WEB_ICP4

DHARMA TEJA K

Email: dkbmy@umsystem.edu

GitHub Link: https://github.com/Dharmateja183/Web-and-Mobile-programming-spring-2022/tree/main/Webpart/ICP4

Avinash Reddy T

Email: atfkh@umsystem.edu

GitHub link: https://github.com/avinashreddy3/WebDevCourse/tree/main/WebPart/ICP4

In Class Programming:

1. GitHub User Finder

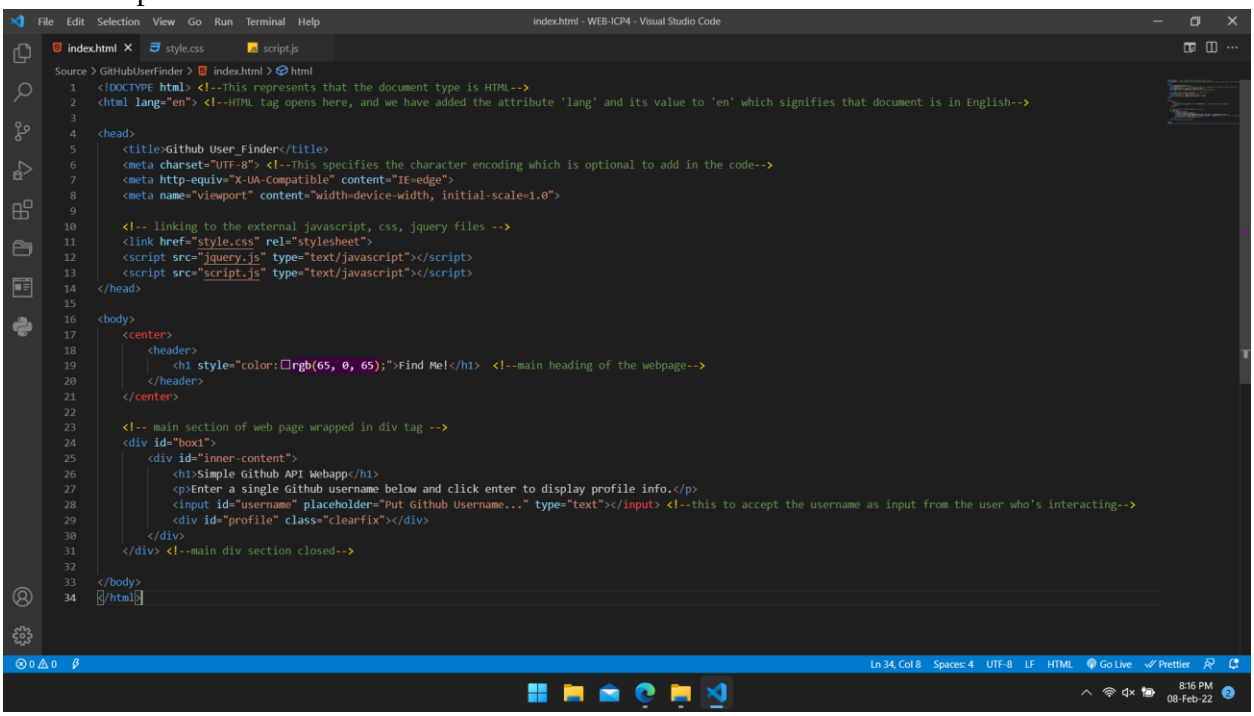
GitHub is a web-based interface and open source software that lets multiple people make separate changes to web pages at the same time. GitHub encourages teams to work together to build and edit their site content.

Here, we produced a web application which makes the call to GitHub API and to displays the display user's account details like name, user id, profile picture, user's GitHub link.

We designed application in such a way that it accepts the username as an input which is taken by input field coded , and by this, the details of that username has to be displayed.

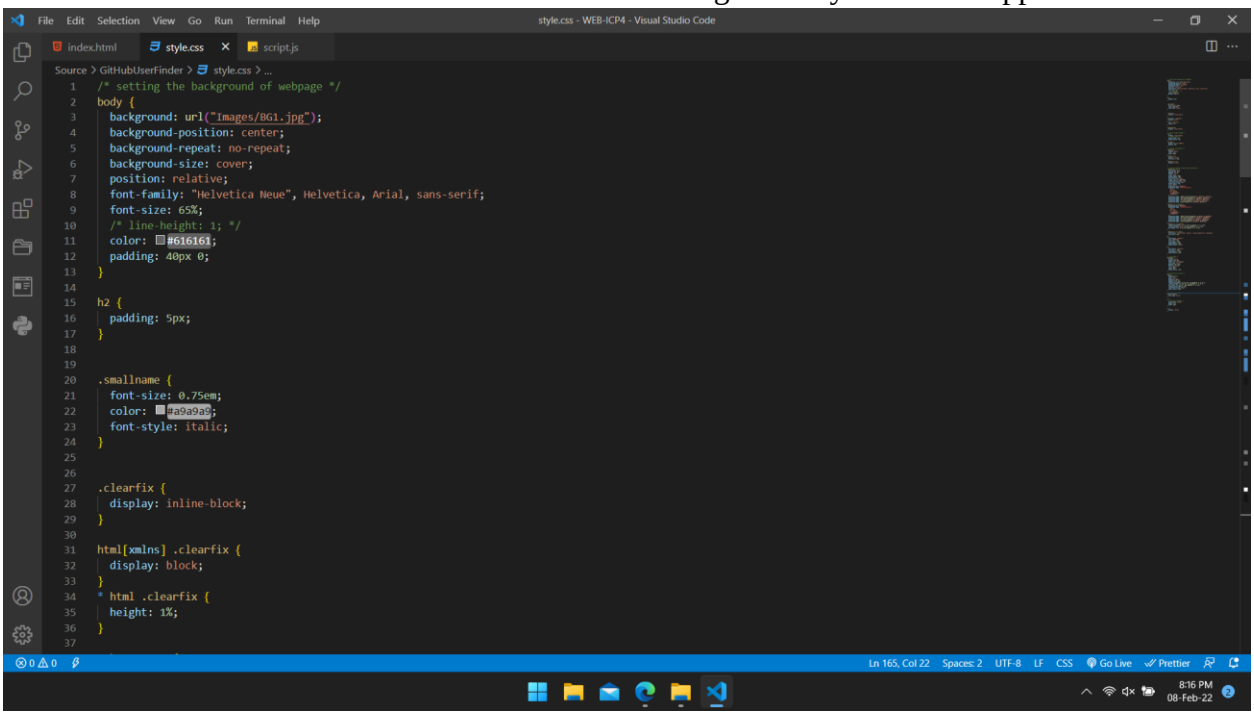
HTML code:

