index.html

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

<head>
  <meta charset='utf-8'>
  <meta name='viewport' content='width=device-width, initial-scale=1'>

  <title>Assignment 2</title>
  <meta name='author' content='Pratik Pingale'>
  <meta name='description' content='Assignment 2'>

  <meta property='og:title' content='Assignment 2'>
  <meta property='og:type' content='website'>
  <meta property='og:url' content='https://'>
  <meta property='og:description' content='Assignment 2'>
  <meta property='og:image' content='./assets/preview.png'>

  <link rel='icon' href='./assets/favicon.ico'>
  <link rel='icon' href='./assets/favicon.svg' type='image/svg+xml'>
  <link rel='apple-touch-icon' href='./assets/apple-touch-icon.png'>

  <link rel='stylesheet' href='./css/style.css'>
  <script src='./js/main.js' defer></script>

  <style>
    h1 {
      text-decoration: underline;
      color: var(--dark-green);
    }
  </style>
</head>

<body>
  <h1 style='text-align: center;'>Site Case Study</h1>
  <table>
    <thead>
      <th>Sr.No.</th>
      <th>Website Url</th>
      <th>Purpose of Website</th>
      <th>Things liked in Website</th>
      <th>Things disliked in Website</th>
      <th>Overall evaluation of website</th>
    </thead>

    <tbody>
      <tr>
        <td>1.</td>
        <td>
          <a class='site-info' href='https://www.hackerrank.com/'>
            <img class='site-logo' src='assets/HackerRank.png' alt='HackerRank'>
            <h3 class='site-title'>HackerRank</h3>
          </a>
        </td>
        <td>
          <ul>
            <li>
              For Companies:
              <ul>
                <li>They are the market-leading technical interview platform to identify and hire developers wherever
                  they are.</li>
              </ul>
            </li>

            <li>
              For Job Seekers:
              <ul>
                <li>We can join over 18 million developers, practice coding skills, prepare for Interviews and get
                  hired.</li>
              </ul>
            </li>
```

```html
        </ul>
      </td>
      <td>
        <ul>
          <li>Hackerrank helps in imporving coding skills.</li>
          <li>It provides a platform to practice for Interviews.</li>
        </ul>
      </td>
      <td>
        <ul>
          <li>It lacks plagarism detection.</li>
          <li>Inaccurate coding exercises and unstable connection during interviews.</li>
        </ul>
      </td>
      <td>Good</td>
    </tr>
    <tr>
      <td>2.</td>
      <td>
        <a class='site-info' href='https://github.com/'>
          <img class='site-logo' src='assets/GitHub.png' alt='GitHub'>
          <h3 class='site-title'>GitHub</h3>
        </a>
      </td>
      <td>
        <ul>
          <li>Millions of developers and companies build, ship, and maintain their software on GitHub.</li>
          <li>It is the largest and most advanced development platform in the world.</li>
        </ul>
      </td>
      <td>
        <ul>
          <li>It helps in storing our own code with proper licencing.</li>
          <li>We can contribute to projects of other developers.</li>
        </ul>
      </td>
      <td>
        <ul>
          <li>GitHub does offer private repositories, but this isn't necessarily perfect for many</li>
          <li>For high value intellectual property, you're putting all of this in the hands of GitHub as well as
            anyone who has a login, which like many sites has had security breaches before and is targeted constantly.
          </li>
        </ul>
      </td>
      <td>Good</td>
    </tr>
    <tr>
      <td>3.</td>
      <td>
        <a class='site-info' href='https://www.youtube.com/'>
          <img class='site-logo' src='assets/YouTube.png' alt='YouTube'>
          <h3 class='site-title'>YouTube</h3>
        </a>
      </td>
      <td>
        <ul>
          <li>YouTube is a free video sharing website that makes it easy to watch online videos.</li>
          <li>You can even create and upload your own videos to share with others.</li>
        </ul>
      </td>
      <td>
        <ul>
          <li>YouTube gives you the opportunity to earn money through your videos.</li>
          <li>It is an easy way to share information related to videos, music, comedy.</li>
        </ul>
      </td>
      <td>
        <ul>
          <li>Everything on YouTube is public.</li>
          <li>YouTube has many rules which restrict what you can do within your channel.</li>
        </ul>
      </td>
      <td>Good</td>
```

