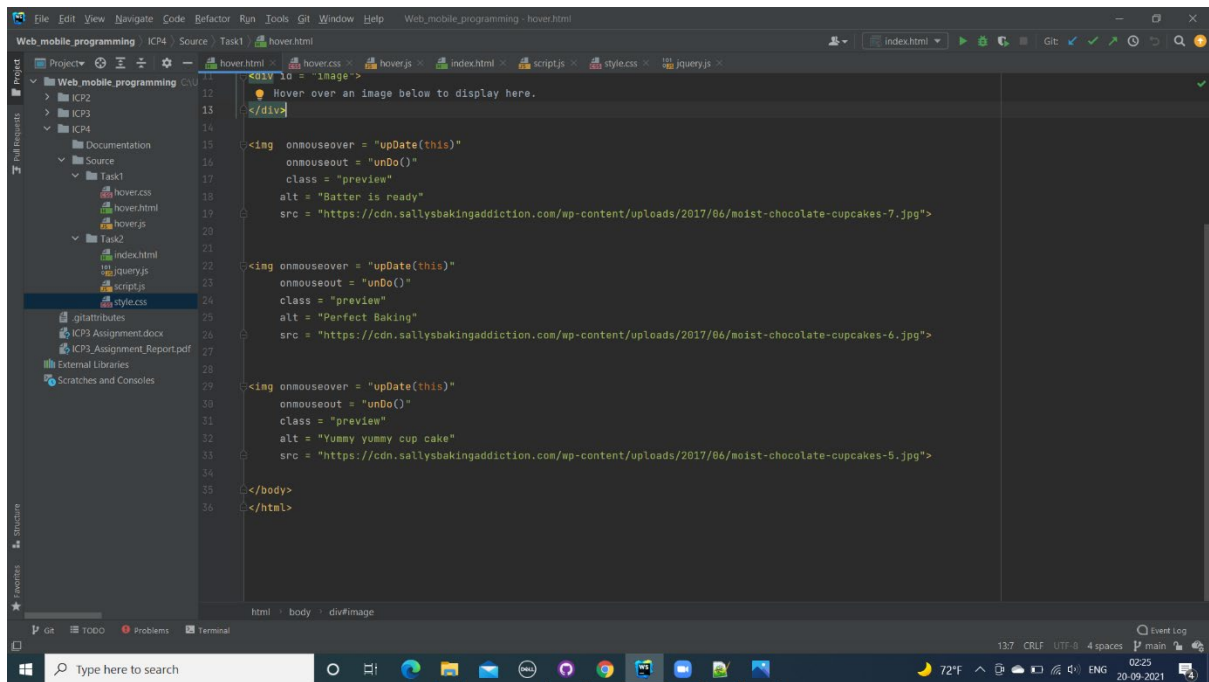
Below are the supporting screenshots for the same:

HTML Code :

CSS Code :

JavaScript Code :
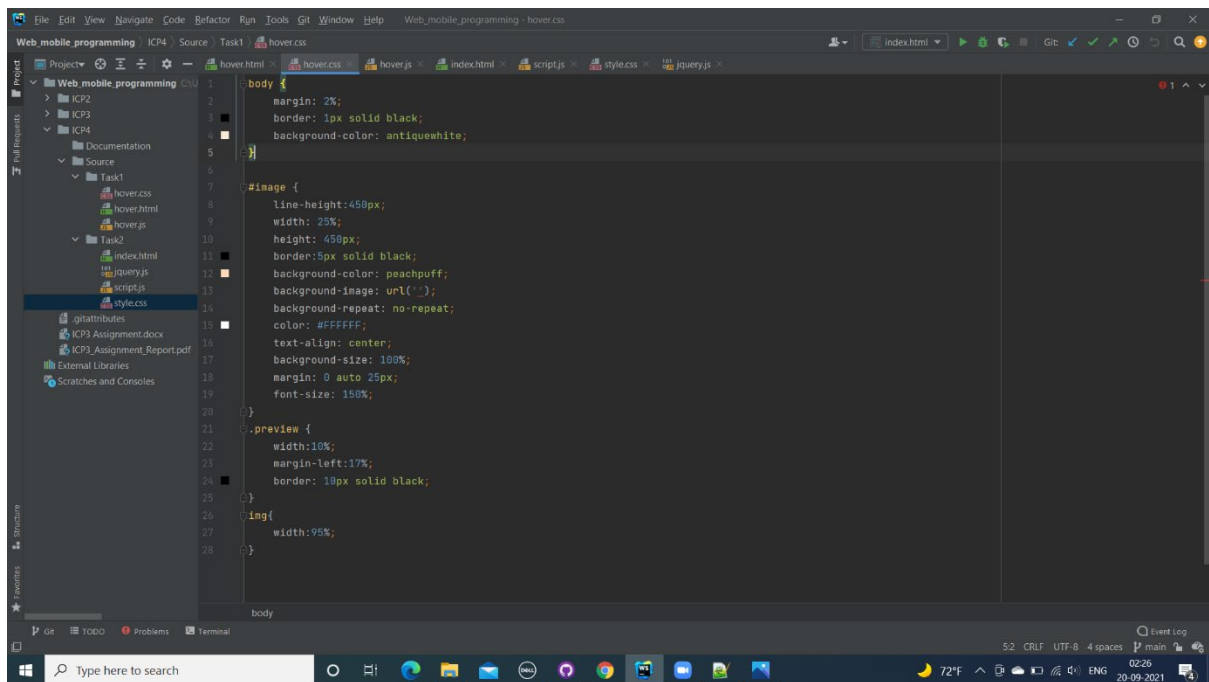

```javascript
function upDate(previewPic) {
    /* In this function you should
    1) change the url for the background image of the div with the id = "image"
    to the source file of the preview image

    2) Change the text  of the div with the id = "image"
    to the alt text of the preview image
    */
    const images = previewPic.getAttribute( "src" );
    const words = previewPic.getAttribute( "alt" );
    document.getElementById( 'image').style.backgroundImage="url('" + images + "')";

    // updates image text
    document.getElementById( 'image').innerHTML=words;