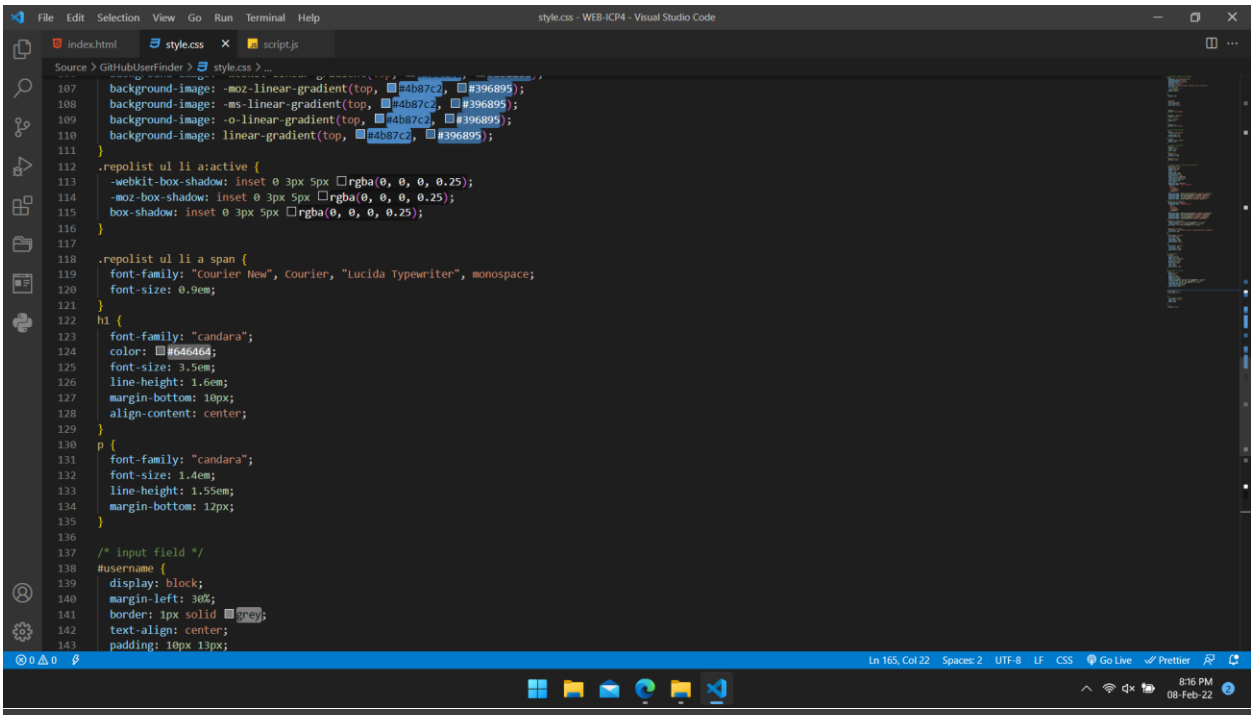
Below snaps shows the HTML code for the reference.

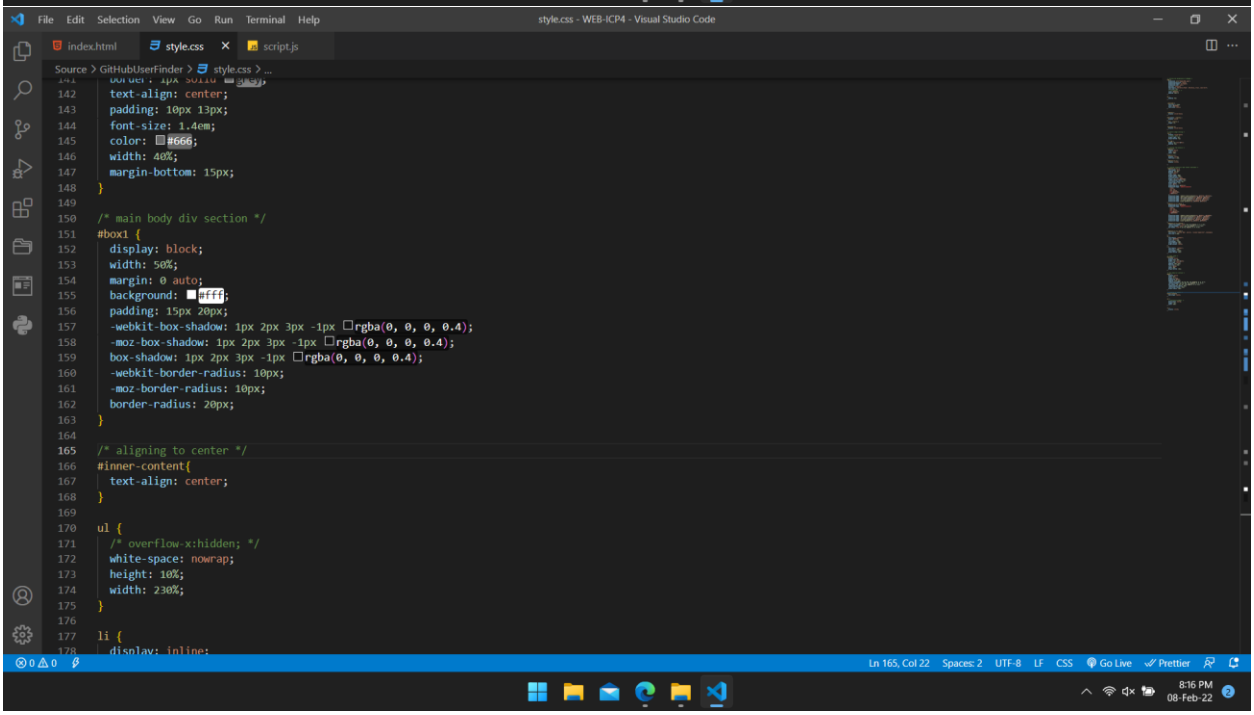


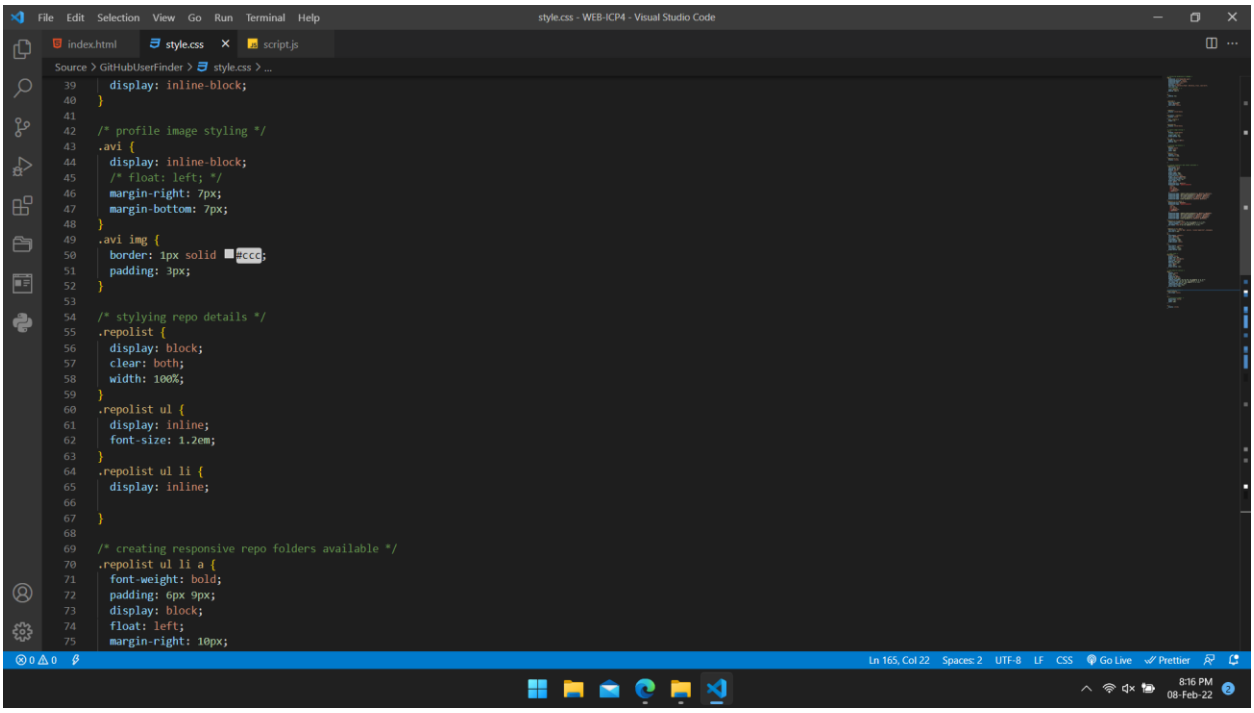
CSS code:

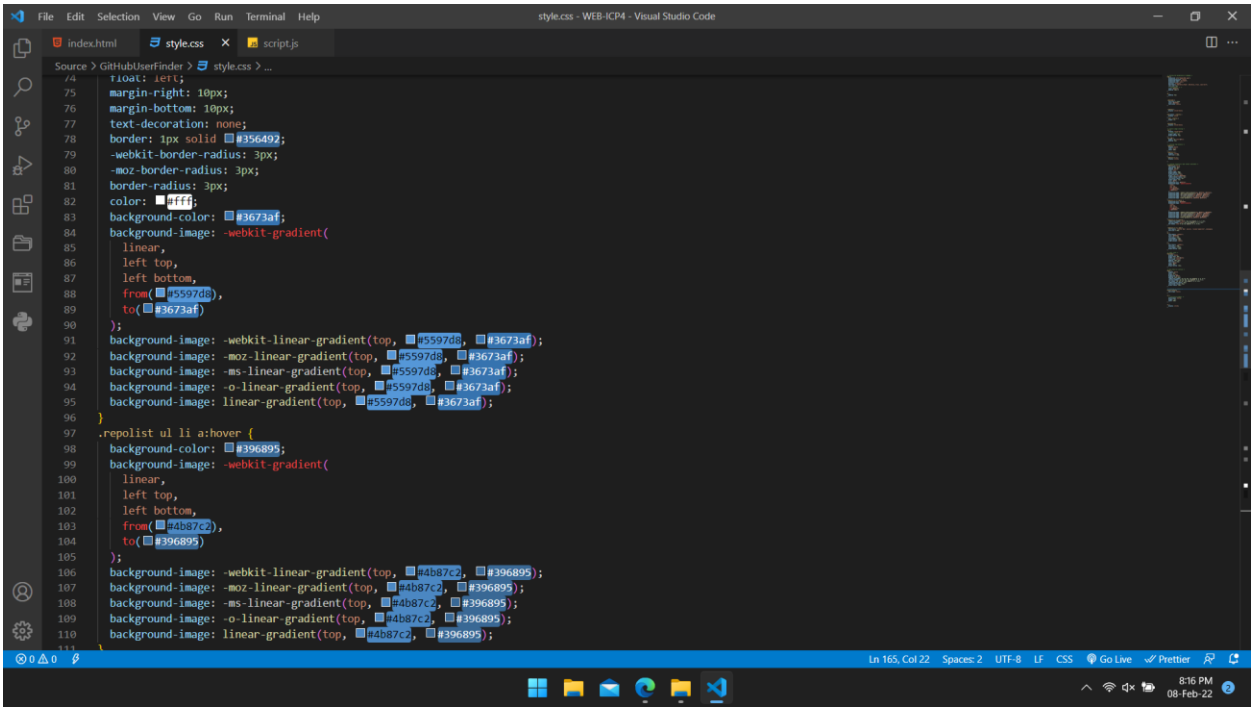
Below the screenshots of css code which is used to design and style our web application.




File Edit Selection View Go Run Terminal Help
style.css - WEB-ICP4 - Visual Studio Code
index.html
style.css
script.js
Source > GitHubUserFinder > style.css > ...
background-image: -moz-linear-gradient(top, #4b87c2, #396895);
background-image: -ms-linear-gradient(top, #4b87c2, #396895);
background-image: -o-linear-gradient(top, #4b87c2, #396895);
background-image: linear-gradient(top, #4b87c2, #396895);
}
.repolist ul li a:active {
-webkit-box-shadow: inset 0 3px 5px rgba(0, 0, 0, 0.25);
-moz-box-shadow: inset 0 3px 5px rgba(0, 0, 0, 0.25);
box-shadow: inset 0 3px 5px rgba(0, 0, 0, 0.25);
}
.repolist ul li a span {
font-family: "Courier New", Courier, "Lucida Typewriter", monospace;
font-size: 0.9em;
}
h1 {
font-family: "candara";
color: #646464;
font-size: 3.5em;
line-height: 1.6em;
margin-bottom: 10px;
align-content: center;
}
p {
font-family: "candara";
font-size: 1.4em;
line-height: 1.55em;
margin-bottom: 12px;
}
/* input field */
#username {
display: block;
margin-left: 30%;
border: 1px solid grey;
text-align: center;
padding: 10px 13px;
Ln 165, Col 22 Spaces: 2 UTF-8 LF CSS Go Live Prettier
8:16 PM
08-Feb-22


File Edit Selection View Go Run Terminal Help
style.css - WEB-ICP4 - Visual Studio Code
index.html
style.css
script.js
Source > GitHubUserFinder > style.css > ...
text-align: center;
padding: 10px 13px;
font-size: 1.4em;
color: #666;
width: 40%;
margin-bottom: 15px;
}
/* main body div section */
#box1 {
display: block;
width: 50%;
margin: 0 auto;
background: #fff;
padding: 15px 20px;
-webkit-box-shadow: 1px 2px 3px -1px rgba(0, 0, 0, 0.4);
-moz-box-shadow: 1px 2px 3px -1px rgba(0, 0, 0, 0.4);
box-shadow: 1px 2px 3px -1px rgba(0, 0, 0, 0.4);
-webkit-border-radius: 10px;
-moz-border-radius: 10px;
border-radius: 20px;
}
/* aligning to center */
#inner-content{
text-align: center;
}
ul {
/* overflow-x:hidden; */
white-space: nowrap;
height: 10%;
width: 230%;
}
li {
display: inline;
Ln 165, Col 22 Spaces: 2 UTF-8 LF CSS Go Live Prettier
8:16 PM
08-Feb-22

