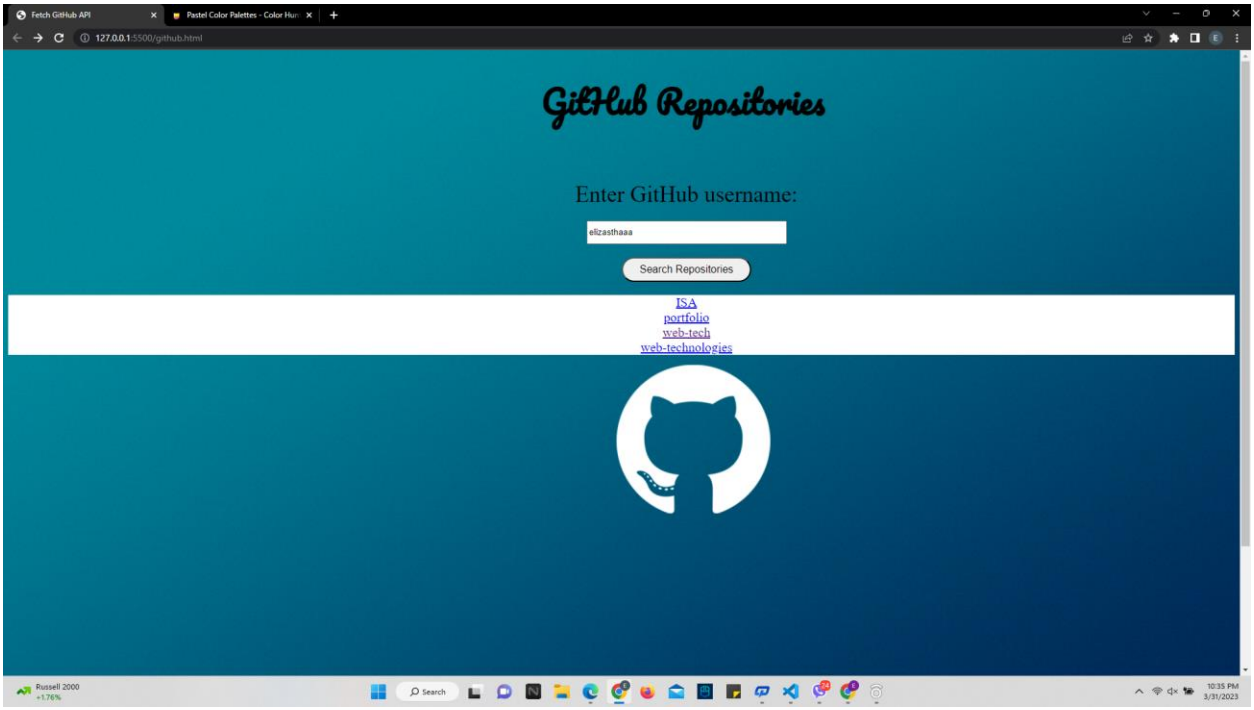
Hands – On Lab

Workshop 5

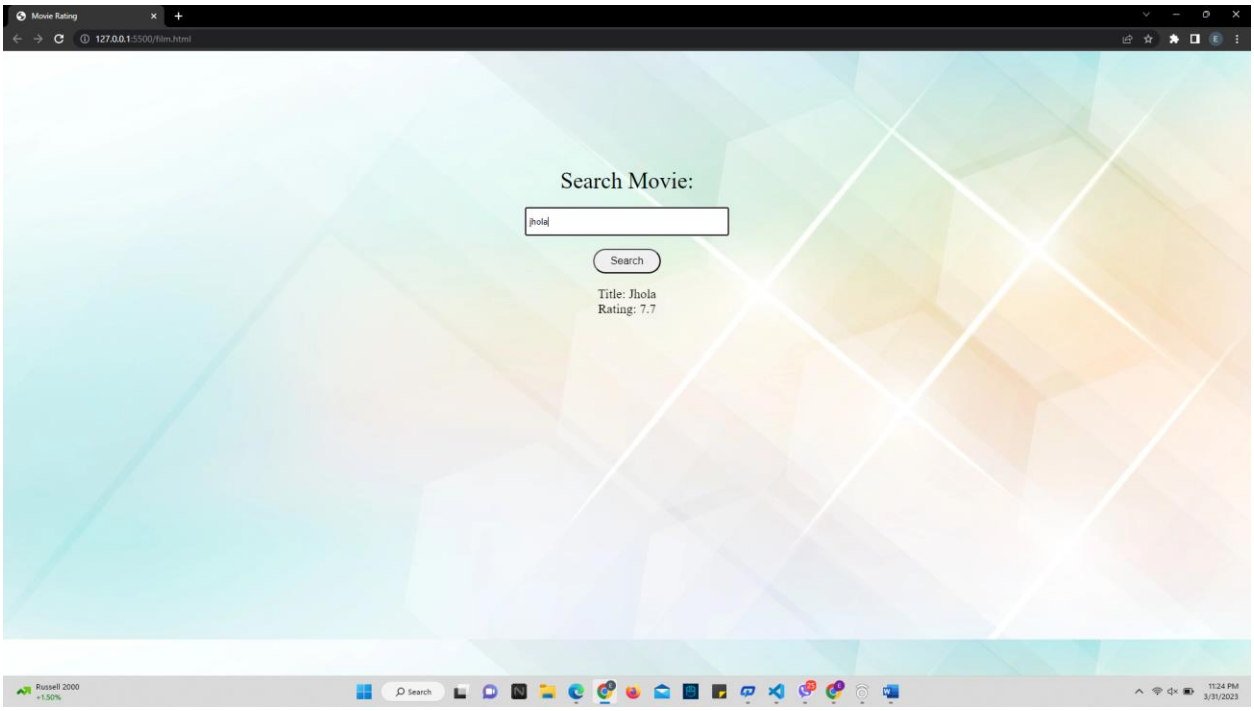
1. Create a web page that displays a list of GitHub repositories for a given user. The web page should have an input field where the user can enter a GitHub username. When the user clicks a "search" button, the page should use the GitHub API to retrieve the repositories for that user and display them in a list on the page. (https://api.github.com/users/${username}/repos)

```html
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <style>
        @import url('https://fonts.googleapis.com/css2?family=Pacifico&display=swap');

        .title {
            text-align: center;
            font-family: 'Pacifico', cursive;
            padding-left: 190px;
            font-size: 50px;

        }


        body {
            height: 100vh;
            background-image: url(11.png);
            background-size: cover;
            height: 120vh;
            width: auto;

        }

        .contents{
            text-align: center;
            margin-top: 80px;
            padding-right: 100px;
            padding-left: 300px;
            font-size: 35px;


        }

        #gitHubUsername{
            width: 300px;
            height: 30px;
            margin-top: 20px;

        }

        #search{
  font-size: 16px;
  font-weight: 500;
  padding: 8px 25px;
  border-radius: 40px;
  display: inline-block;
  white-space: nowrap;
  transition: all 0.3s ease;
  margin-top: 20px;
}

#search:hover{
  transform: scale(1.2);
  background-color: #B4E4FF;
}


#repositories{
    text-align: center;
    padding-left: 200px;
    font-size: 20px;
    background-color: white;

}



    </style>
    <title>Fetch GitHub API</title>
</head>

<body>
    <h1 class="title">GitHub Repositories</h1>
    <div class="contents">
        <label for="username">Enter GitHub username:</label><br>
        <input id="gitHubUsername" type="text"><br>
        <button id="search" value="search" onclick="getRepositories()">Search Repositories</button>
    </div>

    <p id="repositories">

    <script>
function getRepositories() {
  const username = document.getElementById('gitHubUsername').value;
  fetch(`https://api.github.com/users/${username}/repos`)
    .then((response) => response.json())
    .then((data) => {
      let repositoriesHTML = '';
      data.forEach((repo) => {
        repositoriesHTML += `<a href="${repo.html_url}">${repo.name}</a><br>`;
      });
      repositories.innerHTML = repositoriesHTML;
    })
    .catch(error => {
      console.error(error);
      repositories.innerHTML = `Error: ${error.message}`;
    });
}

    </script>
    </p>
</body>

</html>
```


Fetch GitHub API
Pastel Color Palettes - Color Hun
127.0.0.1:5500/github.html
GitHub Repositories
Enter GitHub username:
elizasthaaa
Search Repositories
ISA
portfolio