}

function unDo() {
    /* In this function you should
    1) Update the url for the background image of the div with the id = "image"
    back to the original-image.  You can use the css code to see what that original URL was

    2) Change the text  of the div with the id = "image"
    back to the original text.  You can use the html code to see what that original text was
    */
    document.getElementById( 'image').innerText= "Hover over an image below to display here.";
    document.getElementById( 'image').style.background='peachpuff';
}
```
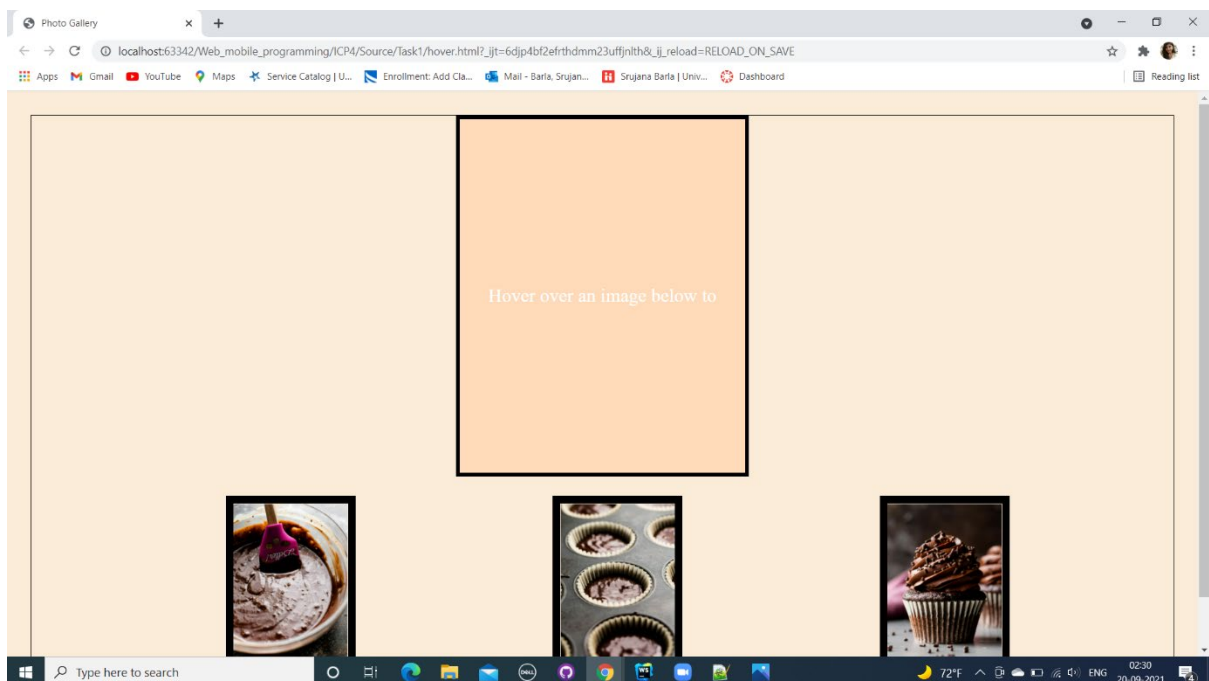
Results of the Task1:

As you move the mouse cursor, it shows the images on the frame in the centre.

Below image is shown , as soon as web page is opened.

