<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>ISO Certification Checklist Generator</title>

<style>

\* {

margin: 0;

padding: 0;

box-sizing: border-box;

}

body {

font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;

background: linear-gradient(135deg, #667eea 0%, #764ba2 100%);

min-height: 100vh;

padding: 20px;

}

.container {

max-width: 1200px;

margin: 0 auto;

background: white;

border-radius: 20px;

box-shadow: 0 20px 40px rgba(0,0,0,0.1);

overflow: hidden;

}

.header {

background: linear-gradient(135deg, #2c3e50 0%, #3498db 100%);

color: white;

padding: 40px;

text-align: center;

}

.header h1 {

font-size: 2.5rem;

margin-bottom: 10px;

font-weight: 300;

}

.header p {

font-size: 1.1rem;

opacity: 0.9;

}

.content {

padding: 40px;

}

.form-section {

background: #f8f9fa;

border-radius: 15px;

padding: 30px;

margin-bottom: 30px;

border-left: 5px solid #3498db;

}

.form-section h2 {

color: #2c3e50;

margin-bottom: 20px;

font-size: 1.5rem;

display: flex;

align-items: center;

gap: 10px;

}

.form-group {

margin-bottom: 20px;

}

.form-row {

display: grid;

grid-template-columns: 1fr 1fr;

gap: 20px;

}

.form-group label {

display: block;

margin-bottom: 8px;

font-weight: 600;

color: #2c3e50;

}

.form-group input,

.form-group select,

.form-group textarea {

width: 100%;

padding: 12px;

border: 2px solid #e1e8ed;

border-radius: 8px;

font-size: 16px;

transition: all 0.3s ease;

}

.form-group input:focus,

.form-group select:focus,

.form-group textarea:focus {

outline: none;

border-color: #3498db;

box-shadow: 0 0 0 3px rgba(52, 152, 219, 0.1);

}

.checkbox-group {

display: grid;

grid-template-columns: repeat(auto-fit, minmax(250px, 1fr));

gap: 15px;

margin-top: 10px;

}

.checkbox-item {

background: white;

border: 2px solid #e1e8ed;

border-radius: 10px;

padding: 20px;

transition: all 0.3s ease;

cursor: pointer;

}

.checkbox-item:hover {

border-color: #3498db;

transform: translateY(-2px);

}

.checkbox-item.selected {

border-color: #3498db;

background: rgba(52, 152, 219, 0.05);

}

.checkbox-item input[type="checkbox"] {

margin-right: 10px;

width: auto;

}

.checkbox-item h3 {

color: #2c3e50;

margin-bottom: 5px;

}

.checkbox-item p {

color: #7f8c8d;

font-size: 0.9rem;

}

.generate-btn {

background: linear-gradient(135deg, #27ae60 0%, #2ecc71 100%);

color: white;

border: none;

padding: 15px 40px;

border-radius: 50px;

font-size: 1.1rem;

font-weight: 600;

cursor: pointer;

transition: all 0.3s ease;

display: block;

margin: 30px auto;

min-width: 200px;

}

.generate-btn:hover {

transform: translateY(-2px);

box-shadow: 0 10px 20px rgba(46, 204, 113, 0.3);

}

.checklist-section {

margin-top: 40px;

display: none;

}

.checklist-header {

background: linear-gradient(135deg, #8e44ad 0%, #9b59b6 100%);

color: white;

padding: 30px;

border-radius: 15px;

margin-bottom: 30px;

}

.checklist-header h2 {

font-size: 2rem;

margin-bottom: 10px;

}

.standard-section {

background: white;

border-radius: 15px;

margin-bottom: 30px;

box-shadow: 0 5px 15px rgba(0,0,0,0.08);

overflow: hidden;

}

.standard-header {

background: #34495e;

color: white;

padding: 20px;

font-size: 1.3rem;

font-weight: 600;

}

.clause-section {

border-left: 4px solid #3498db;

margin: 20px;

background: #f8f9fa;

border-radius: 10px;

}

.clause-header {

background: #ecf0f1;

padding: 15px 20px;

font-weight: 600;

color: #2c3e50;

border-bottom: 1px solid #bdc3c7;

}

.requirement-item {

padding: 15px 20px;

border-bottom: 1px solid #ecf0f1;

display: flex;

align-items: flex-start;

gap: 15px;

}

.requirement-item:last-child {

border-bottom: none;