```html
      </tr>
      <tr>
        <td>4.</td>
        <td>
          <a class='site-info' href='https://stackoverflow.com/'>
            <img class='site-logo' src='assets/StackOverflow.png' alt='StackOverflow'>
            <h3 class='site-title'>StackOverflow</h3>
          </a>
        </td>
        <td>
          <ul>
            <li>
              For Teams:
              <ul>
                <li>It is a private collaboration & knowledge sharing SaaS platform for companies.</li>
                <li>It is a web-based platform to increase productivity, decrease cycle times, accelerate time to
                  market, and protect institutional knowledge.</li>
              </ul>
            </li>

            <li>
              For Developers:
              <ul>
                <li>It is a public platform building the definitive collection of coding questions & answers.</li>
                <li>It is a community-based space to find and contribute answers to technical challenges, and one of the
                  most popular websites in the world.</li>
              </ul>
            </li>
          </ul>
        </td>
        <td>
          <ul>
            <li>It benefits your online reputation, which is important to potential employers, customers and clients.
            </li>
            <li>It builds a network of technologists you can reach out to.</li>
          </ul>
        </td>
        <td>
          <ul>
            <li>A large number of posters are either selfish deadbeats or totally clueless.</li>
          </ul>
        </td>
        <td>Good</td>
      </tr>
      <tr>
        <td>5.</td>
        <td>
          <a class='site-info' href='https://www.reddit.com/'>
            <img class='site-logo' src='assets/Reddit.png' alt='Reddit'>
            <h3 class='site-title'>Reddit</h3>
          </a>
        </td>
        <td>
          <ul>
            <li>Reddit is home to thousands of communities, endless conversation, and authentic human connection.</li>
            <li>Whether you're into breaking news, sports, TV fan theories, or a never-ending stream of the internet's
              cutest animals, there's a community on Reddit for you.</li>
          </ul>
        </td>
        <td>
          <ul>
            <li>Extremely easy to use.</li>
            <li>Not as focused on mainstream news headlines.</li>
          </ul>
        </td>
        <td>
          <ul>
            <li>User cliques can quickly bury articles they don't agree with.</li>
            <li>Mostly unmoderated, so some titles could be not safe for work.</li>
          </ul>
        </td>
        <td>Good</td>
      </tr>
```

```html
<tr>
  <td>6.</td>
  <td>
    <a class='site-info' href='https://open.spotify.com/'>
      <img class='site-logo' src='assets/Spotify.png' alt='Spotify'>
      <h3 class='site-title'>Spotify</h3>
    </a>
  </td>
  <td>
    <ul>
      <li>Spotify is a digital music service that gives you access to millions of songs.</li>
      <li>Basic functions such as playing music are totally free.</li>
    </ul>
  </td>
  <td>
    <ul>
      <li>Spotify allows users to create their own playlists which can be found conveniently by using the search
        feature.</li>
      <li>You can access its vast music library of "over 40 million tracks," whether you're a free and Premium
        user.</li>
    </ul>
  </td>
  <td>
    <ul>
      <li>you'll have to pay every month irrespective of whether or not you're using the service</li>
      <li>Available juts within a small number of countries.</li>
    </ul>
  </td>
  <td>Good</td>
</tr>
<tr>
  <td>7.</td>
  <td>
    <a class='site-info' href='https://www.deviantart.com/'>
      <img class='site-logo' src='assets/DeviantArt.png' alt='DeviantArt'>
      <h3 class='site-title'>DeviantArt</h3>
    </a>
  </td>
  <td>
    <ul>
      <li>DeviantArt is the largest online social network for artists and art enthusiasts.</li>
      <li>It is a platform for emerging and established artists to exhibit, promote, and share their works with an
        enthusiastic, art-centric community</li>
    </ul>
  </td>
  <td>
    <ul>
      <li>Very easy layout system. It also has the best comment system out of all the other art-related sites.
      </li>
      <li>A great extension of the site to get your thoughts out there and interact with the community around you.
      </li>
    </ul>
  </td>
  <td>
    <ul>
      <li>It can be hard to get noticed.</li>
      <li>If you're an artist who specializes more with original art over fan art, it can be next tom impossible
        to get your original art noticed unless you built a reputation off of fan art and gradually started
        incorporating your Original Art.</li>
    </ul>
  </td>
  <td>Good</td>
</tr>
<tr>
  <td>8.</td>
  <td>
    <a class='site-info' href='https://www.wikipedia.org/'>
      <img class='site-logo' src='assets/Wikipedia.png' alt='Wikipedia'>
      <h3 class='site-title'>Wikipedia</h3>
    </a>
  </td>
  <td>
    <ul>
```