Once, we hover the cursor on one of the images below. Like here in the below image, mouse is on "batter is ready" image
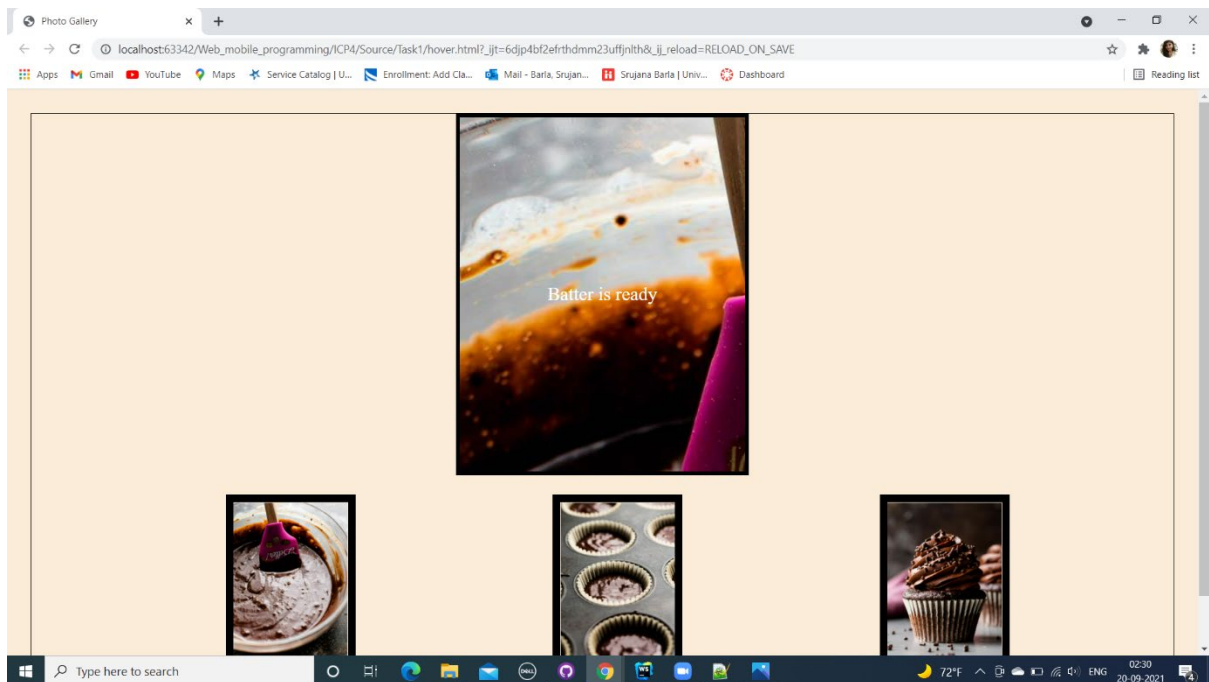
When cursor is hovered on the "perfect baking" image, it looks like below screenshot:

When cursor is on the "yummy yummy cup cake" image looks :
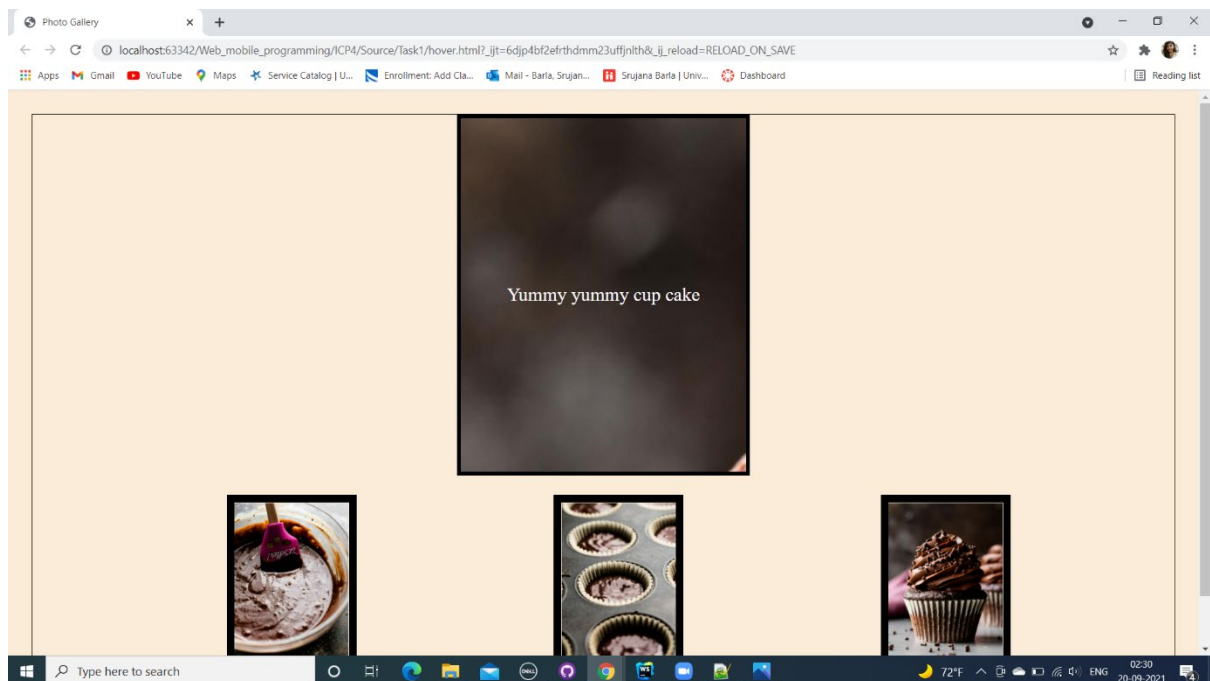
Task-2:

2)This task basically requires, profile vision of GitHub user. In this, when a username is entered on the search bar, it should show the details of the user. This need HTML, CSS, JavaScript, JQuery coding.

Below are the screenshots for the same.