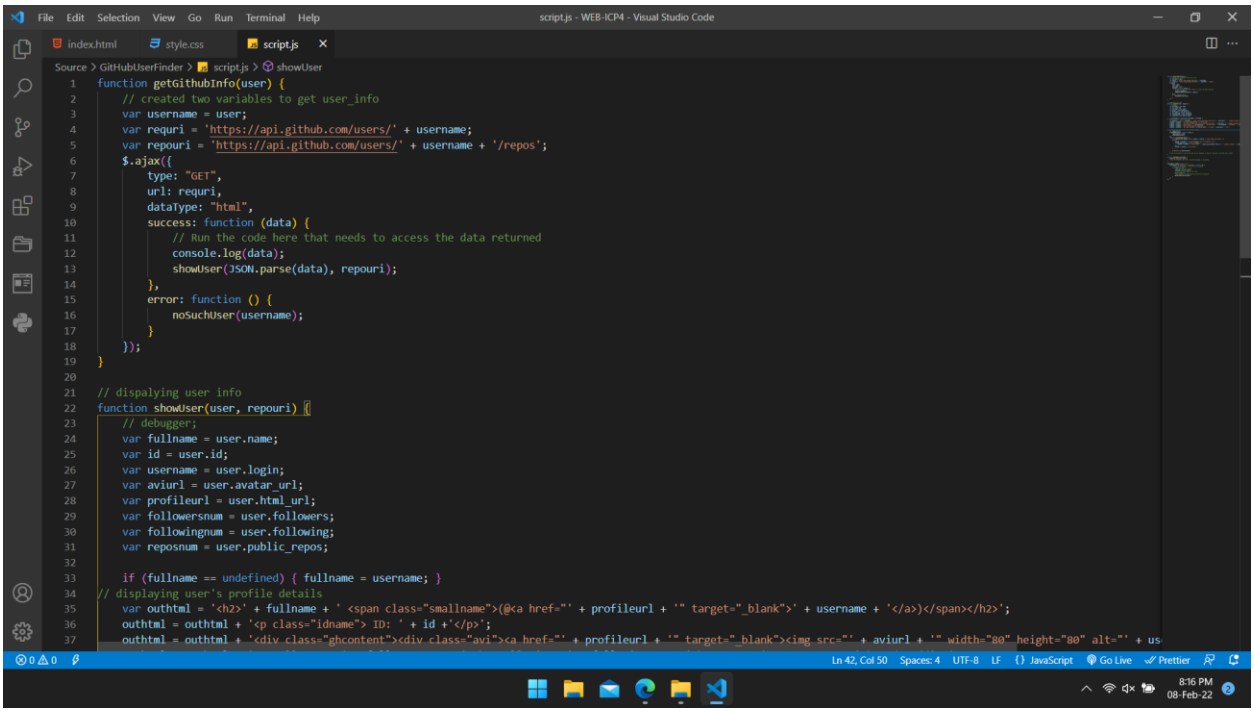

File Edit Selection View Go Run Terminal Help
style.css - WEB-ICP4 - Visual Studio Code
index.html
style.css
script.js
Source > GitHubUserFinder > style.css > ...
display: inline-block;
}
/* profile image styling */
.avi {
display: inline-block;
/* float: left; */
margin-right: 7px;
margin-bottom: 7px;
}
.avi img {
border: 1px solid #ccc;
padding: 3px;
}
/* stylying repo details */
.repolist {
display: block;
clear: both;
width: 100%;
}
.repolist ul {
display: inline;
font-size: 1.2em;
}
.repolist ul li {
display: inline;
}
/* creating responsive repo folders available */
.repolist ul li a {
font-weight: bold;
padding: 6px 9px;
display: block;
float: left;
margin-right: 10px;
Ln 165, Col 22 Spaces: 2 UTF-8 LF CSS Go Live Prettier
8:16 PM
08-Feb-22