}

.requirement-checkbox {

margin-top: 5px;

}

.requirement-content {

flex: 1;

}

.requirement-title {

font-weight: 600;

color: #2c3e50;

margin-bottom: 5px;

}

.requirement-description {

color: #7f8c8d;

font-size: 0.9rem;

line-height: 1.4;

}

.progress-section {

background: linear-gradient(135deg, #f39c12 0%, #e67e22 100%);

color: white;

padding: 20px;

border-radius: 15px;

margin-bottom: 30px;

text-align: center;

}

.progress-bar {

background: rgba(255,255,255,0.3);

height: 10px;

border-radius: 5px;

margin: 15px 0;

overflow: hidden;

}

.progress-fill {

background: white;

height: 100%;

border-radius: 5px;

transition: width 0.3s ease;

width: 0%;

}

.export-btn {

background: linear-gradient(135deg, #e74c3c 0%, #c0392b 100%);

color: white;

border: none;

padding: 12px 30px;

border-radius: 25px;

font-weight: 600;

cursor: pointer;

margin: 10px;

transition: all 0.3s ease;

}

.export-btn:hover {

transform: translateY(-2px);

box-shadow: 0 5px 15px rgba(231, 76, 60, 0.3);

}

@media (max-width: 768px) {

.form-row {

grid-template-columns: 1fr;

}

.checkbox-group {

grid-template-columns: 1fr;

}

.header h1 {

font-size: 2rem;

}

.content {

padding: 20px;

}

}

</style>

</head>

<body>

<div class="container">

<div class="header">

<h1>ISO Certification Checklist Generator</h1>

<p>Generate customized compliance checklists for your organization</p>

</div>

<div class="content">

<form id="companyForm">

<div class="form-section">

<h2>🏢 Company Information</h2>

<div class="form-row">

<div class="form-group">

<label for="companyName">Company Name</label>

<input type="text" id="companyName" name="companyName" required>

</div>

<div class="form-group">

<label for="industry">Industry</label>

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

<option value="">Select Industry</option>

<option value="technology">Technology</option>

<option value="finance">Financial Services</option>

<option value="healthcare">Healthcare</option>

<option value="manufacturing">Manufacturing</option>

<option value="retail">Retail</option>

<option value="government">Government</option>

<option value="education">Education</option>

<option value="other">Other</option>

</select>

</div>

</div>

<div class="form-row">

<div class="form-group">

<label for="companySize">Company Size</label>

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

<option value="">Select Size</option>

<option value="small">Small (1-50 employees)</option>

<option value="medium">Medium (51-250 employees)</option>

<option value="large">Large (251-1000 employees)</option>

<option value="enterprise">Enterprise (1000+ employees)</option>

</select>

</div>

<div class="form-group">

<label for="maturityLevel">Current Security/IT Maturity Level</label>

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

<option value="">Select Level</option>

<option value="basic">Basic - Minimal processes</option>

<option value="developing">Developing - Some processes in place</option>

<option value="defined">Defined - Documented processes</option>

<option value="managed">Managed - Measured processes</option>

<option value="optimized">Optimized - Continuously improving</option>

</select>

</div>

</div>

<div class="form-group">

<label for="companyDescription">Brief Company Description (Optional)</label>

<textarea id="companyDescription" name="companyDescription" rows="3" placeholder="Describe your business, key services, and any specific compliance requirements..."></textarea>

</div>

</div>

<div class="form-section">

<h2>📋 Select ISO Standards</h2>

<p>Choose the ISO standards you want to implement:</p>

<div class="checkbox-group">

<div class="checkbox-item" data-standard="iso27001">

<input type="checkbox" id="iso27001" name="standards" value="iso27001">

<h3>ISO 27001</h3>

<p>Information Security Management System (ISMS)</p>

</div>

<div class="checkbox-item" data-standard="iso20000">

<input type="checkbox" id="iso20000" name="standards" value="iso20000">

<h3>ISO 20000</h3>

<p>IT Service Management System (ITSMS)</p>

</div>

<div class="checkbox-item" data-standard="iso9001">

<input type="checkbox" id="iso9001" name="standards" value="iso9001">

<h3>ISO 9001</h3>

<p>Quality Management System (QMS)</p>

</div>

</div>

</div>

<button type="submit" class="generate-btn" onclick="handleGenerateClick(event)">Generate Customized Checklist</button>

