AI ASSISTED CODING

LAB-14.4

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BATCH:03

TASK-01:

Create a Responsive Web Page Layout

PROMPT:

Generate a basic webpage layout which include header, main content, footer also add CSS to make it more responsive in different screen sizes.

```
| Description | Control | Orange | Oran
```

```
<html lang="en":
<head>
<style>
                       <style>
footer {
    background: □#2d3/48;
    color: ■#fff;
    text-align: center;
    padding: 1rem 0;
    font-size: 0.95rem;
    margin-top: 2rem;
}
                           /* Responsive Styles */
@media (max-width: 900px) {
    main {
        max-width: 95%;
    }
                           media (max-width: 600px) {
  header {
    flex-direction: column;
    align-items: flex-start;
  padding: 1rem;
                             padding: 1rem;
}
nav {
  margin-top: 0.5rem;
}
nav a {
  margin-left: 0;
  margin-right: 1rem;
  display: inline-block;
}
main {
                              main {
| padding: 0.5rem;
}
                               .placeholder-img { | max-width: 100%;
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                          p>
This is a placeholder for the main content. The layout adapts to desktop, tablet, and mobile screens.
You can observe the changes when you resize your browser size.
```



OBSERVATION:

The AI generated the webpage in an efficient way and it also included all the elements what we have instructed to it. It included the header section , body section and also the footer section.

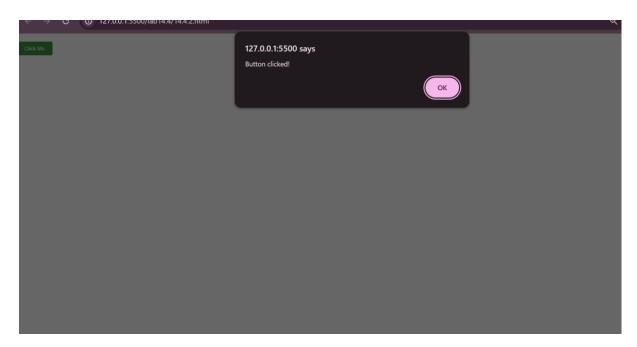
TASK-02:

Interactive Button with Java script.

PROMPT:

Create a button on the webpage then use java script to display the popup alert message "Button clicked" when the button is clicked.

```
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```



OBSERVATION:

The code generated by the AI which shows the popup message when the button is clicked.

TASK-03:

Form with Validation.

PROMPT:

Generate a form which accepts the details like name, email ,message use java script to validate the correct format and display the error messages if the required field is empty after completion of filling the data then it should display the message "Form submitted Successfully" on clicking the submit button.

```
### Action | Oracle |
```

```
form.com validateFamil(email) {
    return /*[^\se]+\se]+\seta(^\seta(email);
}

form.addFventlistener('submit', function(e) {
    e.preventDefault();
    let valid = true;
    nameFror.textContent = '';
    emailError.textContent - '';
    successNsg.textContent - '';
    successNsg.textContent - '';
    if (nameInput.value.trim() --- '') {
        nameFror.textContent = 'Name is required.';
        valid = false;
    }
    if (emailInput.value.trim() --- '') {
        emailError.textContent = 'Email is required.';
        valid = false;
    }
    if (emailError.textContent = 'Email is required.';
    valid = false;
    if (validateEmail(emailInput.value.trim())) {
        emailError.textContent = 'Please enter a valid email address.';
        valid = false;
    }
    if (messageInput.value.trim() --- '') {
        messageFror.textContent = 'Nessage is required.';
        valid = false;
    }
    if (valid) {
        successNsg.textContent = 'Form submitted successfully';
        form.reset();
    }
}
    //script
    //scr
```

```
Contact Us

Name:
chandragir ram charan

Email:
ramcharanch06@gmail.com

Message:
Ht everyone this is rancharan from computer science and engineering.]
```

OBSERVATION:

From the code given by the AI we observed that it accepts the details such as name, email and a message if the required field is not filled it displays the error message.

TASK-04:

Dynamic content Generation

PROMPT:

Generate the html code which consists of list of items and the buttons add item and remove item then by using java script make it dynamic to add the item when clicked on add item and remove the item if remove item is clicked.

```
lab14.4 > ↔ 14.4.4.html > 쉾 html > 🛠 body
     <!DOCTYPE html>
      <html lang="en">
       <meta charset="UTF-8">
        <title>Dynamic Product List</title>
         body { font-family: Arial, sans-serif; margin: 30px; }
ul { margin-bottom: 20px; }
          button { margin-right: 10px; }
         Product 1
          Product 2
          Product 3
        <button id="addBtn">Add Item
        <button id="removeBtn">Remove Item</button>
         const productList = document.getElementById('productList');
          const addBtn = document.getElementById('addBtn');
          const removeBtn = document.getElementById('removeBtn');
          let productCount = productList.children.length;
            productCount++;
             const li = document.createElement('li');
            li.textContent = `Product ${productCount}`;
productList.appendChild(li);
          removeBtn.onclick = function() {
           if (productList.children.length > 0) {
             productList.removeChild(productList.lastElementChild);
productCount = productList.children.length;
```

Product List

- Product 1
- · Product 2
- Product 3

Product

Add Item Remove Item

OBSERVATION:

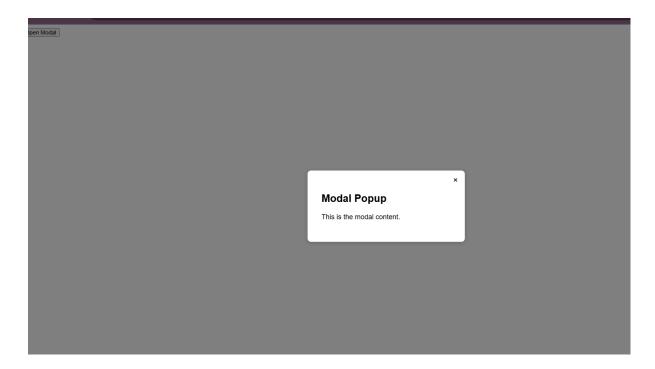
The AI generated the code which contains the list of product names and it has the buttons add item and remove item which works in the dynamic way.

TASK-05:

Styled Modal Popup.

PROMPT:

Generate a modal popup which opens when we click the button which is present on the web page use CSS to style it in an impressive way also include the hide button which hides the modal popup.



OBSERVATION:

The code generated by AI contains a button which displays a modal popup by clicking on it . the AI styled the modal popup in an impressive way.