HTML Code:

```html
            <div class="search">
                <p>Username: <input id="username" placeholder="Enter The Required Profile Name" type="text"/></p>
            </div>
        </div>
    </div>
    <div id="results" class="card collapse"><br>
        <h2 class="card-header collapse"><br>
            Result: <span class="name"></span></h2><br>
        <div class="card-body collapse result"><br>
            <div class="float-left mr-3"><br>
                <div class="avatar"></div><br>
                <div class="information"></div><br>

            </div>

            <div class="card-header collapse result"><br>
                Repositories
            </div>
            <div class="card-body collapse result"><br>
                <div class="repos"></div><br>
            </div>
        </div>
    </div>
</div>

</body>
</html>
```
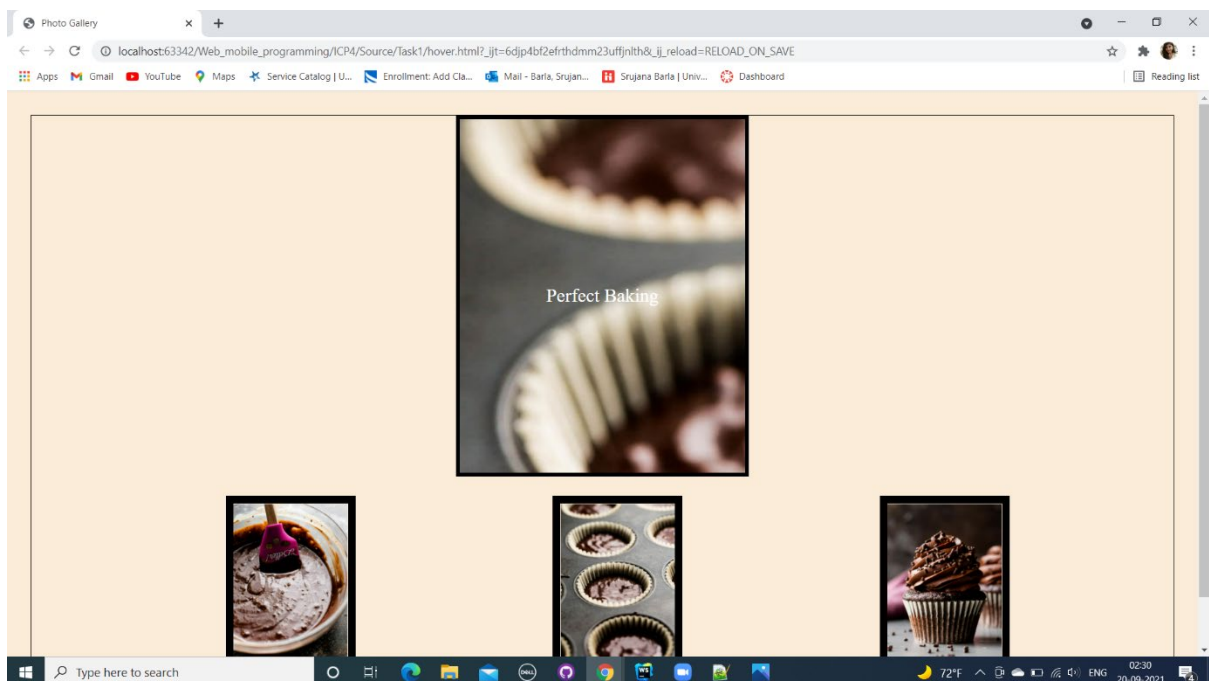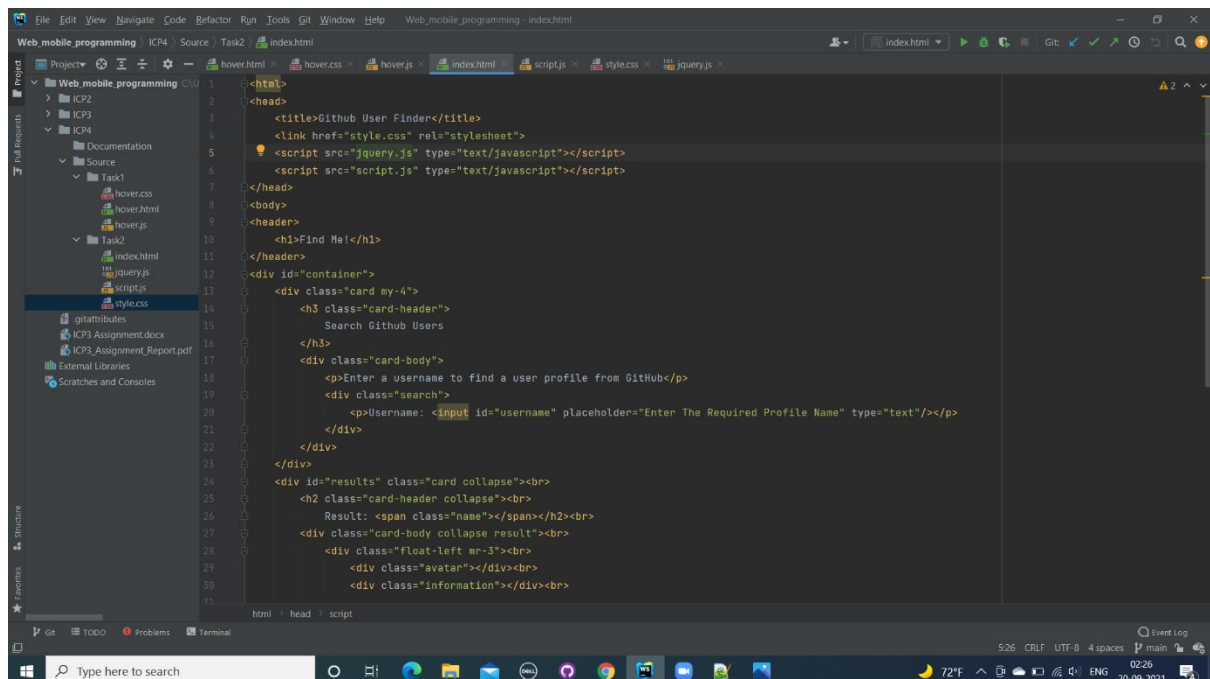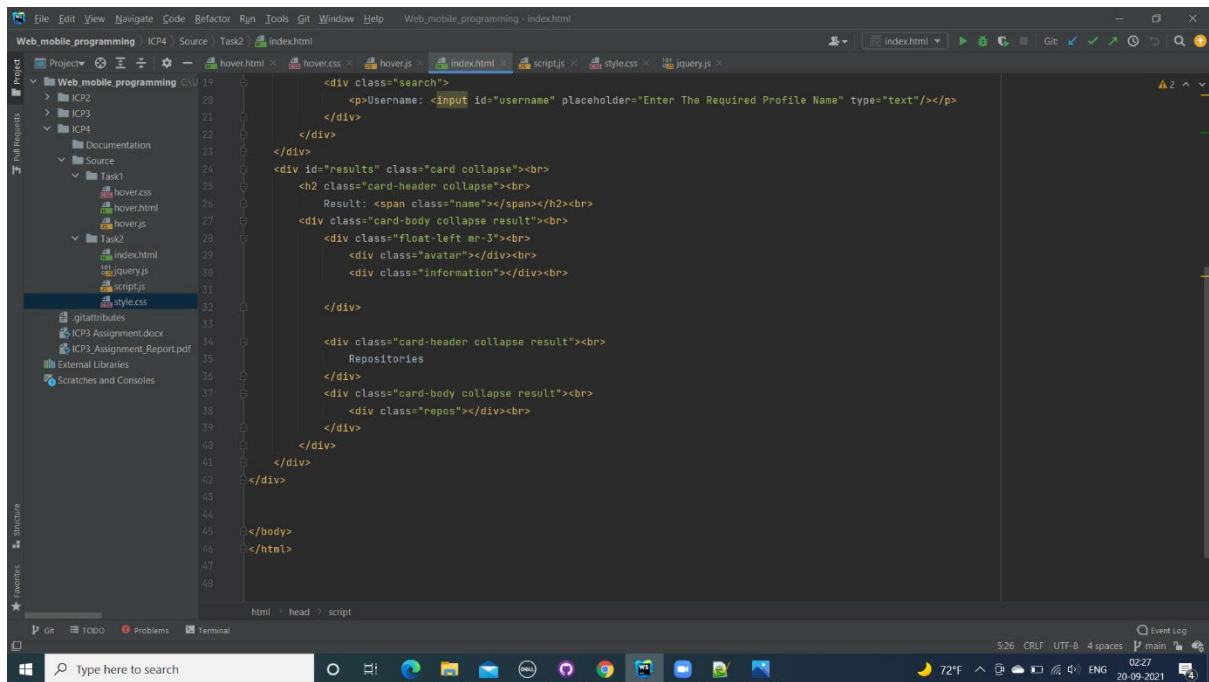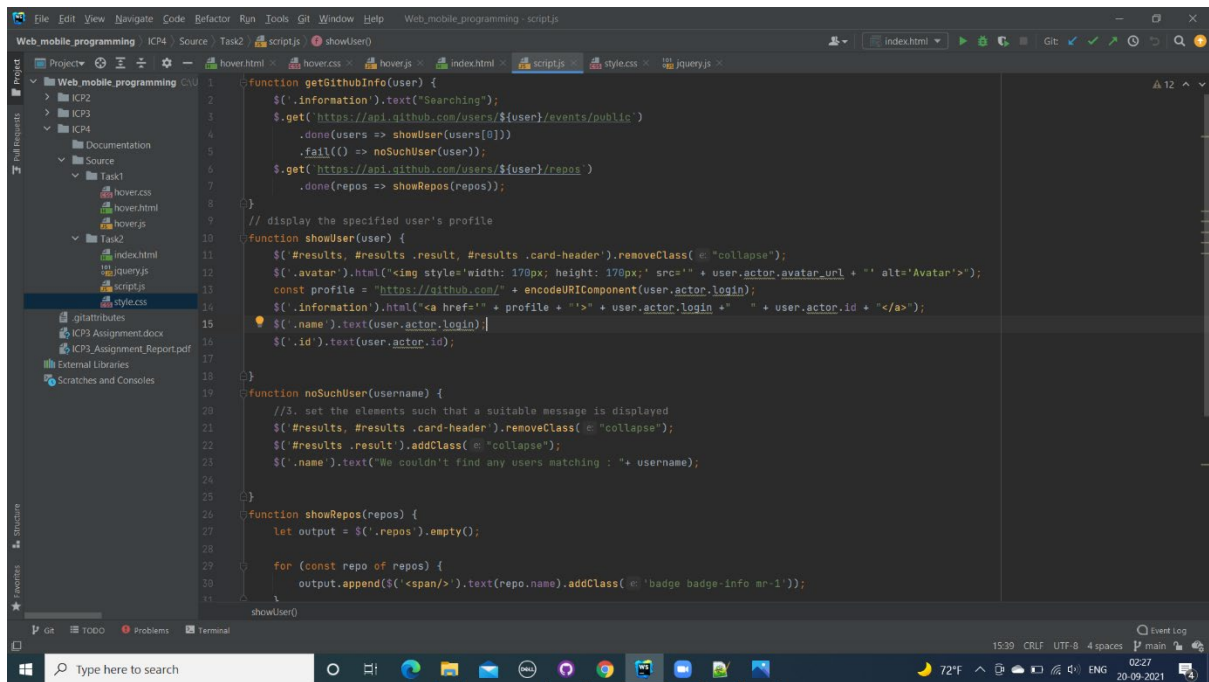
JavaScript Code:


```javascript
function getGithubInfo(user) {
    $('.information').text("Searching");
    $.get(`https://api.github.com/users/${user}/events/public`)
        .done(users => showUser(users[0]))
        .fail(() => noSuchUser(user));
    $.get(`https://api.github.com/users/${user}/repos`)
        .done(repos => showRepos(repos));
}
// display the specified user's profile
function showUser(user) {
    $('#results, #results .result, #results .card-header').removeClass("collapse");
    $('.avatar').html("<img style='width: 170px; height: 170px;' src='" + user.actor.avatar_url + "' alt='Avatar'>");
    const profile = "https://github.com/" + encodeURIComponent(user.actor.login);
    $('.information').html("<a href='" + profile + "'>" + user.actor.login +"    " + user.actor.id + "</a>");
    $('.name').text(user.actor.login);
