<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

<meta name="viewport" content="width=device-width, initial-scale=1" />

<title>SDKP-QCC Minting & Recognition Ledger</title>

<style>

body { font-family: Arial, sans-serif; margin: 1rem; background: #f9f9f9; }

h1, h2 { color: #222; }

label { display: block; margin: 0.5rem 0 0.2rem; }

input, select, button { padding: 0.4rem; margin-bottom: 1rem; width: 100%; max-width: 400px; }

fieldset { margin-bottom: 1rem; padding: 1rem; background: #fff; border: 1px solid #ccc; }

.ledger-table { border-collapse: collapse; width: 100%; max-width: 900px; margin-top: 2rem; }

.ledger-table th, .ledger-table td { border: 1px solid #aaa; padding: 0.5rem; text-align: left; font-size: 0.9rem; }

.ledger-table th { background: #ddd; }

.citation { font-size: 0.85rem; margin-top: 1rem; background: #eef; padding: 0.8rem; border-radius: 4px; }

.flex-row { display: flex; gap: 1rem; flex-wrap: wrap; max-width: 420px; }

.flex-col { flex: 1 1 200px; }

</style>

</head>

<body>

<h1>SDKP-QCC Minting Portal</h1>

<section id="mint-section">

<h2>Mint a New SDKP-QCC Asset</h2>

<form id="mint-form">

<label for="domain">Subject Domain (SD):</label>

<select id="domain" required>

<option value="" disabled selected>Select Domain</option>

<option value="19">19</option>

<option value="11">11</option>

<option value="07">07</option>

<option value="03">03</option>

</select>

<label for="serial">Unique Number (NNNN):</label>

<input id="serial" type="number" min="1" max="9999" required placeholder="Enter 4-digit number" />

<label for="date">Date (YYYYMMDD):</label>

<input id="date" type="text" readonly />

<label for="license">License:</label>

<select id="license" required>

<option value="Father Time Standard License v1.1" selected>Father Time Standard License v1.1</option>

<option value="Custom License">Custom License</option>

</select>

<fieldset>

<legend>Sub-Frames</legend>

<label><input type="checkbox" name="subframe" value="VFE1" /> VFE1</label>

<label><input type="checkbox" name="subframe" value="Tier 8" /> Tier 8</label>

<label><input type="checkbox" name="subframe" value="Kapnack Solver" /> Kapnack Solver</label>

</fieldset>

<fieldset>

<legend>Simulation Domains</legend>

<label><input type="checkbox" name="simulation" value="Quantum Entanglement" /> Quantum Entanglement</label>

<label><input type="checkbox" name="simulation" value="Cosmology (EOS)" /> Cosmology (EOS)</label>

<label><input type="checkbox" name="simulation" value="Rotational Pipeline" /> Rotational Pipeline</label>

<label><input type="checkbox" name="simulation" value="Matter–Antimatter Asymmetry" /> Matter–Antimatter Asymmetry</label>

</fieldset>

<button type="submit">Generate & Mint Asset</button>

</form>

<div id="mint-output" style="margin-top:1rem; font-family: monospace;"></div>

<div id="citation-box" class="citation" style="display:none;"></div>

</section>

<section id="ledger-section">

<h2>Recognition Ledger</h2>

<table class="ledger-table" id="ledger-table">

<thead>

<tr>

<th>Record ID</th>

<th>Contributor</th>

<th>Item</th>

<th>Framework</th>

<th>Simulations</th>

<th>License</th>

<th>Date</th>

<th>DOIs</th>

<th>Signature</th>

</tr>

</thead>

<tbody id="ledger-body">

<!-- Ledger entries inserted here -->

</tbody>

</table>

</section>

<script>

// Constants: Known DOIs & Citations

const DOI\_MAP = {

"SDKP-QCC Standard": "10.1142/S0217732324501967",

"Father Time License Record": "10.5281/zenodo.15477981"

};

const CITATIONS = [

{

key: "SDKP-QCC Standard",

apa: "Smith, D. P. (2025). The SDKP-QCC Cryptographic Key Standard. DOI: 10.1142/S0217732324501967",

bibtex: `@article{smith2025sdkp-qcc,

author = {Donald Paul Smith aka Father Time},

title = {The SDKP-QCC Cryptographic Key Standard},

year = {2025},

doi = {10.1142/S0217732324501967}

}`

},

{

key: "Father Time License Record",

apa: "Smith, D. P. (2025). Father Time Scientific Authorship Record. DOI: 10.5281/zenodo.15477981",

bibtex: `@misc{smith2025ft-authorship,

author = {Donald Paul Smith aka Father Time},

title = {Father Time Scientific Authorship Record},

year = {2025},

doi = {10.5281/zenodo.15477981}

}`

}

];