</form>

<div id="checklistSection" class="checklist-section">

<div class="checklist-header">

<h2>Your Customized ISO Compliance Checklist</h2>

<p id="checklistSubtitle">Generated for your organization</p>

</div>

<div class="progress-section">

<h3>Overall Progress</h3>

<div class="progress-bar">

<div class="progress-fill" id="progressFill"></div>

</div>

<p id="progressText">0% Complete (0 of 0 items completed)</p>

<div style="margin-top: 15px;">

<button class="export-btn" onclick="exportToPDF()">Export to PDF</button>

<button class="export-btn" onclick="exportToCSV()">Export to CSV</button>

</div>

</div>

<div id="checklistContent"></div>

</div>

</div>

</div>

<script>

// ISO Standards data structure

const isoStandards = {

iso27001: {

name: "ISO 27001 - Information Security Management",

clauses: {

"4": {

title: "Context of the Organization",

requirements: [

{

id: "4.1",

title: "Understanding the organization and its context",

description: "Determine external and internal issues relevant to the ISMS purpose and strategic direction"

},

{

id: "4.2",

title: "Understanding the needs and expectations of interested parties",

description: "Determine interested parties and their information security requirements"

},

{

id: "4.3",

title: "Determining the scope of the ISMS",

description: "Define boundaries and applicability of the ISMS"

},

{

id: "4.4",

title: "Information security management system",

description: "Establish, implement, maintain and continually improve the ISMS"

}

]

},

"5": {

title: "Leadership",

requirements: [

{

id: "5.1",

title: "Leadership and commitment",

description: "Top management must demonstrate leadership and commitment to the ISMS"

},

{

id: "5.2",

title: "Policy",

description: "Establish an information security policy appropriate to the organization"

},

{

id: "5.3",

title: "Organizational roles, responsibilities and authorities",

description: "Assign and communicate information security responsibilities"

}

]

},

"6": {

title: "Planning",

requirements: [

{

id: "6.1.1",

title: "Actions to address risks and opportunities - General",

description: "Plan actions to address information security risks and opportunities"

},

{

id: "6.1.2",

title: "Information security risk assessment",

description: "Define and apply an information security risk assessment process"

},

{

id: "6.1.3",

title: "Information security risk treatment",

description: "Define and apply information security risk treatment process"

},

{

id: "6.2",

title: "Information security objectives and planning to achieve them",

description: "Establish measurable information security objectives"

}

]

},

"7": {

title: "Support",

requirements: [

{

id: "7.1",

title: "Resources",

description: "Determine and provide resources needed for the ISMS"

},

{

id: "7.2",

title: "Competence",

description: "Ensure persons are competent in information security"

},

{

id: "7.3",

title: "Awareness",

description: "Ensure relevant persons are aware of information security policy and their contribution"

},

{

id: "7.4",

title: "Communication",

description: "Determine internal and external communications relevant to the ISMS"

},

{

id: "7.5",

title: "Documented information",

description: "Control documented information required by the ISMS"

}

]

},

"8": {

title: "Operation",

requirements: [

{

id: "8.1",

title: "Operational planning and control",

description: "Plan, implement and control processes needed to meet information security requirements"

},

{

id: "8.2",

title: "Information security risk assessment",

description: "Perform information security risk assessments at planned intervals"

},

{

id: "8.3",

title: "Information security risk treatment",

description: "Implement the information security risk treatment plan"

}

]

},

"9": {

title: "Performance Evaluation",

requirements: [

{

id: "9.1",

title: "Monitoring, measurement, analysis and evaluation",

description: "Monitor and measure information security processes and controls"

},

{

id: "9.2",

title: "Internal audit",

description: "Conduct internal ISMS audits at planned intervals"

},

{

id: "9.3",

title: "Management review",

description: "Review the ISMS at planned intervals to ensure continuing suitability"

}

]

},

"10": {

title: "Improvement",

requirements: [

{

id: "10.1",

title: "Nonconformity and corrective action",

description: "When nonconformity occurs, take corrective action and deal with consequences"

},

{

id: "10.2",

title: "Continual improvement",

description: "Continually improve the suitability, adequacy and effectiveness of the ISMS"

}

]

}

}

},

iso20000: {

name: "ISO 20000 - IT Service Management",

clauses: {

"4": {

title: "Context of the Organization",

requirements: [

{

id: "4.1",

title: "Understanding the organization and its context",

description: "Determine external and internal issues relevant to the SMS purpose"