```html
      <li>Wikipedia is an online free content encyclopedia project where everyone can freely share in the sum of
        all knowledge.</li>
      <li>Wikipedia is written collaboratively by largely anonymous volunteers.</li>
    </ul>
  </td>
  <td>
    <ul>
      <li>Wikipedia is completely free, providing access to information on millions of topics to anyone with
        Internet capabilities.</li>
      <li>Wikipedia is constantly updated by the hour. In comparison, print encylopedias are usually updated
        annually.</li>
    </ul>
  </td>
  <td>
    <ul>
      <li>Anyone can create, edit, or delete Wikipedia articles.</li>
      <li>Wikipedia articles cannot be considered scholarly, because we know nothing about the contributors.</li>
    </ul>
  </td>
  <td>Good</td>
</tr>
<tr>
  <td>9.</td>
  <td>
    <a class='site-info' href='https://www.amazon.com/'>
      <img class='site-logo' src='assets/Amazon.png' alt='Amazon'>
      <h3 class='site-title'>Amazon</h3>
    </a>
  </td>
  <td>
    <ul>
      <li>Amazon is an American multinational technology company which focuses on e-commerce, cloud computing,
        digital streaming, and artificial intelligence.</li>
      <li>It has been referred to as 'one of the most influential economic and cultural forces in the world', and
        the world's most valuable brand.</li>
    </ul>
  </td>
  <td>
    <ul>
      <li>Each month millions of active customers visit Amazon looking to shop for products.</li>
      <li>With more than 175 fulfillment centers around the globe, you can ship all your products in bulk to
        Amazon and they will store your inventory, package it and ship it to your customers.</li>
    </ul>
  </td>
  <td>
    <ul>
      <li>If you're selling the same product as other merchants then you'll be competing with them for the Amazon
        Buy Box.</li>
      <li>Amazon charges retailers hefty commission for every product sold through them.</li>
    </ul>
  </td>
  <td>Good</td>
</tr>
<tr>
  <td>10.</td>
  <td>
    <a class='site-info' href='https://codepen.io/'>
      <img class='site-logo' src='assets/CodePen.png' alt='CodePen'>
      <h3 class='site-title'>CodePen</h3>
    </a>
  </td>
  <td>
    <ul>
      <li>CodePen is a social development environment for front-end designers and developers.</li>
      <li>We can build and deploy a website, show off your work, build test cases to learn and debug, and find
        inspiration.</li>
    </ul>
  </td>
  <td>
    <ul>
      <li>CodePen also provides easy ways for you to keep all of your work in one place through their online
        platform.</li>
      <li>You can share your work easy with an instructor or coworker.</li>
```

```html
          </ul>
        </td>
        <td>
          <ul>
            <li>Pro (premium) version required to keep work private and use external links properly</li>
            <li>CodePen has many tools but not all are not practical for most development situations.</li>
          </ul>
        </td>
        <td>Good</td>
      </tr>
    </tbody>
  </table>

  <!-- <div id='frame-wrapper'>
    <iframe id='frame' title='Inline Frame Example' width='1000' height='750'
      src='https://www.google.com/webhp?igu=1'></iframe>
  </div> -->
  <div class='contact-us'>
    <form id='form' action='./query.html'>
      <label for='customerName'>NAME <em>*</em></label>
      <input id='customerName' name='customerName' required='' type='text' />

