README.txt

For this assignment, I used my assignment 2 html code that is for my portfolio website. It is split into 4 web pages: index.html, Skills.html, projects.html, contact.html. These 4 web pages present all the information I needed to present for my first portfolio website created. The purpose of each is as follows:

1. index.html was to serve as a homepage, where I speak about my experiences, education and a bit about myself.
2. Skills.html highlights the skills and coding languages I know that are relevant to the field of front-end development.
3. Projects.html showcases the projects I have made, as well as future projects I am aspired to make. It also contains an audio file of a testimonial of a project I made.
4. contact.html 's main purpose is to provide a contact page for anyone interested in working with me or getting in contact. This is how I am going to keep in touch with the people who viewed my portfolio and are interested.

Each of these html files also have separate css files to edit the web pages. However, projects.html and projects.css are only for personal use and not to be marked. Projects.html was only made to fulfill a requirement in assignment 1.

I created 3 new JavaScript files for this assignment. 1 for index.html,skills.html, and contact.html. These javascript files are used to provide some functionality for these webpages and ultimately fulfill the code requirements of this assignment.

Part 1

Now, for the first part of this assignment, I created a design for desktops/web,tablets and mobile screens for the 3 webpages. The window size changes dynamically depending on the screen the user is on or adjusts to. I attached code for each of these webpages that fulfill these requirements and showcase the design I went for. The code has comments so the design is understood.

Part 2

I split the JavaScript code requirements between the 3 webpages, and did not have them all on 1 webpage. This way, my overall website is balanced in terms of each webpages functionality.

For requirement 1: I added a notification for index.html that greets the user to my portfolio website. It is an alert and always pops up whenever index.html is accessed.

```
window.onload = function() {
alert("Welcome to Riyad Otman's Portfolio!");
};
```

For requirement 2: I created an event handler for when the user's mouse is over my profile image in index.html. When the mouse is hovered, the border of the image turns green.

```
document.querySelector('.profile-image').addEventListener('mouseover', function() {
    this.style.border = '5px solid green';
});


document.querySelector('.profile-image').addEventListener('mouseout', function() {
    this.style.border = '';
});
```

For requirement 3: I created a feature where when one of the skills highlights is clicked in skills.html (html,css,js or react), it provides background information on the skill. This uses a switch statement for cases.

```
document.addEventListener('DOMContentLoaded', function() {
    const skillsInfo = {
        'html': 'HTML is the standard markup language for creating Web pages. It
describes the structure of a Web page.',
        'css': 'CSS is the language we use to style an HTML document. CSS describes how
HTML elements should be displayed.',
        'react': 'React is a JavaScript library for building user interfaces. It allows
us to create reusable UI components.',
        'js': 'JavaScript is the programming language of the Web. It is used to program
the behavior of web pages.'
    };
```

```
    document.querySelectorAll('img[alt="html"], img[alt="css"], img[alt="react"],
img[alt="js"]').forEach(img => {
        img.addEventListener('click', () => {
            const skillKey = img.alt.toLowerCase();
            let info = 'Information not available';

            switch (skillKey) {
                case 'html':
                    info = skillsInfo['html'];
                    break;
                case 'css':
                    info = skillsInfo['css'];
                    break;
                case 'react':
                    info = skillsInfo['react'];
                    break;
                case 'js':
                    info = skillsInfo['js'];
                    break;
                default:
                    console.log('No information available for this skill.');
            }

            alert(info);
        });
    });
});
```

For requirement 4: I added two buttons for index.html, which changes the colour scheme of the main page. It changes to either dark blue or dark purple, and the default is dark green. This completes the requirement of having 3 different colour schemes.

```
document.addEventListener('DOMContentLoaded', () => {
 const navbar = document.querySelector('.navbar');

 const darkBlueButton = document.getElementById('dark-blue-scheme');
 const darkPurpleButton = document.getElementById('dark-purple-scheme');

 darkBlueButton.addEventListener('click', () => {
    navbar.classList.remove('dark-purple-scheme');
```

```
        navbar.classList.add('dark-blue-scheme');
    });


    darkPurpleButton.addEventListener('click', () => {
        navbar.classList.remove('dark-blue-scheme');
        navbar.classList.add('dark-purple-scheme');
    });
});
```