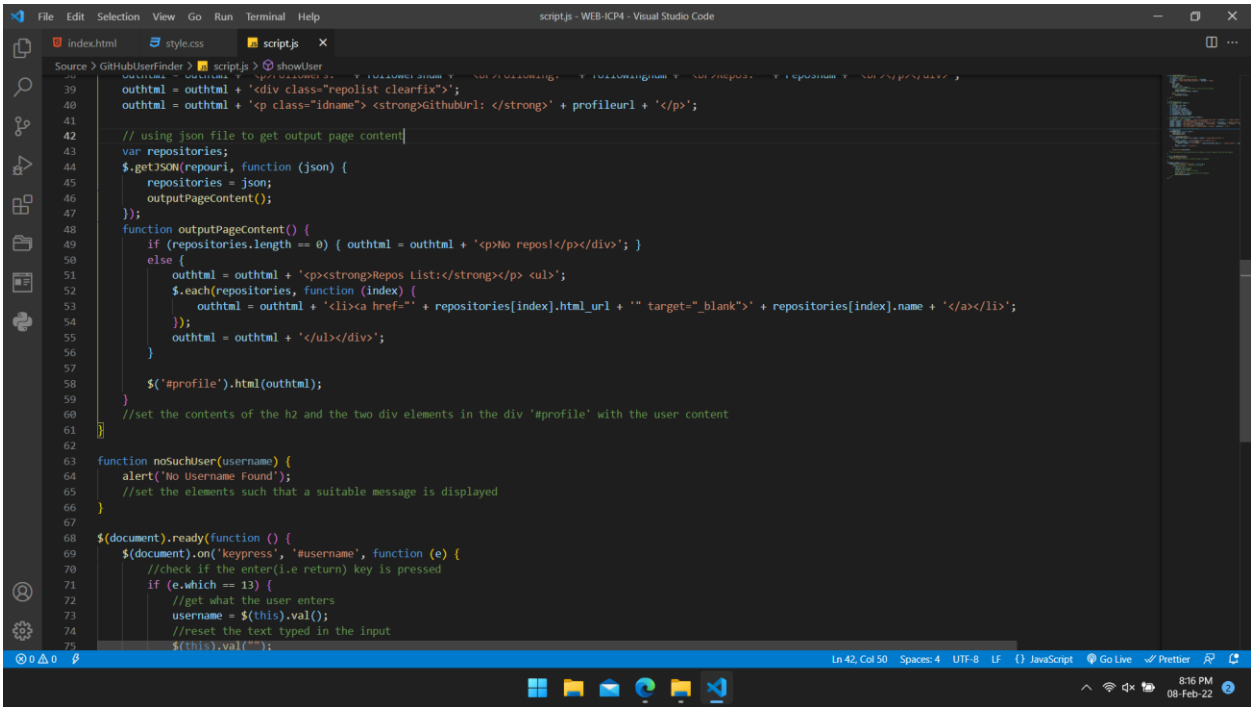

File Edit Selection View Go Run Terminal Help
style.css - WEB-ICP4 - Visual Studio Code
index.html
style.css
script.js
Source > GitHubUserFinder > style.css > ...
float: left;
margin-right: 10px;
margin-bottom: 10px;
text-decoration: none;
border: 1px solid #356492;
-webkit-border-radius: 3px;
-moz-border-radius: 3px;
border-radius: 3px;
color: #fff;
background-color: #3673af;
background-image: -webkit-gradient(
linear,
left top,
left bottom,
from(#5597d8),
to(#3673af)
);
background-image: -webkit-linear-gradient(top, #5597d8, #3673af);
background-image: -moz-linear-gradient(top, #5597d8, #3673af);
background-image: -ms-linear-gradient(top, #5597d8, #3673af);
background-image: -o-linear-gradient(top, #5597d8, #3673af);
background-image: linear-gradient(top, #5597d8, #3673af);
}
.repolist ul li a:hover {
background-color: #396895;
background-image: -webkit-gradient(
linear,
left top,
left bottom,
from(#4b87c2),
to(#396895)
);
background-image: -webkit-linear-gradient(top, #4b87c2, #396895);
background-image: -moz-linear-gradient(top, #4b87c2, #396895);
background-image: -ms-linear-gradient(top, #4b87c2, #396895);
background-image: -o-linear-gradient(top, #4b87c2, #396895);
background-image: linear-gradient(top, #4b87c2, #396895);
Ln 165, Col 22 Spaces: 2 UTF-8 LF CSS Go Live Prettier
8:16 PM
08-Feb-22

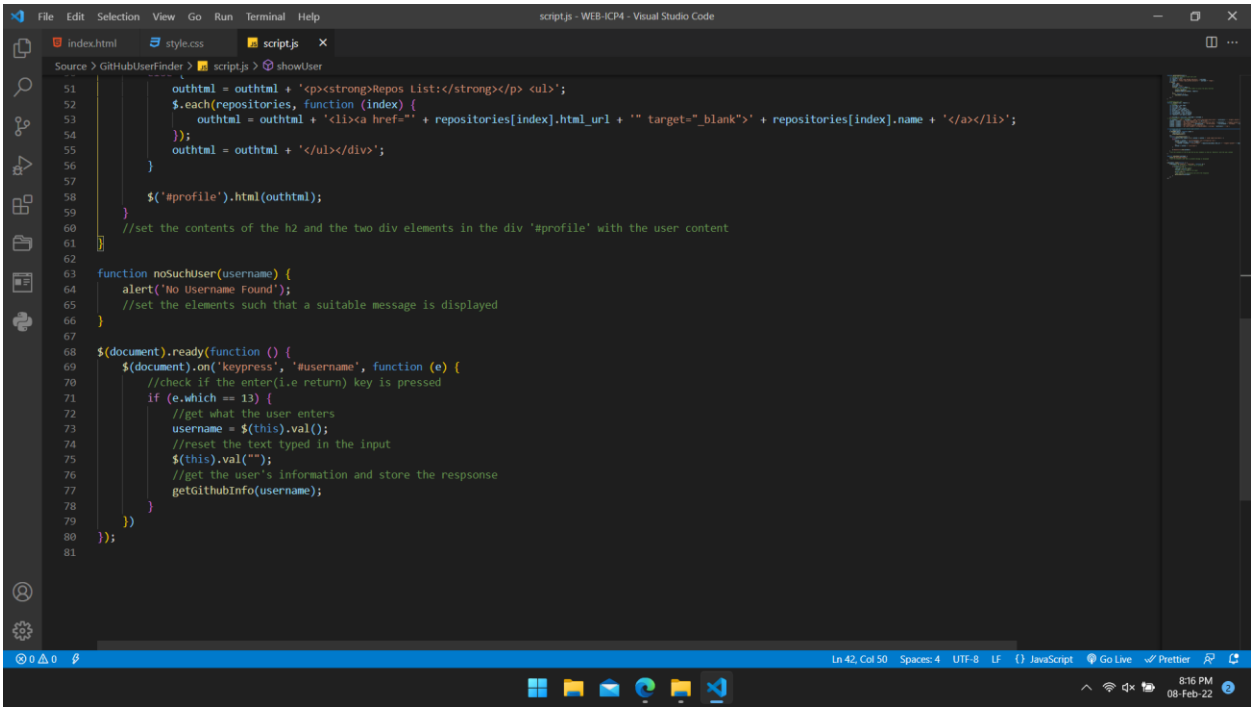
JAVASCRIPT code:

Below are the snippets of our js code which is commented as well for the reference.

This was coded to make our web application or webpage interactive and responsive to the user.

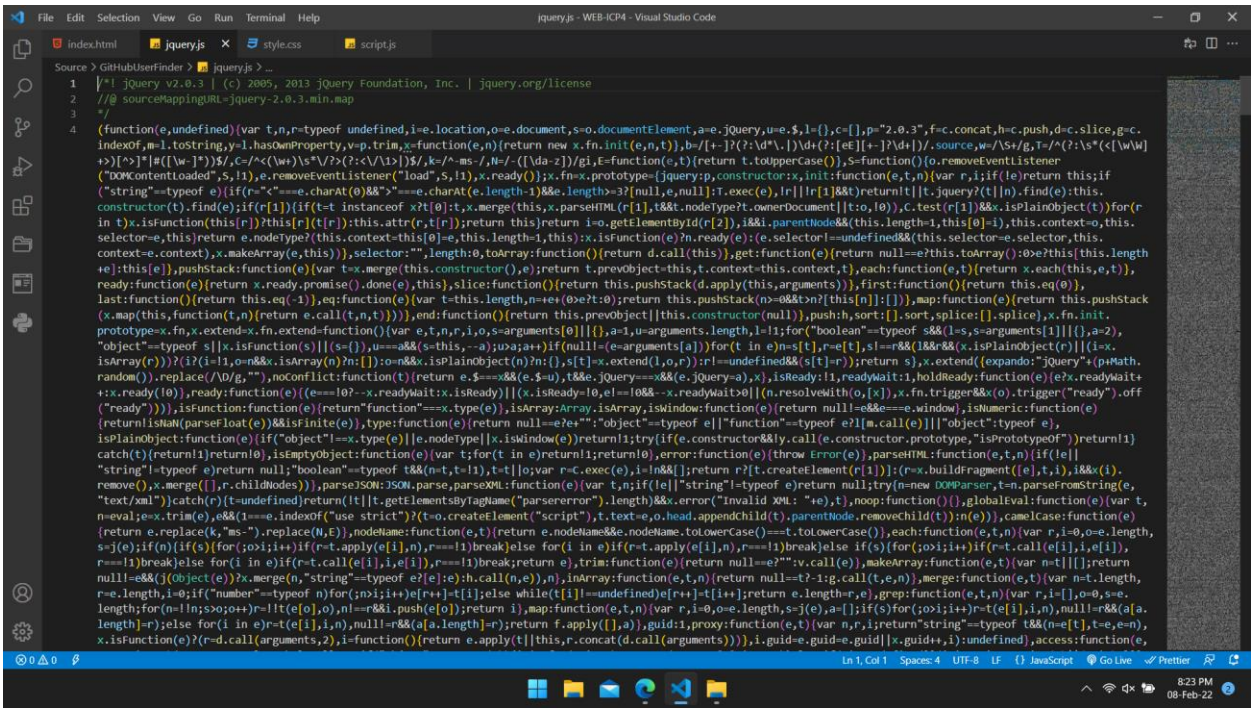






JQUERY file:

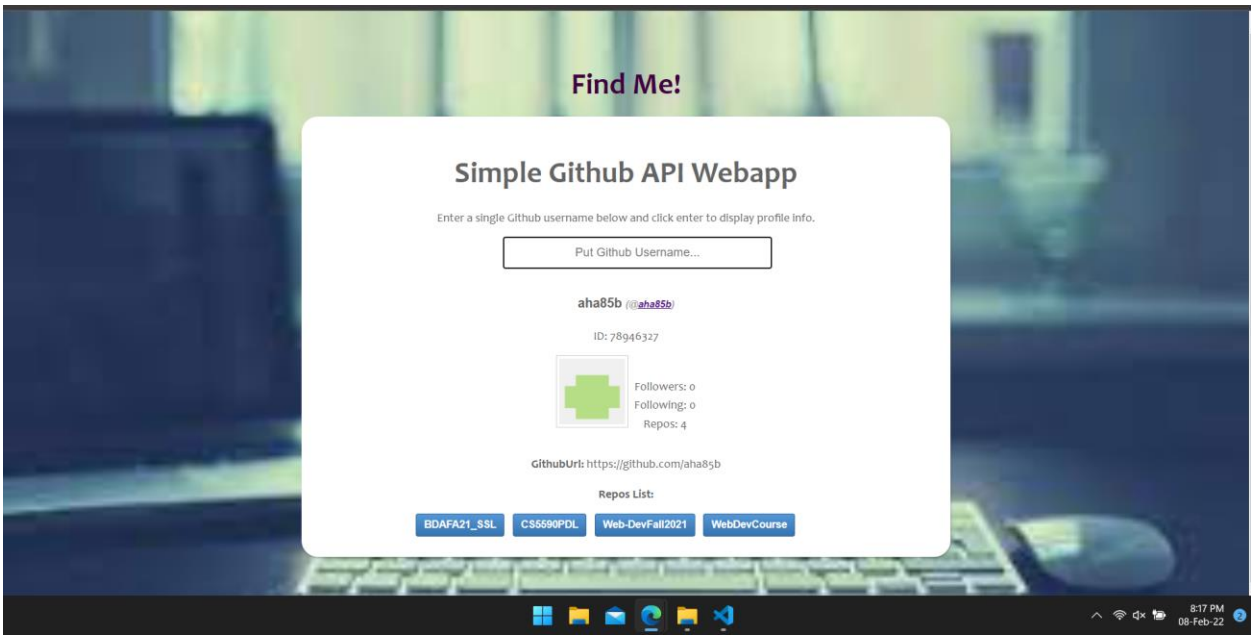
JQuery is an open-source JavaScript library. It is lightweight and helps when we have to write less and do more.



OUTPUT's

Here user enters the particular username as per the choice.

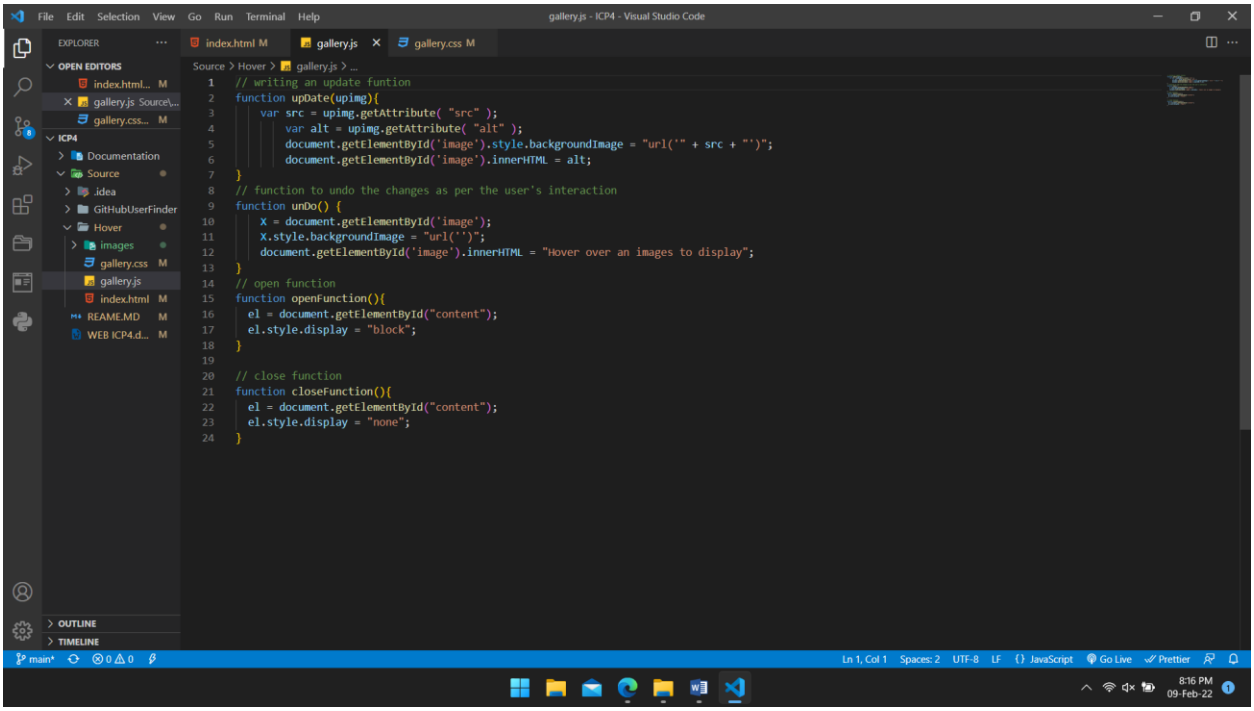
Details are displayed as we designed.