      <label for='customerEmail'>EMAIL<em>*</em></label>
      <input id='customerEmail' name='customerEmail' required='' type='email' placeholder='x@y.com'/>

      <label for='customerPhone'>PHONE</label>
      <input id='customerPhone' name='customerPhone' pattern='[0-9]{3}-[0-9]{3}-[0-9]{4}' type='tel'
placeholder='999-999-9999'/>

      <label for='customerReview'>YOUR REVIEW<em>*</em></label>
      <textarea id='customerReview' name='customerReview' required='' rows='4'></textarea>

      <h3 class='form-info'>Please provide all the information about your site info.</h3>
      <label for='spamProtection'>SPAM PROTECTION<em>*</em><span>What day comes before July 11th?</span></label>
      <input id='spamProtection' name='spamProtection' type='text' />

      <button id='customerOrder'>SUBMIT</button>
    </form>
  </div>
</body>

</html>
```

query.html

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

<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">

  <title>Assignment 1</title>
  <meta name="author" content="Pratik Pingale">
  <meta name="description" content="Assignment 1">

  <meta property="og:title" content="Assignment 1">
  <meta property="og:type" content="website">
  <meta property="og:url" content="https://">
  <meta property="og:description" content="Assignment 1">
  <meta property="og:image" content="./assets/preview.png">

  <link rel="icon" href="./assets/favicon.ico">
  <link rel="icon" href="./assets/favicon.svg" type="image/svg+xml">
  <link rel="apple-touch-icon" href="./assets/apple-touch-icon.png">

  <link rel="stylesheet" href="./css/style.css">
  <script src="./js/query.js" defer></script>
</head>

<body>
  <aside>
    <div>
      <h2>Query Details</h2>
      <dl id='query_list'></dl>
    </div>
  </aside>
</body>

</html>
```

