<!DOCTYPE html>

<html lang="de">

<head>

<meta charset="UTF-8">

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

<title>Währungsrechner</title>

<script src="https://cdn.jsdelivr.net/npm/chart.js"></script>

<style>

body {

margin: 0;

padding: 0;

background: url('https://images.unsplash.com/photo-1605559424305-9b7b74a87fd5?crop=entropy&cs=tinysrgb&fit=max&fm=jpg&q=80&w=1080') no-repeat center center fixed;

background-size: cover;

color: #fff;

font-family: Arial, sans-serif;

text-align: center;

}

#overlay {

background-color: rgba(0, 0, 0, 0.6);

position: absolute;

top: 0;

left: 0;

width: 100%;

height: 100%;

z-index: -1;

}

#container {

margin: auto;

padding: 20px;

border: 2px solid #ff0000;

border-radius: 10px;

max-width: 400px;

background-color: rgba(17, 17, 17, 0.9);

}

input, button, select {

width: 90%;

margin: 10px 0;

padding: 10px;

font-size: 16px;

border: 1px solid #ff0000;

border-radius: 5px;

}

input, select {

background-color: #333;

color: #fff;

}

button {

background-color: #ff0000;

color: #fff;

cursor: pointer;

}

button:hover {

background-color: #cc0000;

}

#result {

margin-top: 20px;

}

#chart-container {

margin-top: 20px;

}

#banner {

background-color: #222;

color: #fff;

padding: 10px;

margin-bottom: 20px;

overflow: hidden;

white-space: nowrap;

box-shadow: 0 2px 5px rgba(0, 0, 0, 0.3);

}

#banner p {

display: inline-block;

animation: scrollBanner 20s linear infinite;

}

@keyframes scrollBanner {

from { transform: translateX(100%); }

to { transform: translateX(-100%); }

}

#musicToggle {

position: fixed;

top: 20px;

right: 20px;

width: 40px;

height: 40px;

background: url('https://img.icons8.com/ios-filled/50/ffffff/musical-notes.png') center no-repeat;

background-size: 30px;

cursor: pointer;

border-radius: 50%;

border: 2px solid #ff0000;

}

#musicToggle.off {

background: url('https://img.icons8.com/ios-filled/50/ffffff/no-audio.png') center no-repeat;

background-size: 30px;

}

footer {

margin-top: 20px;

font-size: 14px;

color: #aaa;

}

footer a {

color: #ff0000;

text-decoration: none;

}

footer a:hover {

text-decoration: underline;

}

#subtitle {

font-size: 12px;

color: #aaa;

margin-top: -10px;

}

</style>

</head>

<body>

<div id="overlay"></div>

<div id="musicToggle" class="off" onclick="toggleMusic()"></div>

<div id="banner">

<p id="importantCurrencies">Wichtige Wechselkurse: Lade...</p>

</div>

<div id="container">

<h1>Währungsrechner</h1>

<p id="subtitle">By Pati</p>

<select id="baseCurrency">

<option value="CHF" selected>🇨🇭 CHF - Schweizer Franken</option>

<option value="EUR">🇪🇺 EUR - Euro</option>

<option value="USD">🇺🇸 USD - US-Dollar</option>

<option value="GBP">🇬🇧 GBP - Britisches Pfund</option>

<option value="HUF">🇭🇺 HUF - Ungarischer Forint</option>

</select>

<select id="targetCurrency">

<option value="EUR" selected>🇪🇺 EUR - Euro</option>

<option value="CHF">🇨🇭 CHF - Schweizer Franken</option>

<option value="USD">🇺🇸 USD - US-Dollar</option>

<option value="GBP">🇬🇧 GBP - Britisches Pfund</option>

<option value="HUF">🇭🇺 HUF - Ungarischer Forint</option>

</select>

<input type="number" id="amount" placeholder="Betrag eingeben" />

<button onclick="convert()">Umrechnen</button>

<p id="currentRate">Aktueller Kurs: -</p>

<p id="result">Bitte gib einen gültigen Betrag ein</p>

</div>

<div id="chart-container">

<canvas id="rateChart" width="400" height="200"></canvas>

</div>

<audio id="backgroundMusic" loop>

<source src="https://orf-live.ors-shoutcast.at/oe3-q2a" type="audio/mpeg">

Ihr Browser unterstützt kein Audio.

</audio>

<footer>

<p>Powered by <a href="#">Pati</a></p>

</footer>

<script>

const music = document.getElementById('backgroundMusic');

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

const banner = document.getElementById('importantCurrencies');

function toggleMusic() {

if (music.paused) {

music.play();

musicToggle.classList.remove('off');

} else {

music.pause();

musicToggle.classList.add('off');

}

}

async function updateBanner() {

try {

const response = await fetch(`https://api.frankfurter.app/latest?from=USD&to=EUR,GBP,CHF`);

const data = await response.json();

const rates = Object.entries(data.rates)

.map(([currency, rate]) => `${currency}: ${rate.toFixed(4)}`)

.join(' | ');

banner.textContent = `Wichtige Wechselkurse: ${rates}`;

} catch (error) {

banner.textContent = "Fehler beim Laden der Wechselkurse.";

}

}

async function convert() {

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

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

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

const resultField = document.getElementById('result');

const currentRateField = document.getElementById('currentRate');

if (!amount || amount <= 0) {

resultField.textContent = "Bitte gib einen gültigen Betrag ein.";

return;

}

try {

const response = await fetch(`https://api.frankfurter.app/latest?from=${baseCurrency}&to=${targetCurrency}`);

const data = await response.json();

const rate = data.rates[targetCurrency];

const convertedAmount = (amount \* rate).toFixed(2);

resultField.textContent = `${amount} ${baseCurrency} = ${convertedAmount} ${targetCurrency}`;

currentRateField.textContent = `Aktueller Kurs: 1 ${baseCurrency} = ${rate.toFixed(4)} ${targetCurrency}`;

} catch (error) {

resultField.textContent = "Fehler beim Abrufen des Wechselkurses.";

}

}

async function plotChart() {

try {

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

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

const response = await fetch(`https://api.frankfurter.app/2024-11-01..2024-12-01?from=${baseCurrency}&to=${targetCurrency}`);

const data = await response.json();

const dates = Object.keys(data.rates);

const rates = dates.map(date => data.rates[date][targetCurrency]);

const ctx = document.getElementById('rateChart').getContext('2d');

new Chart(ctx, {

type: 'line',

data: {

labels: dates,

datasets: [{

label: `${baseCurrency} zu ${targetCurrency} (letzter Monat)`,

data: rates,

borderColor: 'red',

backgroundColor: 'rgba(255, 0, 0, 0.2)',

tension: 0.3

}]

},

options: {

responsive: true,

plugins: {

legend: {

labels: { color: '#fff' }

}

},

scales: {

x: { ticks: { color: '#fff' } },

y: { ticks: { color: '#fff' } }

}

}

});

} catch (error) {

console.error("Fehler beim Laden des Diagramms:", error);

}

}

updateBanner();

plotChart();

</script>

</body>

</html>