Task2

scriptt.js

const display = document.getElementById('display');

const startBtn = document.getElementById('start');

const pauseBtn = document.getElementById('pause');

const resetBtn = document.getElementById('reset');

let startTime = 0;

let elapsed = 0;

let timer = null;

let running = false;

function formatTime(ms) {

const cs = Math.floor((ms % 1000) / 10);

const s = Math.floor((ms / 1000) % 60);

const m = Math.floor((ms / 60000) % 60);

const h = Math.floor(ms / 3600000);

return (

h.toString().padStart(2, '0') + ':' +

m.toString().padStart(2, '0') + ':' +

s.toString().padStart(2, '0') + '.' +

cs.toString().padStart(2, '0')

);

}

function updateDisplay() {

display.textContent = formatTime(elapsed);

}

function setButtonStates() {

startBtn.disabled = running;

pauseBtn.disabled = !running;

resetBtn.disabled = elapsed === 0 && !running;

}

function start() {

if (running) return;

running = true;

startTime = Date.now() - elapsed;

clearInterval(timer);

timer = setInterval(() => {

elapsed = Date.now() - startTime;

updateDisplay();

}, 10);

setButtonStates();

}

function pause() {

if (!running) return;

running = false;

clearInterval(timer);

setButtonStates();

}

function reset() {

running = false;

clearInterval(timer);

elapsed = 0;

updateDisplay();

setButtonStates();

}

startBtn.addEventListener('click', start);

pauseBtn.addEventListener('click', pause);

resetBtn.addEventListener('click', reset);

// Keyboard shortcuts: Space = start/pause, R = reset

document.addEventListener('keydown', (e) => {

if (e.target.tagName === 'INPUT' || e.target.tagName === 'TEXTAREA') return;

if (e.code === 'Space') {

e.preventDefault();

running ? pause() : start();

}

if (e.key.toLowerCase() === 'r') {

e.preventDefault();

reset();

}

});

// Focus effect for display

display.addEventListener('click', () => display.focus());

updateDisplay();

setButtonStates();