css/style.css

```css
@import url('https://fonts.googleapis.com/css?family=Spartan&display=swap');

:root {
  --green: #00DEAF;
  --dark-green: #009879;
  --orange: #f45702;
  --light-peach: #f8f4e5;
  --dark-peach: #F4EED5;
  --darker-peach: #E5DFC6;
  --white: #fff;
  --grey: #aaa;
  --dark-grey: #444;
  --light-grey: #a29999;
  --lighter-grey: #dddddd;
  --lightest-grey: #f3f3f3;
  --box-shadow: #9e9292;
}

html {
  font-size: 16px;
  font-family: 'Times New Roman', Times, serif;
  box-sizing: border-box;
}

*,
::before,
::after {
  box-sizing: inherit;
}

html,
body {
  margin: 0;
  padding: 0;
  width: 100vw;
  min-height: 100%;
  text-rendering: optimizeLegibility;
}

body {
  background: url("../assets/bg.jpg") center center no-repeat;
  background-size: cover;
  background-attachment: fixed;
  color: #2A293E;
  display: grid;
  align-items: center;
  justify-items: center;
  padding-inline: 3em;
  padding-bottom: 1em;
}

table {
  border-collapse: collapse;
  width: 100%;
  background-color: var(--light-peach);
  margin-bottom: 2em;
  border-radius: 5px 5px 0 0;
  overflow: hidden;
  box-shadow: 0 0 20px rgba(0, 0, 0, 0.15);
}

table th,
table td {
  padding: 1em;
}

table th {
  font-weight: bolder;
}

table tr>td:last-child {
```

```css
    text-align: center;
}

table thead tr {
  background-color: var(--green);
  color: var(--white);
  font-weight: bold;
}

table tbody tr {
  border-bottom: 1px solid var(--lighter-grey);
}

table tbody tr:nth-of-type(even) {
  background-color: var(--dark-peach);
}

table tbody tr:last-of-type {
  border-bottom: 2px solid var(--green);
}

table tbody tr>td:nth-child(2) {
  text-align: center;
}

.site-info {
  color: var(--dark-green);
  display: flex;
  flex-flow: column wrap;
  align-items: center;
  justify-content: center;
}

.site-logo {
  width: 5em;
  height: 5em;
}

.site-title {
  margin-bottom: 0;
}

#frame-wrapper {
  display: grid;
  justify-items: center;
}

.contact-us {
  background: var(--light-peach);
  padding: 50px 100px;
  border-top: 10px solid var(--orange);
}

label,
input,
textarea {
  display: block;
  width: 100%;
  font-size: 1em;
  line-height: calc(1em * 2);
  font-family: 'Spartan';
}

input {
  margin-bottom: calc(1em * 2);
}

.form-info {
  font-family: 'Spartan';
  font-weight: normal;
  font-size: 0.6em;
  line-height: calc(1em * 2);
  font-style: italic;
```

```css
  margin: 0 0 .5em 0;
}

span {
  font-size: 0.6em;
  margin-left: 0.8em;
}

em {
  color: var(--orange);
  font-weight: bold;
}

input,
textarea {
  border: none;
  border: 1px solid rgba(0, 0, 0, .1);
  border-radius: 2px;
  background: var(--light-peach);
  padding-left: 5px;
  outline: none;
}

input:focus,
textarea:focus {
  border: 1px solid #6bd4b1;
}

textarea {
  resize: none;
}

button {
  display: block;
  float: right;
  line-height: calc(1em * 2);
  padding: 0 20px;
  border: none;
  background: var(--orange);
  color: white;
  letter-spacing: 2px;
  transition: .2s all ease-in-out;
  border-bottom: 2px solid transparent;
  outline: none;
}

button:hover {
  background: inherit;
  color: var(--orange);
  border-bottom: 2px solid var(--orange);
}

::selection {
  background: rgb(255, 199, 184);
}

input:-webkit-autofill,
input:-webkit-autofill:hover,
input:-webkit-autofill:focus,
textarea:-webkit-autofill,
textarea:-webkit-autofill:hover,
textarea:-webkit-autofill:focus {
  border: 1px solid #6bd4b1;
  box-shadow: 0 0 0px 1000px var(--light-peach) inset;
  transition: background-color 5000s ease-in-out 0s;
}

aside {
  border: 2px solid var(--darker-peach);
  border-radius: 0.5rem;
  width: 27em;
  margin: 5% auto;
  padding: 3%;
```

```css
}

aside div {
  padding-left: 5%;
  border-left: 3px solid black;
}

h2 {
  font-size: 2em;
  margin-bottom: .5em;
  text-transform: uppercase;
  font-weight: 700;
  border-bottom: 3px solid black;
  display: inline-block;
}

h2::before {
  content: "▶";
  margin-right: .1em;
}

dl {
  border-bottom: 8px solid black;
  padding-bottom: 1em;
}

dt {
  float: left;
  margin-right: .4em;
  font-weight: 700;
}

dt,
dd {
  line-height: 2;
}

dt::before {
  content: "▶";
  color: var(--dark-green);
  margin-right: .2em;
}
```

js/main.js

```javascript
const changeUrl = (e) ⇒ {
  // e.preventDefault();
  document.getElementById('frame').src = e.target.href;
}


[...document.getElementsByClassName('site-info')].forEach(site ⇒ {
  site.addEventListener('click', changeUrl);
  [...site.children].forEach(child ⇒ {
    child.href = site.href;
  });
});


document.getElementById('form').addEventListener('submit', (e) ⇒ {
  if (document.getElementById('spamProtection').value ≡ '10') {
    e.preventDefault();
    alert('Please answer the spam protection question correctly.');
  }
});
```

js/query.js

```javascript
function getQueryValues(definitionList) {
  let definitionData = {};
  var query = window.location.search.substring(1);
  var vars = query.split("&");
  vars.forEach(query => {
    var pair = query.split("=");
    definitionData[pair[0]] = decodeURIComponent(pair[1]);
  });
  return definitionData;
}

let definitionList = [
  "customerName",
  "customerEmail",
  "customerPhone",
  "customerReview",
  "spamProtection"
]

let definitionData = getQueryValues(definitionList);
const query_list = document.getElementById('query_list');
definitionList.forEach(key => {
  let dt = document.createElement('dt');
  let dd = document.createElement('dd');
  dt.textContent = key;
  dd.textContent = (definitionData.hasOwnProperty(key) && definitionData[key] ≠ '') ? `${definitionData[key]}` : 'Query
unavailable';
  query_list.appendChild(dt);
  query_list.appendChild(dd);
});
```