web-tech
web-technologies
Russell 2000
+1.76%
Search
10:35 PM
3/31/2023

2. create a web application that displays information about a specific movie. You can use the OMDB API to retrieve the movie data in JSON format. Create a JavaScript function that uses async/await to retrieve the movie data for a given title and displays it on the page (https://www.omdbapi.com/?t=${title}&apikey=${apiKey})

```html
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Movie Rating</title>
    <style>
      body {
        display: flex;
        background-image: url(film.webp);
        justify-content: center;
        align-items: center;
        margin-top: 100px;
      }

      input {
        padding: 5px;
        width: 200px;
      }

      .contents {
        text-align: center;
        margin-top: 80px;
        font-size: 35px;
      }

      #name {
        width: 300px;
        height: 30px;
        margin-top: 20px;
      }

      #search {
        font-size: 16px;
        font-weight: 500;
        padding: 8px 25px;
        border-radius: 40px;
        display: inline-block;
        white-space: nowrap;
        transition: all 0.3s ease;
        margin-top: 20px;
      }

      #search:hover {
        transform: scale(1.2);
        background-color: #b4e4ff;
      }

      #result {
        text-align: center;
        margin-top: 20px;
        font-size: 20px;
      }

      #container {
        display: flex;
        flex-direction: column;
        align-items: center;
      }
    </style>
  </head>
  <body>
    <div id="container">
      <div class="contents">
        <label for="name">Search Movie:</label><br />
        <input id="name" type="text" /><br />
        <button id="search" value="search" onclick="searchMovie()">Search</button>
      </div>

      <div id="result"></div>
    </div>

    <script>
      async function searchMovie() {
        const searchInput = document.getElementById("name");
        const searchValue = searchInput.value.trim();

        document.getElementById("result").innerHTML = "";

        const apiKey = "b4cdfba7";
        const url = `https://www.omdbapi.com/?t=${searchValue}&apikey=${apiKey}`;

        try {
          const response = await fetch(url);
          const data = await response.json();
          console.log(data);

          const resultDiv = document.getElementById("result");
          resultDiv.innerHTML = `Title: ${data.Title} <br /> Rating: ${
            data.imdbRating
          } <br />`;
        } catch (error) {
          console.error(error);

          const resultDiv = document.getElementById("result");
          resultDiv.innerHTML = `Error: ${error.message}`;
        }
      }
    </script>
  </body>
</html>

```


Movie Rating
127.0.0.1:5500/film.html
Search Movie:
jhola
Search
Title: Jhola
Rating: 7.7
Russell 2000
+1.50%
Search
11:24 PM
3/31/2023