// Utility: SHA-256 Hash function (returns hex)

async function sha256(message) {

const msgBuffer = new TextEncoder().encode(message);

const hashBuffer = await crypto.subtle.digest('SHA-256', msgBuffer);

const hashArray = Array.from(new Uint8Array(hashBuffer));

return hashArray.map(b => b.toString(16).padStart(2, '0')).join('');

}

// Initialize date input

const dateInput = document.getElementById('date');

const today = new Date();

const yyyy = today.getFullYear();

const mm = String(today.getMonth() + 1).padStart(2 dois: [DOI\_MAP["SDKP-QCC Standard"], DOI\_MAP["Father Time License Record"]],

signature: "genesis-signature-0001"

}

];

// Render ledger entries in the table

function renderLedger() {

const tbody = document.getElementById('ledger-body');

tbody.innerHTML = ''; // clear

ledger.forEach(record => {

const tr = document.createElement('tr');

tr.innerHTML = `

<td>${record.record\_id}</td>

<td>${record.contributor}</td>

<td>${record.item}</td>

<td>${record.framework.join(', ')}</td>

<td>${record.simulations ? record.simulations.join(', ') : ''}</td>

<td>${record.license}</td>

<td>${record.date}</td>

<td>

${record.dois.map(doi => `<a href="https://doi.org/${doi}" target="\_blank">${doi}</a>`).join(', ')}

</td>

<td><code>${record.signature}</code></td>

`;

tbody.appendChild(tr);

});

}

renderLedger();

// Form submit handler

document.getElementById('mint-form').addEventListener('submit', async (e) => {

e.preventDefault();

// Gather inputs

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

const serial = document.getElementById('serial').value.padStart(4, '0');

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

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

// Subframes selected

const subframes = [...document.querySelectorAll('input[name="subframe"]:checked')].map(cb => cb.value);

// Simulation domains selected

const simulations = [...document.querySelectorAll('input[name="simulation"]:checked')].map(cb => cb.value);

if (!domain || !serial) {

alert('Please select a domain and enter a serial number.');

return;

}

// Construct the SDKP-QCC key suffix hash placeholder (random hex for demo)

const randomHex = Math.floor(Math.random() \* 0xfffff).toString(16).padStart\*

{

"$schema": "http://json-schema.org/draft-07/schema#",

"title": "SDKP-QCC Recognition Ledger Entry",

"type": "object",

"properties": {

"record\_id": { "type": "string", "description": "Unique SDKP-QCC key" },

"contributor": { "type": "string", "description": "Author or contributor name" },

"item": { "type": "string", "description": "Description of the minted asset" },

"framework": {

"type": "array",

"items": { "type": "string" },

"description": "Framework sub-frames involved"

},

"simulations": {

"type": "array",

"items": { "type": "string" },

"description": "Simulation domains referenced"

},

"license": { "type": "string", "description": "Applied license" },

"date": { "type": "string", "format": "date", "description": "ISO date of minting" },

"dois": {

"type": "array",

"items": { "type": "string", "format": "uri" },

"description": "List of related DOIs"

},

"principles": {

"type": "array",

"items": { "type": "string" },

"description": "Principles or standards referenced"

},

"signature": { "type": "string", "description": "Cryptographic signature or hash" },

"ipfs": { "type": ["string", "null"], "description": "IPFS CID or URL if applicable" }

},

"required": ["record\_id", "contributor", "item", "license", "date", "signature"]

}

{

"title": "SDKP-QCC Cryptographic Framework and Quantum Entanglement Predictions",

"creators": [

{

"name": "Smith, Donald Paul",

"affiliation": "Father Time Labs"

}

],

"description": "This work details the SDKP-QCC framework incorporating VFE1, Tier 8, Kapnack Solver sub-frames with quantum entanglement prediction, cosmology simulation, and matter-antimatter asymmetry.",

"keywords": [

"SDKP-QCC",

"Quantum Entanglement",

"Cosmology",

"Simulation",

"Cryptography",

"Kapnack Solver",

"Tier 8"

],

"license": "CC BY 4.0",

"related\_identifiers": [

{

"relation": "isReferencedBy",

"identifier": "10.1142/S0217732324501967",

"scheme": "doi"

},

{

"relation": "isReferencedBy",

"identifier": "10.5281/zenodo.15477981",

"scheme": "doi"

}

],

"date\_published": "2025-07-18"

}