**Extra Exercise:**

**Using appendChild() and innerHTML() for creating dynamic interaction**

In this exercise, you will learn how to create a basic Fitness Tracker interface where users can add their fitness activities by entering the activity name and the number of calories burned into input fields and clicking the "Add Activity" button. The added activities are displayed below with their names and the calories burned. The styling is kept simple for clarity and ease of understanding.

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Fitness Tracker</title>

<style>

body {

font-family: Arial, sans-serif;

background-color: #f0f0f0;

margin: 0;

padding: 0;

}

.container {

max-width: 600px;

margin: 20px auto;

background-color: #fff;

padding: 20px;

border-radius: 8px;

box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);

}

h1 {

text-align: center;

margin-bottom: 20px;

}

label {

display: block;

margin-bottom: 5px;

}

input[type="text"] {

width: 100%;

padding: 8px;

margin-bottom: 10px;

border: 1px solid #ccc;

border-radius: 4px;

box-sizing: border-box;

}

button {

background-color: #4caf50;

color: #fff;

padding: 10px 20px;

border: none;

border-radius: 4px;

cursor: pointer;

font-size: 16px;

}

button:hover {

background-color: #45a049;

}

.activity {

border: 1px solid #ccc;

border-radius: 4px;

padding: 10px;

margin-bottom: 10px;

}

</style>

</head>

<body>

<div class="container">

<h1>Fitness Tracker</h1>

<label for="activityName">Activity Name:</label>

<input type="text" id="activityName" placeholder="Enter activity name...">

<label for="caloriesBurned">Calories Burned:</label>

<input type="text" id="caloriesBurned" placeholder="Enter calories burned...">

<button onclick="addActivity()">Add Activity</button>

<div id="activityList"></div>

</div>

<script>

function addActivity() {

var activityNameInput = document.getElementById("activityName");

var caloriesBurnedInput = document.getElementById("caloriesBurned");

var activityName = activityNameInput.value.trim();

var caloriesBurned = caloriesBurnedInput.value.trim();

if (activityName !== "" && caloriesBurned !== "") {

var activityList = document.getElementById("activityList");

var activityDiv = document.createElement("div");

activityDiv.classList.add("activity");

var activityContent = "<h2>"+ activityName + "</h2> <p><strong>Calories Burned:</strong> " + caloriesBurned + "</p>";

activityDiv.innerHTML = activityContent;

activityList.appendChild(activityDiv);

// Clear input fields

activityNameInput.value = "";

caloriesBurnedInput.value = "";

}

}

</script> </body>

</html>

The Output:

A screenshot of a fitness tracker

Description automatically generated

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Description automatically generated