<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Stopwatch</title>

<style>

/\* CSS Styles \*/

body {

font-family: Arial, sans-serif;

text-align: center;

}

.stopwatch {

border: 2px solid #333;

border-radius: 10px;

width: 200px;

padding: 20px;

margin: 50px auto;

background: linear-gradient(to right, #ff8a00, #da1b60);

}

.controls button {

margin: 5px;

padding: 10px 20px;

font-size: 16px;

cursor: pointer;

}

</style>

</head>

<body>

<div class="stopwatch">

<h2>Stopwatch</h2>

<p id="display">00:00:00</p>

<div class="controls">

<button onclick="start()">Start</button>

<button onclick="pause()">Pause</button>

<button onclick="reset()">Reset</button>

<button onclick="lap()">Lap</button>

</div>

<p id="lapTimes"></p>

</div>

<script>

// JavaScript Functionality

let startTime;

let elapsedTime = 0;

let timerInterval;

let laps = [];

function start() {

if (!timerInterval) {

startTime = Date.now() - elapsedTime;

timerInterval = setInterval(updateDisplay, 10);

}

}

function pause() {

clearInterval(timerInterval);

timerInterval = null;

}

function reset() {

clearInterval(timerInterval);

timerInterval = null;

elapsedTime = 0;

updateDisplay();

laps = [];

document.getElementById('lapTimes').innerText = '';

}

function lap() {

if (timerInterval) {

laps.push(formatTime(elapsedTime));

document.getElementById('lapTimes').innerText = laps.join(' | ');

}

}

function updateDisplay() {

elapsedTime = Date.now() - startTime;

document.getElementById('display').innerText = formatTime(elapsedTime);

}

function formatTime(milliseconds) {

let totalSeconds = Math.floor(milliseconds / 1000);

let minutes = Math.floor(totalSeconds / 60);

let seconds = totalSeconds % 60;

let millisecondsRemaining = Math.floor((milliseconds % 1000) / 10);

return ${pad(minutes)}:${pad(seconds)}:${pad(millisecondsRemaining)};

}

function pad(num) {

return num < 10 ? '0' + num : num;

}

</script>

</body>

</html>