In Class Assignment - 4

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**Personal Portfolio Building Assignments**

**Assignment 1: Establish the Foundation**

The basic structure of the html webpage has been designed to consist of a heading tag line and a header that reads the name of the portfolio holder. Followed by a navigation bar that contain the titles of multiple sections of the portfolio. The bar is then followed by each of the sections. The form concludes with a contact form.

**1. HTML Skeleton:**

- Create an HTML file for your portfolio.

- Include sections for introduction, projects, skills, and contact information.

Below is the code for the HTML skeleton of the portfolio including all the necessary information that goes into the section.

A computer screen shot of a program

Description automatically generated

A computer screen shot of a program

Description automatically generated

A computer screen shot of a program

Description automatically generated

**2. CSS Styling:**

- Apply basic styling to make your portfolio visually appealing.

- Experiment with fonts, colors, and layout to reflect your personal style.

Below is the code for CSS styles.

A computer screen shot of a program

Description automatically generated

A computer screen shot of a program

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A computer screen shot of a program

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A screenshot of a computer

Description automatically generated

Below are the screenshots of output for the combined HTML and CSS form and styles.

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A computer screen shot of a computer screen

Description automatically generated

3. **JavaScript Initialization:**

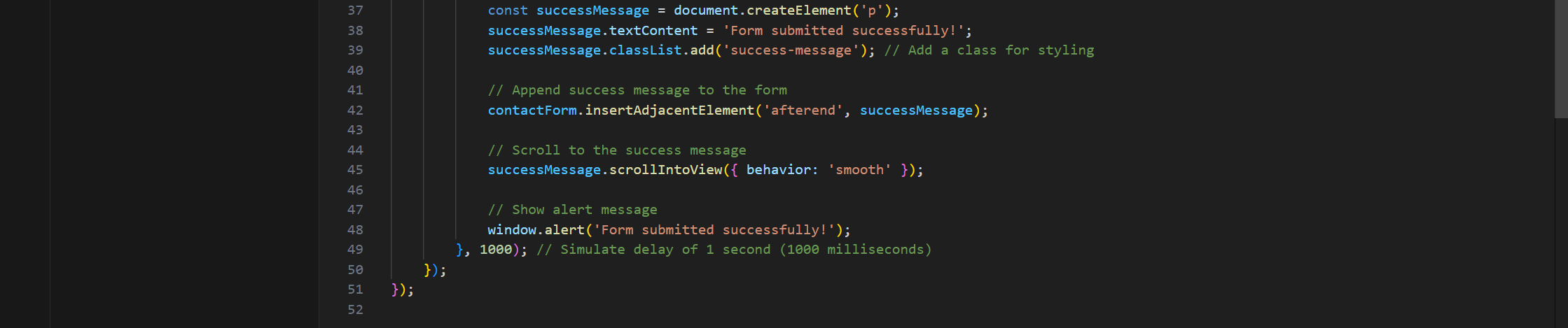
- Link your JavaScript file to the HTML document.

- Initialize the JavaScript file with the necessary variables and functions.

Below is the JavaScript code used for adding necessary functionalities

A screen shot of a computer program

Description automatically generated



**Assignment 2:** Dynamic Project Showcase

**Objective:** Use JavaScript to dynamically showcase your projects and enhance user interaction.

1. **Project Data:**

- Create an array or object to store information about your projects (e.g., name, description, link).

2. **Dynamic Project Display:**

- Use JavaScript to dynamically generate project elements on the portfolio page.

The Java Script code below shows the dynamic usage of the project array.

A computer screen shot of text

Description automatically generated

- Ensure each project element includes a title, description, and a link to the project.

Below screenshot shows that the projects have a title description and a link to the project.

A screenshot of a computer program

Description automatically generated

Hyperlink for the projects:

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

Similarly, the 3rd project also re-directs to a project in github.

**Assignment 3:** Form Enhancement and Validation

**Objective:** Enhance your portfolio with a contact form that utilizes JavaScript for validation and user feedback.

1. **Contact Form:**

- Add a contact form section to your portfolio.

- Include fields for name, email, message, etc.

Below is the resulting contact form post the html code above executes :

A screenshot of a contact form

Description automatically generated

2. **JavaScript Validation:**

- Write JavaScript code to validate user inputs in the contact form.

- Ensure proper validation for fields like email and message length.

Below screenshots display

1. Fields do not accept empty fields.

A screenshot of a computer

Description automatically generated

9. **Error Handling and Feedback**:

- Implement error handling to provide feedback on invalid inputs.

2. Fields do not accept invalid email

A screenshot of a computer

Description automatically generated

Display success messages when the form is submitted successfully.

1. Success message displays

A screenshot of a computer

Description automatically generated