Site Case Study

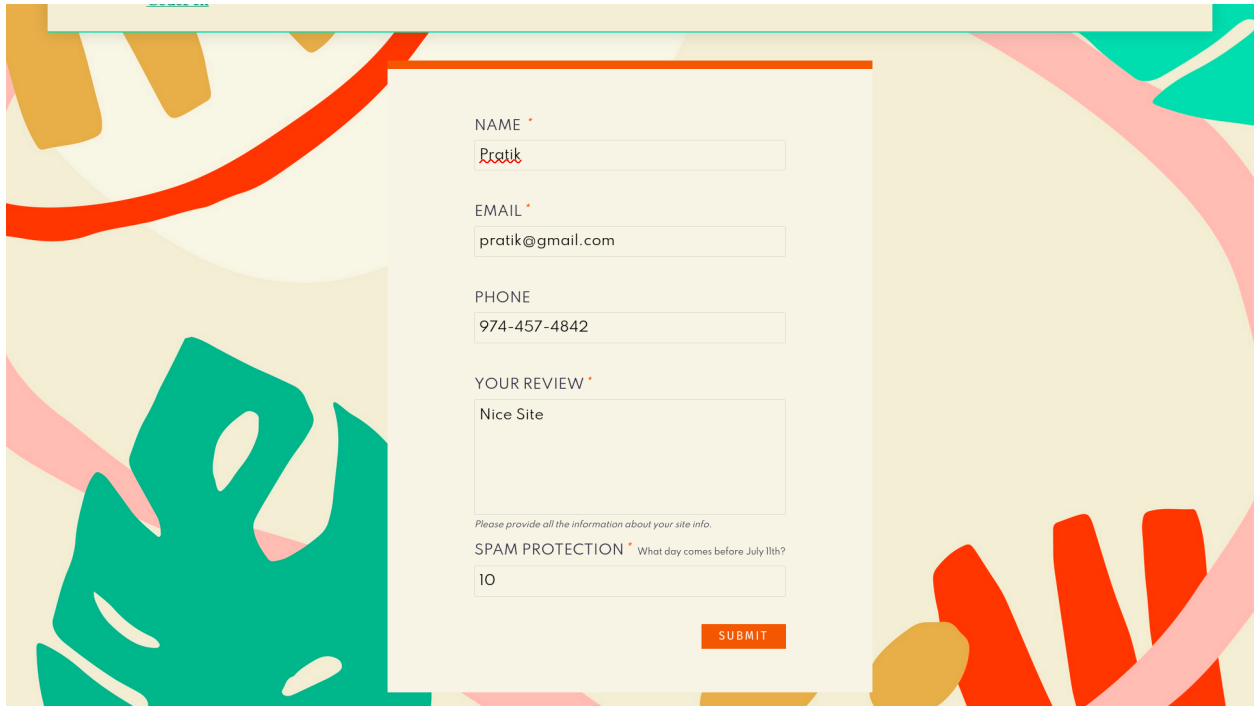| Sr.No.	Website Url	Purpose of Website	Things liked in Website	Things disliked in Website	Overall evaluation of website
1.	**HackerRank**	• For Companies: ◦ They are the market-leading technical interview platform to identify and hire developers wherever they are. • For Job Seekers: ◦ We can join over 18 million developers, practice coding skills, prepare for Interviews and get hired.	• Hackerrank helps in imporving coding skills. • It provides a platform to practice for Interviews.	• It lacks plagarism detection. • Inaccurate coding exercises and unstable connection during interviews.	Good
2.	**GitHub**	• Millions of developers and companies build, ship, and maintain their software on GitHub. • It is the largest and most advanced development platform in the world.	• It helps in storing our own code with proper licencing. • We can contribute to projects of other developers.	• GitHub does offer private repositories, but this isn't necessarily perfect for many • For high value intellectual property, you're putting all of this in the hands of GitHub as well as anyone who has a login, which like many sites has had security breaches before and is targeted constantly.	Good
3.	**YouTube**	• YouTube is a free video sharing website that makes it easy to watch online videos. • You can even create and upload your own videos to share with others.	• YouTube gives you the opportunity to earn money through your videos. • It is an easy way to share information related to videos, music, comedy.	• Everything on YouTube is public. • YouTube has many rules which restrict what you can do within your channel.	Good
		• For Teams:			

NAME *

EMAIL *

x@y.com

PHONE

999-999-9999

YOUR REVIEW *

Please provide all the information about your site info.