For requirement 5: I created a form in my contact.html page that asks 5 questions. It asks for a name, email, phone number, reason of contact and includes a message box for any additional comments or messages. I also validated each of these questions so the form can only be submitted properly and without errors. I fulfilled the requirement of having at least 3 different text types, which includes me using the input types text,tel and email. I will provide the html and javascript code below

```
<form action="submit.php" method="post">
<label for="name">Your Name:</label><br>
<input type="text" id="name" name="name" required><br>


<label for="email">Your Email:</label><br>
<input type="email" id="email" name="email" required><br>


<label for="phone">Your Phone Number:</label><br>
<input type="tel" id="phone" name="phone" pattern="[0-9]{3}-[0-9]{3}-[0-9]{4}"
required><br>
<small>Format: 123-456-7890</small><br>


<label for="reason">Reason for Contact:</label><br>
<select id="reason" name="reason" required>
  <option value="" disabled selected>Select a reason</option>
  <option value="General Inquiry">General Inquiry</option>
  <option value="Feedback">Feedback</option>
  <option value="Business Proposal">Business Proposal</option>
  <option value="Other">Other</option>
</select><br>


<label for="message">Message:</label><br>
<textarea id="message" name="message" rows="4" required></textarea><br>
```

```html
  <input type="submit" value="Submit">
</form>
```

```javascript
document.querySelector('form').addEventListener('submit', function(event) {
  event.preventDefault(); // Prevent form from submitting to server
  // Get form fields
  var name = document.getElementById('name');
  var email = document.getElementById('email');
  var phone = document.getElementById('phone');
  var reason = document.getElementById('reason');
  var message = document.getElementById('message');
  // Validate name
  if (name.value.trim() === '') {
    alert('Please enter your name.');
    return;
  }
  // Validate email with a simple pattern
  var emailPattern = /^[^ ]+@[^ ]+\.[a-z]{2,3}$/;
  if (!email.value.match(emailPattern)) {
    alert('Please enter a valid email address.');
    return;
  }
  // Validate phone
  var phonePattern = /^[0-9]{3}-[0-9]{3}-[0-9]{4}$/;
  if (!phone.value.match(phonePattern)) {
    alert('Please enter a valid phone number. Format: 123-456-7890');
    return;
  }
  // Validate reason
  if (reason.value === '') {
    alert('Please select a reason for contact.');
    return;
  }
  // Validate message
  if (message.value.trim() === '') {
    alert('Please enter your message.');
    return;
  }
  // If all validations pass, you can submit the form
  alert('Form submitted successfully!');
});
```

Part 3: I attached the accessibility scores for each of the 3 webpages in the assignment folder, which all scored over 90. I also made sure color schemes follow proper contrast rules and I followed the C.R.A.P principles which were implemented from the last assignment.

Part 4: I attached a reflection pdf in the assignment folder.

Bonus:

__Note: I used ChatGPT for some eros I would get stuck on in javascript, and for some advice on how to implement some of my ideas. All the content of the code though is my idea, and the only content used from ChatGPT is when I am stuck in how to implement an idea in my mind and I use A.I for assistance.__

Here is a list of all my photos,video and audio files used:

- Testimonial.mp3 *(my audio)*
- React3.png
- Project.mp4 *(my video)*
- LinkedIn.png
- JavaScript1.png
- HTML.png
- GreetMemoji.png *(my picture)*
- BestMemoji.png *(my picture)*
- Favicon1.png
- Gmail.png
- CSS.png

References

[1] 2023. CSS Logo PNG. Image. Available at: https://1000logos.net/css-logo/

[2]Freepik. web design icons. Image. Available at:

https://www.flaticon.com/free-icon/graphic-design_1071928?term=web+design&page=1&position=35&origin=search&related_id=1071928

[3]2020. Gmail icon. Image. Available at:

https://en.m.wikipedia.org/wiki/File:Gmail_icon_%282020%29.svg

[4]HTML Logo. Online Image. Available at: https://www.w3.org/html/logo/