<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Average Calculator</title>

<style>

body {

font-family: Arial, sans-serif;

margin: 20px;

}

label, select, button {

font-size: 18px;

}

button {

margin-top: 10px;

padding: 8px 16px;

}

.results {

margin-top: 20px;

}

.results p {

font-size: 16px;

line-height: 1.5;

}

</style>

</head>

<body>

<h1>Average Calculator Microservice</h1>

<form id="numberForm">

<label for="numberType">Select Number Type:</label>

<select id="numberType" name="numberType" required>

<option value="e">Even</option>

<option value="p">Prime</option>

<option value="f">Fibonacci</option>

<option value="r">Random</option>

</select>

<br/>

<button type="submit">Get Average</button>

</form>

<div class="results" id="results">

<!-- Results will be displayed here -->

</div>

<script>

document.getElementById('numberForm').addEventListener('submit', function(event) {

event.preventDefault(); // Prevent form from submitting the traditional way

const numberType = document.getElementById('numberType').value;

fetch(http://localhost:9876/numbers/${numberType})

.then(response => response.json())

.then(data => {

displayResults(data);

})

.catch(error => {

console.error('Error:', error);

document.getElementById('results').innerHTML = '<p>Failed to fetch results. Please try again.</p>';

});

});

function displayResults(data) {

const resultsDiv = document.getElementById('results');

resultsDiv.innerHTML = `

<p><strong>Previous Window State:</strong> ${JSON.stringify(data.windowPrevState)}</p>

<p><strong>Current Window State:</strong> ${JSON.stringify(data.windowCurrState)}</p>

<p><strong>Numbers Fetched:</strong> ${JSON.stringify(data.numbers)}</p>

<p><strong>Average:</strong> ${data.avg}</p>

`;

}

</script>

</body>

</html>