    $('.id').text(user.actor.id);
}

function noSuchUser(username) {
    //3. set the elements such that a suitable message is displayed
    $('#results, #results .card-header').removeClass("collapse");
    $('#results .result').addClass("collapse");
    $('.name').text("We couldn't find any users matching : "+ username);
}

function showRepos(repos) {
    let output = $('.repos').empty();

    for (const repo of repos) {
        output.append($('<span/>').text(repo.name).addClass('badge badge-info mr-1'));
    }
}
```
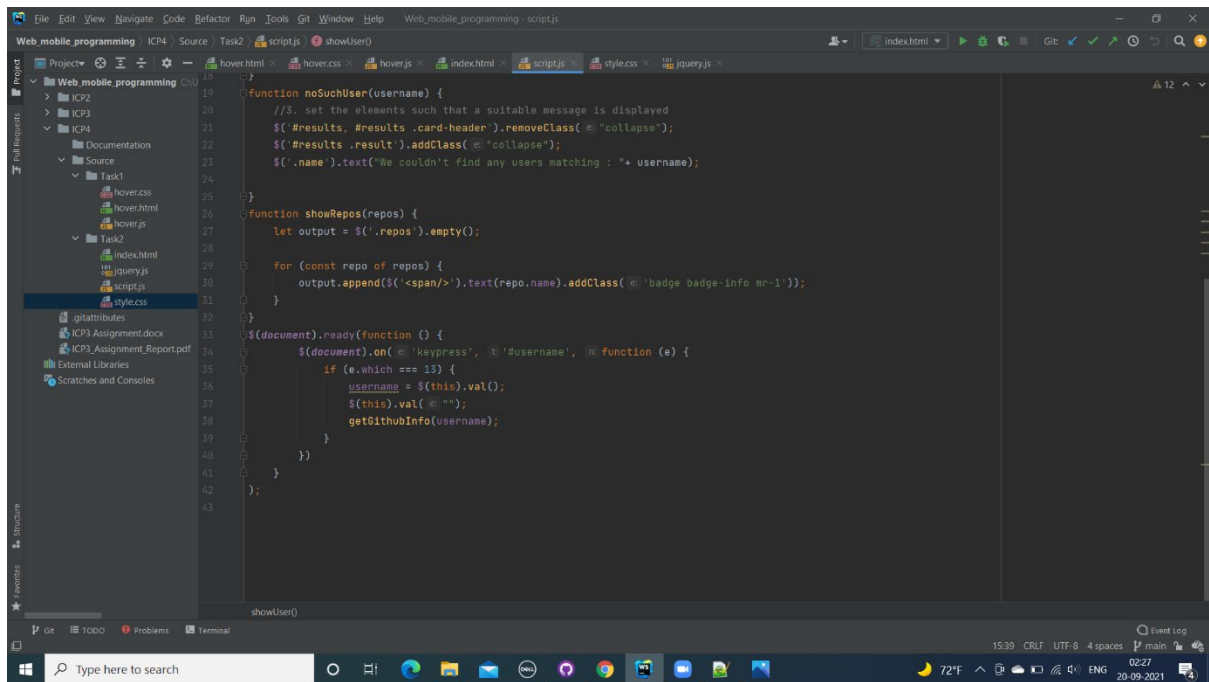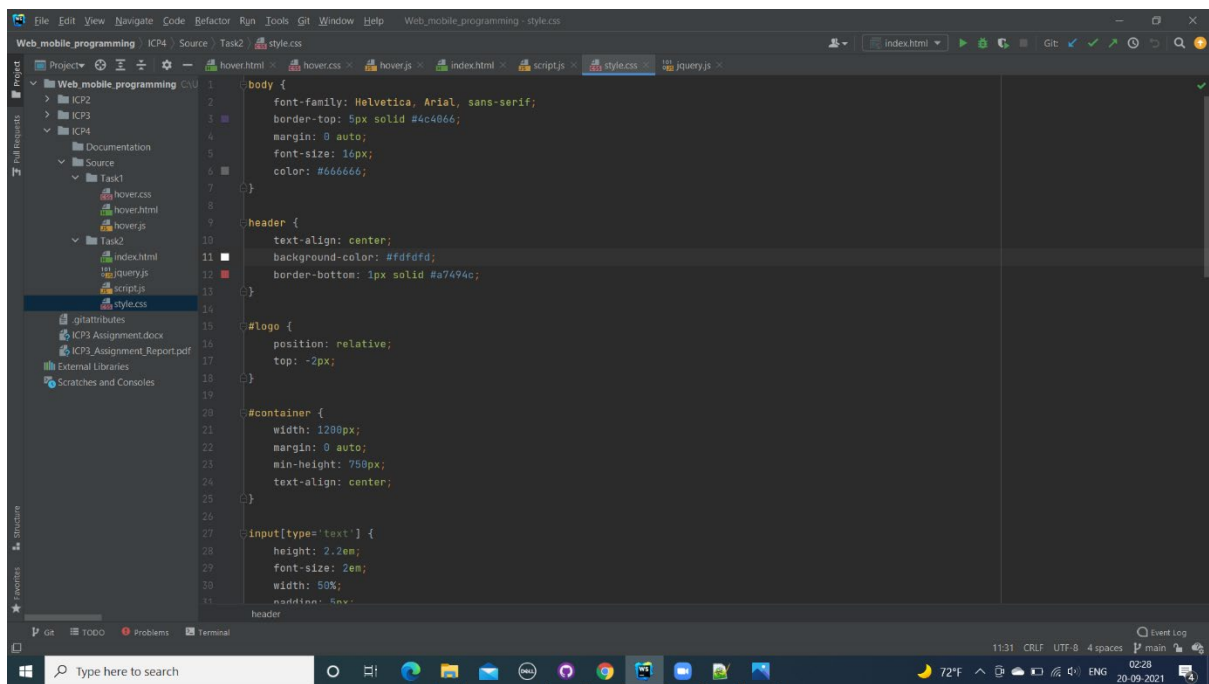
CSS Code:

```css
}

input[type='text'] {
    height: 2.2em;
    font-size: 2em;
    width: 50%;
    padding: 5px;
}

.information, .avatar {
    vertical-align: top;
    display: inline-block;
}

.information {
    text-align: center;
    border-top-left-radius: 5px;
    border-bottom-left-radius: 5px;
}
.search {
