Index.Html “

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Cocktail Finder</title>

    <link rel="stylesheet" href="style.css">

</head>

<body>

    <div id="inputSection">

        <h4>If you would like to search for a cocktail via ingredients use the following.</h4>

        <label for="count">Ingredients (1-5): </label>

        <input type="number" id="count" min="1" max="5">

        <button id="gen">Generate Inputs</button>

    </div>

    <div id="searchSection"></div>

    <h4>If you would like to search for a cocktail via its name use the following.</h4>

    <div id="nameSearchSection">

        <input type="text" id="name" placeholder="Cocktail name">

        <button id="searchName">Search by Name</button>

    </div>

    <div id="list"></div>

    <div id="details"></div>

    <script src="script.js"></script>

</body>

</html>

“

script.js

“(async function() {

  // when the page loads, set up button click events

  document.addEventListener("DOMContentLoaded", () => {

    document.getElementById("gen").addEventListener("click", makeInputs);

    document.getElementById("searchName").addEventListener("click", searchByName);

  });

  // Generate input fields for the number of ingredients specified

  function makeInputs() {

    let num = document.getElementById("count").value;

    let section = document.getElementById("searchSection");

    section.innerHTML = "";

    // Alert if the number of ingredients exceeds 5

    if (num > 5) {

      alert("Hey, keep it between 1 and 5, please.");

      return;

    }

    // Create and add input fields for each ingredient

    for (let i = 0; i < num; i++) {

      let inp = document.createElement("input");

      inp.type = "text";

      inp.placeholder = `Ingredient ${i + 1}`;

      inp.addEventListener("input", fetchCocktails);

      section.appendChild(inp);

    }

  }

  // Fetches cocktails based on the ingredients entered

  async function fetchCocktails() {

    try {

      let ingredients = Array.from(document.querySelectorAll("#searchSection input"))

        .map(inp => inp.value.trim())

        .filter(val => val !== "")

        .join(",");

      // Perform the search if ingredients are entered

      if (ingredients) {

        let resp = await fetch(`https://www.thecocktaildb.com/api/json/v2/9973533/filter.php?i=${ingredients}`);

        if (!resp.ok) throw new Error(`HTTP error! Status: ${resp.status}`);

        let data = await resp.json();

        display(data.drinks);

      }

    } catch (err) {

      console.error("Oops, couldn't fetch cocktails by ingredients:", err);

    }

  }

  // Looks up cocktails by name

  async function searchByName() {

    try {

      let name = document.getElementById("name").value.trim();

      if (name) {

        let resp = await fetch(`https://www.thecocktaildb.com/api/json/v2/9973533/search.php?s=${name}`);

        if (!resp.ok) throw new Error(`HTTP error! Status: ${resp.status}`);

        let data = await resp.json();

        display(data.drinks);

      }

    } catch (err) {

      console.error("Oops, error searching cocktails by name:", err);

    }

  }

  // Displays a list of cocktails on the page

  function display(cocktails) {

    let list = document.getElementById("list");

    list.innerHTML = "";

    // Create a div for each cocktail with its name, image, and a details button

    if (cocktails) {

      cocktails.forEach(drink => {

        let div = document.createElement("div");

        div.className = "cocktail";

        let name = document.createElement("h3");

        name.textContent = drink.strDrink;

        let img = document.createElement("img");

        img.src = drink.strDrinkThumb;

        img.alt = drink.strDrink;

        let btn = document.createElement("button");

        btn.textContent = "Details";

        btn.addEventListener("click", () => fetchDetails(drink.idDrink));

        div.appendChild(name);

        div.appendChild(img);

        div.appendChild(btn);

        list.appendChild(div);

      });

    } else {

      list.innerHTML = "<p>Can't find any cocktails.</p>";

    }

  }

  // Fetches detailed info about a single cocktail using its id

  async function fetchDetails(id) {

    try {

      let resp = await fetch(`https://www.thecocktaildb.com/api/json/v2/9973533/lookup.php?i=${id}`);

      if (!resp.ok) throw new Error(`HTTP error! Status: ${resp.status}`);

      let data = await resp.json();

      showDetails(data.drinks[0]);

    } catch (err) {

      console.error("Oops, problem fetching cocktail details:", err);

    }

  }

  // Shows detailed info for a cocktail

  function showDetails(drink) {

    let details = document.getElementById("details");

    details.innerHTML = `

            <h2>${drink.strDrink}</h2>

            <img src="${drink.strDrinkThumb}" alt="${drink.strDrink}">

            <p><strong>Glass:</strong> ${drink.strGlass}</p>

            <p><strong>Instructions:</strong> ${drink.strInstructions}</p>

            <h3>Ingredients</h3>

            <ul>${getIngredients(drink)}</ul>

        `;

    document.getElementById("list").innerHTML = "";

  }

  // Builds a list of ingredients for a cocktail

  function getIngredients(drink) {

    let ingredients = "";

    for (let i = 1; i <= 15; i++) {

      if (drink[`strIngredient${i}`]) {

        ingredients += `<li>${drink[`strIngredient${i}`]} - ${drink[`strMeasure${i}`]}</li>`;

      }

    }

    return ingredients;

  }

})();

“

Style.css

“body {

    font-family: 'Arial', sans-serif;

    background-color: #f4f4f4;

    color: #333;

    line-height: 1.6;

    padding: 20px;

    max-width: 800px;

    margin: 0 auto;

}

h2 {

    color: #444;

}

#inputSection,

#nameSearchSection {

    background: #fff;

    padding: 20px;

    margin-bottom: 20px;

    border-radius: 8px;

    box-shadow: 0 2px 4px rgba(0,0,0,0.1);

}

input[type="number"],

input[type="text"] {

    padding: 10px;

    margin: 10px 0;

    border: 1px solid #ddd;

    border-radius: 4px;

    width: calc(100% - 22px);

}

button {

    background-color: #28a745;

    color: white;

    border: none;

    padding: 10px 20px;

    margin: 10px 0;

    border-radius: 4px;

    cursor: pointer;

    font-size: 16px;

}

button:hover {

    background-color: #218838;

}

#list {

    display: grid;

    grid-template-columns: repeat(auto-fill, minmax(200px, 1fr));

    gap: 20px;

}

.cocktail {

    background: #fff;

    border: 1px solid #ddd;

    padding: 15px;

    border-radius: 8px;

    text-align: center;

    box-shadow: 0 2px 4px rgba(0,0,0,0.1);

}

.cocktail img {

    width: 100%;

    height: 200px;

    object-fit: cover;

    border-radius: 8px;

}

#details {

    background: #fff;

    margin-top: 20px;

    padding: 20px;

    border-radius: 8px;

    box-shadow: 0 2px 4px rgba(0,0,0,0.1);

}

#details img {

    width: 100%;

    max-width: 400px;

    margin-bottom: 20px;

    border-radius: 8px;

}

“