2. Hover

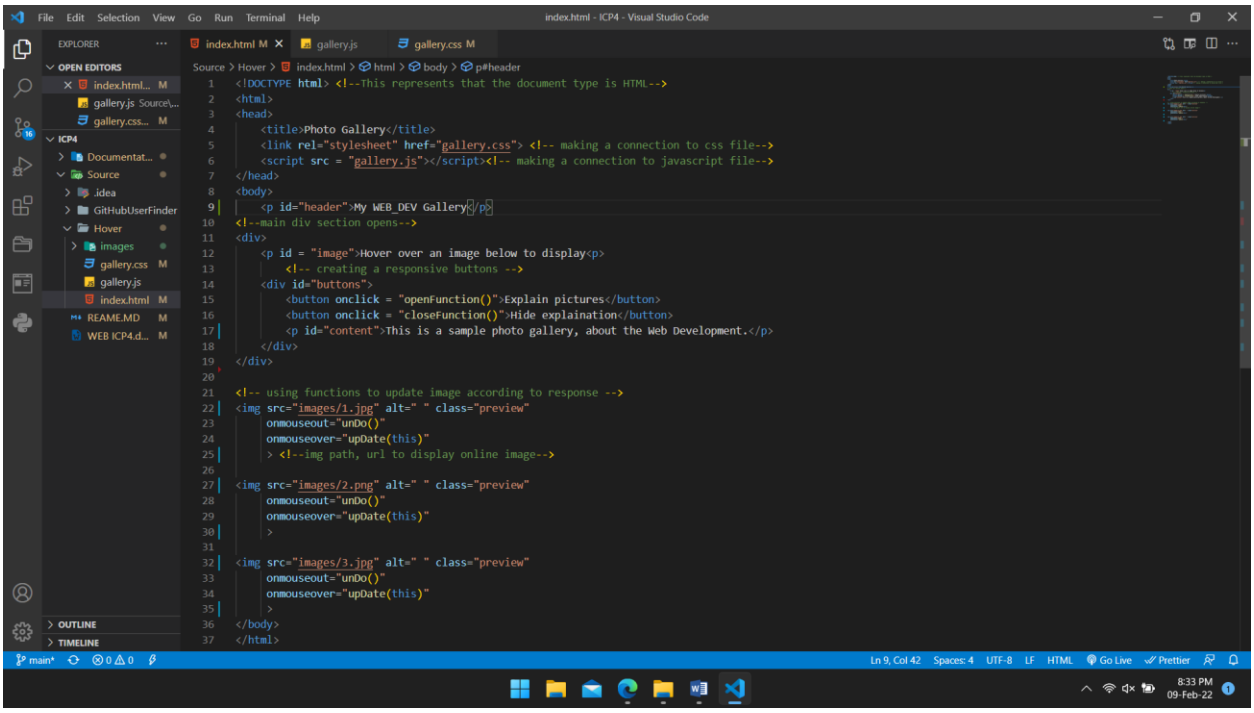
This is about the simple web application of photo gallery of web development.

JAVASCRIPT code:



```javascript
// writing an update funtion
function upDate(upimg){
    var src = upimg.getAttribute( "src" );
        var alt = upimg.getAttribute( "alt" );
        document.getElementById('image').style.backgroundImage = "url('" + src + "')";
        document.getElementById('image').innerHTML = alt;
}
// function to undo the changes as per the user's interaction
function unDo() {
    X = document.getElementById('image');
    X.style.backgroundImage = "url('')";
    document.getElementById('image').innerHTML = "Hover over an images to display";
}
// open function
function openFunction(){
  el = document.getElementById("content");
  el.style.display = "block";
}

// close function
function closeFunction(){
  el = document.getElementById("content");
  el.style.display = "none";
}
```

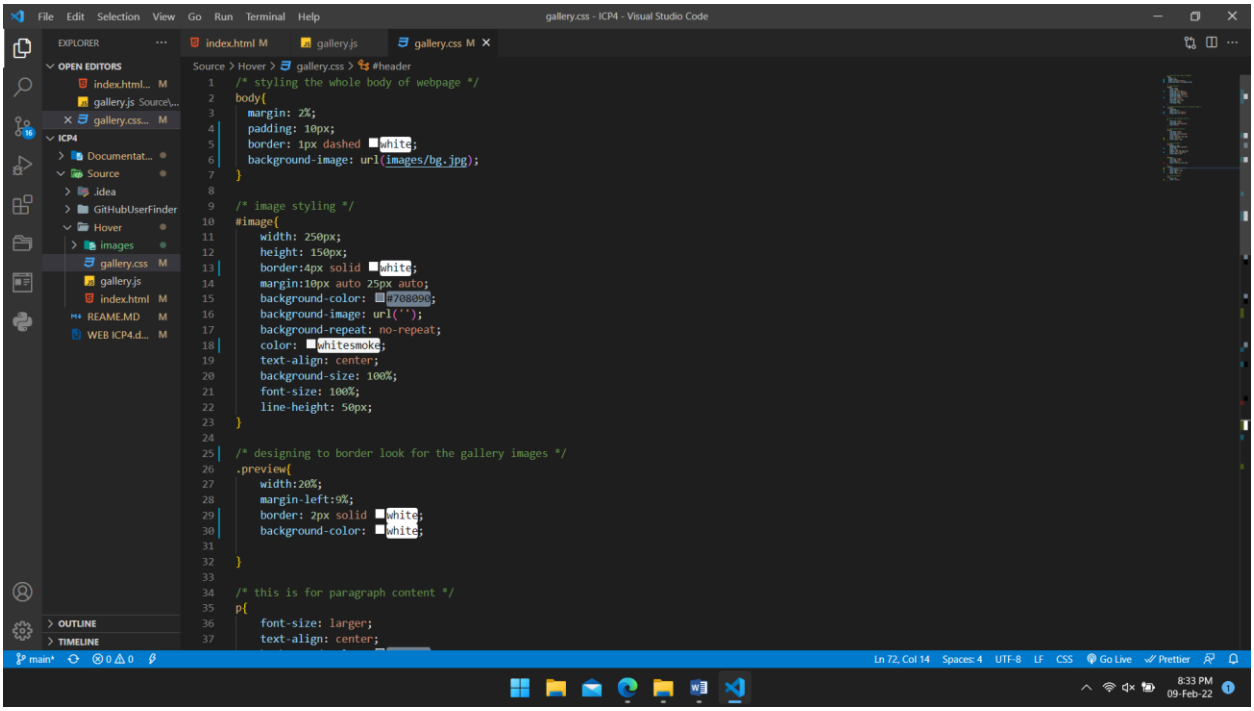
HTML code:



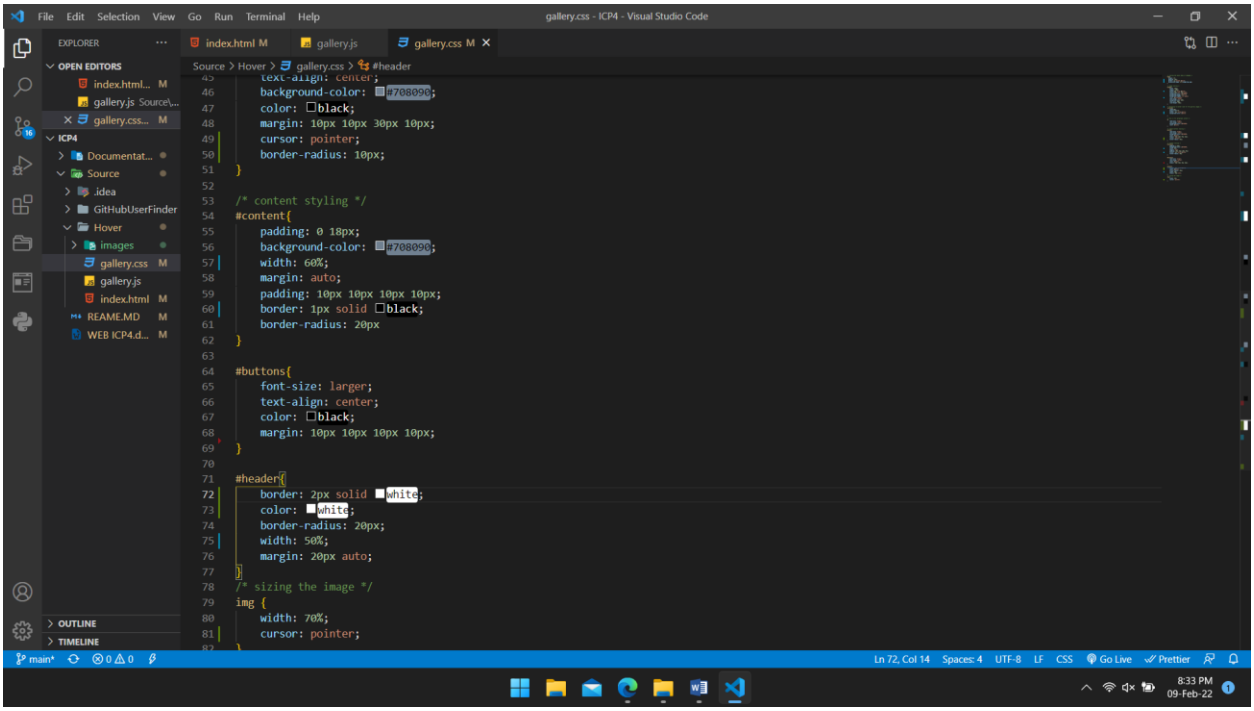
```html
<!DOCTYPE html> <!--This represents that the document type is HTML-->
<html>
<head>
    <title>Photo Gallery</title>
    <link rel="stylesheet" href="gallery.css"> <!-- making a connection to css file-->
    <script src = "gallery.js"></script><!-- making a connection to javascript file-->
</head>
<body>
    <p id="header">My WEB_DEV Gallery</p>
<!--main div section opens-->
<div>
    <p id = "image">Hover over an image below to display<p>
        <!-- creating a responsive buttons -->
    <div id="buttons">
        <button onclick = "openFunction()">Explain pictures</button>
        <button onclick = "closeFunction()">Hide explaination</button>
        <p id="content">This is a sample photo gallery, about the Web Development.</p>
    </div>
</div>

<!-- using functions to update image according to response -->
<img src="images/1.jpg" alt=" " class="preview"
    onmouseout="unDo()"
    onmouseover="upDate(this)"
    > <!--img path, url to display online image-->

<img src="images/2.png" alt=" " class="preview"
    onmouseout="unDo()"
    onmouseover="upDate(this)"
    >

<img src="images/3.jpg" alt=" " class="preview"
    onmouseout="unDo()"
    onmouseover="upDate(this)"
    >
</body>
</html>
```

CSS code:

Below is code that is styling our photo gallery.



```css
/* styling the whole body of webpage */
body{
  margin: 2%;
  padding: 10px;
  border: 1px dashed white;
  background-image: url(images/bg.jpg);
}

/* image styling */
#image{
    width: 250px;
    height: 150px;
    border:4px solid white;
    margin:10px auto 25px auto;
    background-color: #708090;
    background-image: url('');
    background-repeat: no-repeat;
    color: whitesmoke;
    text-align: center;
    background-size: 100%;
    font-size: 100%;
    line-height: 50px;
}

/* designing to border look for the gallery images */
.preview{
    width:20%;
    margin-left:9%;
    border: 2px solid white;
    background-color: white;

}

/* this is for paragraph content */
p{
    font-size: larger;
    text-align: center;
```



```css
    text-align: center;
    background-color: #708090;
    color: black;
    margin: 10px 10px 30px 10px;
    cursor: pointer;
    border-radius: 10px;
}

/* content styling */
#content{
    padding: 0 18px;
    background-color: #708090;
    width: 60%;
    margin: auto;
    padding: 10px 10px 10px 10px;
    border: 1px solid black;
    border-radius: 20px
}

#buttons{
    font-size: larger;
    text-align: center;
    color: black;
    margin: 10px 10px 10px 10px;
}

#header{
    border: 2px solid white;
    color: white;
    border-radius: 20px;
    width: 50%;
    margin: 20px auto;
}
/* sizing the image */
img {
    width: 70%;
    cursor: pointer;
}
```

OUTPUT's

Showed the two buttons, explain and hide explanation of photo gallery.

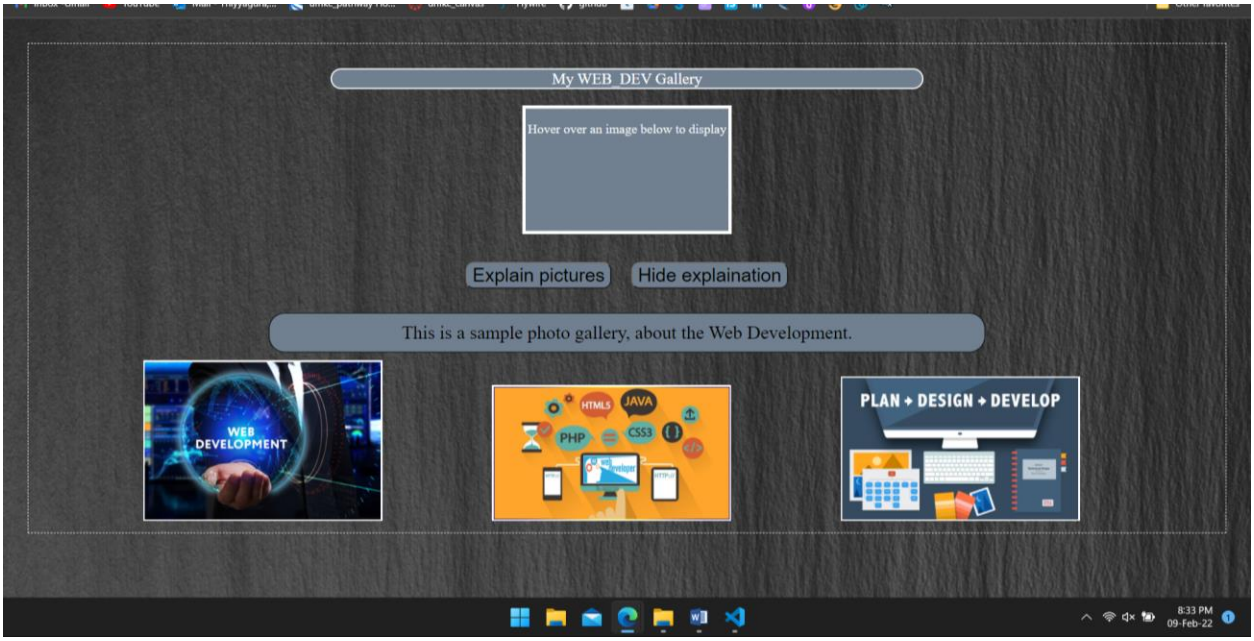


Image displayed when we hover the on particular.