    text-align: center;
    margin: 50px auto;
}

#headings {
    text-align: center;
    margin-top: 10px;
}
h2 {
    padding: 5px;
    text-align: left;
```
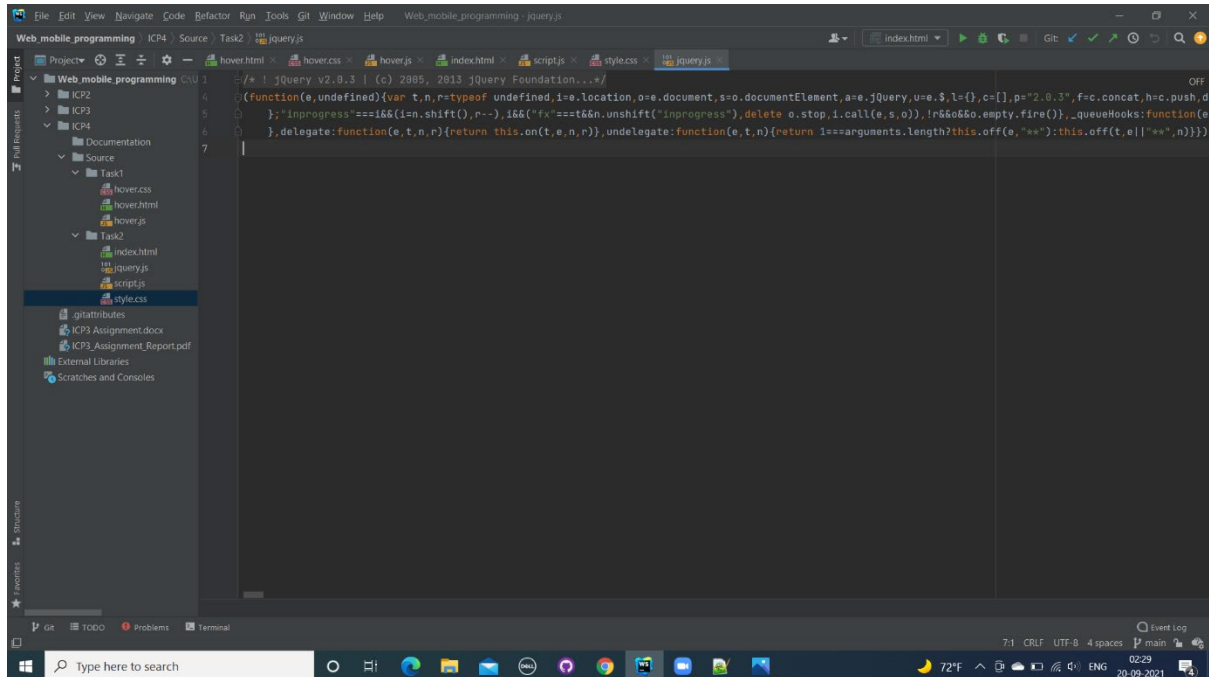
```css
}
h2 {
    padding: 5px;
    text-align: left;
    background-color: #fdfdfd;
    border-bottom: 1px solid #e5e2e0;
    font-size: 20px;
}

.profile {
    height: 130px;
    width: 150px;
    padding: 90px 30px 0;
    display: block;
    background-color: purple;
    text-decoration: none;
    color: white;
    font-width: bold;
}

.profile:hover {
    background-color: #b300b3;
}
@media (max-width: 600px) {
    nav,article{
        width: 100%;
        height: auto;
    }
}
```

JQuery Code:

Below are the snippets for the Task-2 :

As soon as web page is launched , it looks like below screenshot, with a slight boader lines near " Find Me", below with an Username search box and the result section for the user details one.