SPAM PROTECTION * What day comes before July 11th?

SUBMIT

NAME *

Pratik

EMAIL *

pratik@gmail.com

PHONE

974-457-4842

YOUR REVIEW *
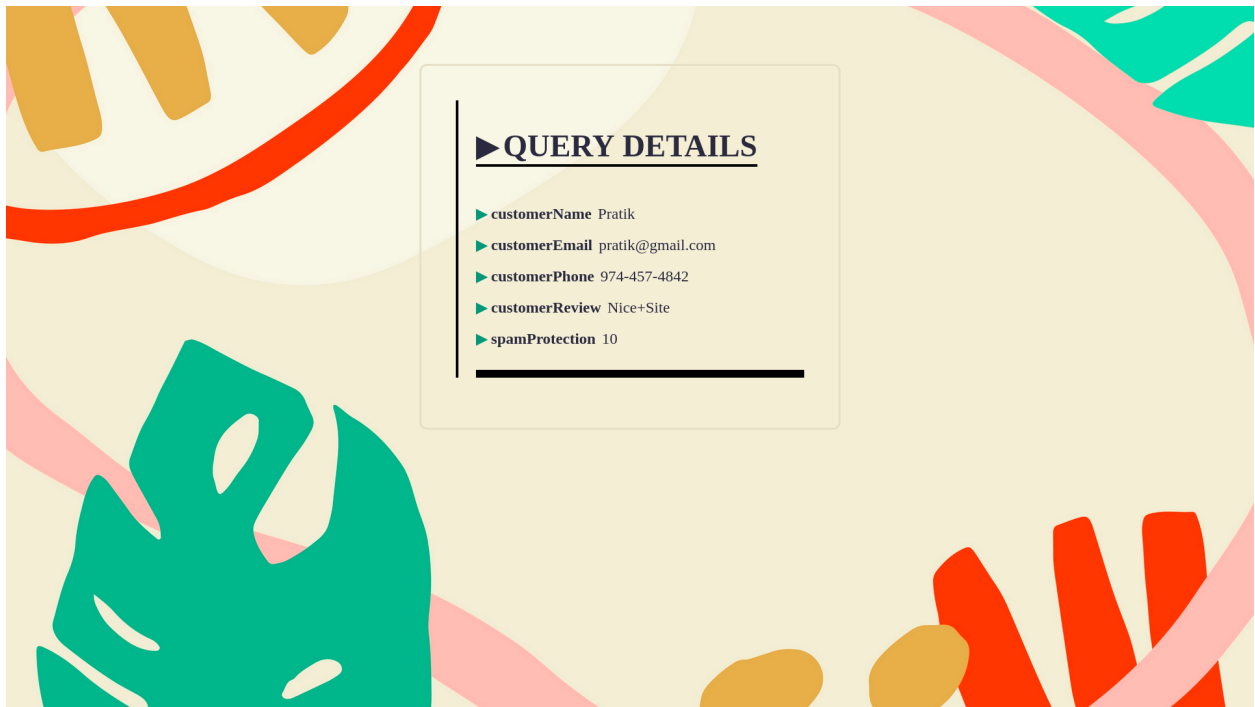
Nice Site

Please provide all the information about your site info.

SPAM PROTECTION * What day comes before July 11th?

10

SUBMIT

▶ **QUERY DETAILS**

▶ **customerName** Pratik

▶ **customerEmail** pratik@gmail.com

▶ **customerPhone** 974-457-4842

▶ **customerReview** Nice+Site

▶ **spamProtection** 10