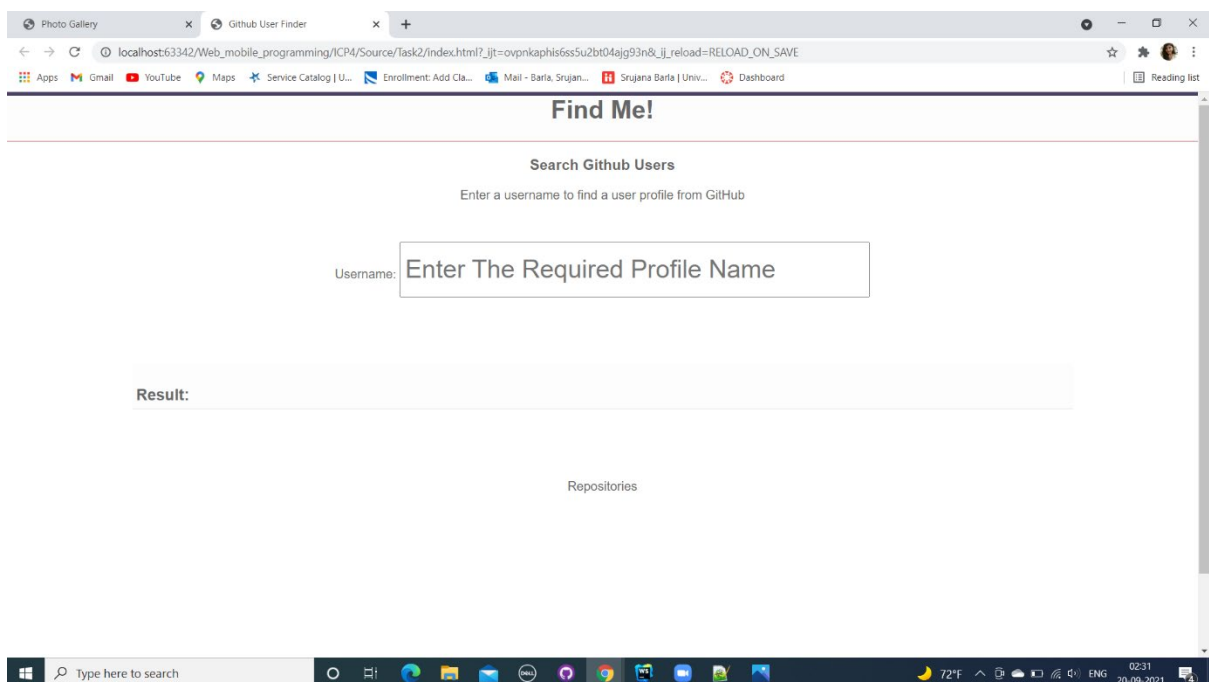
After giving a wrong input in the search bar, it shows like the below result:
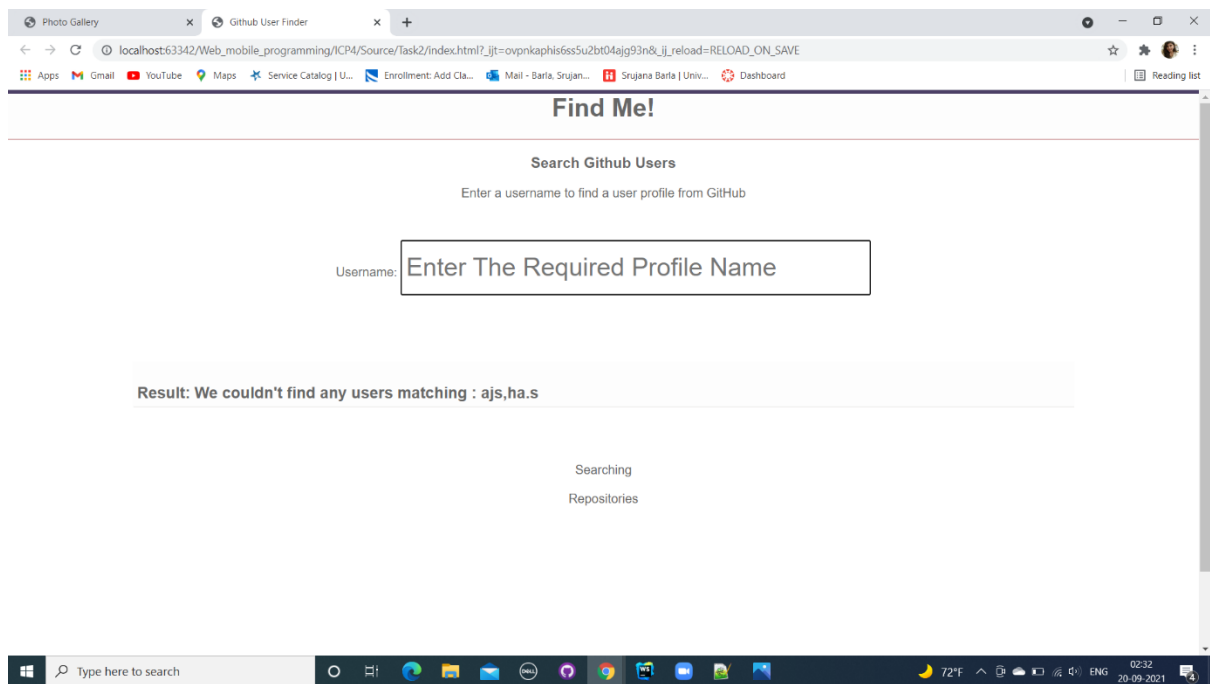
When an existing username is typed , it gives the details of the user like in the below screenshot users 1) Name, 2)ID, 3)Repositories, 4)Name with html link are displayed.