},

{

id: "4.2",

title: "Understanding the needs and expectations of interested parties",

description: "Determine interested parties relevant to the SMS and their requirements"

},

{

id: "4.3",

title: "Determining the scope of the SMS",

description: "Define boundaries and applicability of the service management system"

},

{

id: "4.4",

title: "Service management system",

description: "Establish, implement, maintain and continually improve the SMS"

}

]

},

"5": {

title: "Leadership",

requirements: [

{

id: "5.1",

title: "Leadership and commitment",

description: "Top management demonstrates leadership and commitment to the SMS"

},

{

id: "5.2",

title: "Policy",

description: "Establish service management policy appropriate to the organization"

},

{

id: "5.3",

title: "Organizational roles, responsibilities and authorities",

description: "Assign and communicate service management responsibilities"

}

]

},

"6": {

title: "Planning",

requirements: [

{

id: "6.1",

title: "Actions to address risks and opportunities",

description: "Plan actions to address risks and opportunities for the SMS"

},

{

id: "6.2",

title: "Service management objectives and planning to achieve them",

description: "Establish measurable service management objectives"

}

]

},

"7": {

title: "Support",

requirements: [

{

id: "7.1",

title: "Resources",

description: "Determine and provide resources needed for the SMS"

},

{

id: "7.2",

title: "Competence",

description: "Ensure persons are competent in service management"

},

{

id: "7.3",

title: "Awareness",

description: "Ensure awareness of service management policy and contribution to SMS effectiveness"

},

{

id: "7.4",

title: "Communication",

description: "Determine communications relevant to the SMS"

},

{

id: "7.5",

title: "Documented information",

description: "Control documented information required by the SMS"

}

]

},

"8": {

title: "Operation",

requirements: [

{

id: "8.1",

title: "Operational planning and control",

description: "Plan, implement and control processes for service provision"

},

{

id: "8.2",

title: "Service portfolio management",

description: "Manage services through their lifecycle"

},

{

id: "8.3",

title: "Change management",

description: "Control changes to services and service management system"

},

{

id: "8.4",

title: "Incident and service request management",

description: "Manage incidents and service requests effectively"

},

{

id: "8.5",

title: "Problem management",

description: "Identify and manage problems to prevent incidents"

}

]

},

"9": {

title: "Performance Evaluation",

requirements: [

{

id: "9.1",

title: "Monitoring, measurement, analysis and evaluation",

description: "Monitor and measure service management processes"

},

{

id: "9.2",

title: "Internal audit",

description: "Conduct internal SMS audits"

},

{

id: "9.3",

title: "Management review",

description: "Review the SMS for continuing suitability and effectiveness"

}

]

},

"10": {

title: "Improvement",

requirements: [

{

id: "10.1",

title: "Nonconformity and corrective action",

description: "Handle nonconformities and implement corrective actions"

},

{

id: "10.2",

title: "Continual improvement",

description: "Continually improve SMS suitability, adequacy and effectiveness"

}

]

}

}

},

iso9001: {

name: "ISO 9001 - Quality Management",

clauses: {

"4": {

title: "Context of the Organization",

requirements: [

{

id: "4.1",

title: "Understanding the organization and its context",

description: "Determine external and internal issues relevant to QMS purpose"

},

{

id: "4.2",

title: "Understanding the needs and expectations of interested parties",

description: "Determine interested parties and their quality requirements"

},

{

id: "4.3",

title: "Determining the scope of the QMS",

description: "Define boundaries and applicability of the quality management system"

},

{

id: "4.4",

title: "Quality management system and its processes",

description: "Establish, implement, maintain and continually improve the QMS"

}

]

},

"5": {

title: "Leadership",

requirements: [

{

id: "5.1",

title: "Leadership and commitment",

description: "Top management demonstrates leadership and commitment to the QMS"

},

{

id: "5.2",

title: "Policy",

description: "Establish quality policy appropriate to the organization"

},

{

id: "5.3",

title: "Organizational roles, responsibilities and authorities",

description: "Assign and communicate quality management responsibilities"

}

]

},

"6": {

title: "Planning",

requirements: [

{

id: "6.1",

title: "Actions to address risks and opportunities",

description: "Plan actions to address risks and opportunities for the QMS"

},

{

id: "6.2",

title: "Quality objectives and planning to achieve them",

description: "Establish measurable quality objectives"

},

{

id: "6.3",

title: "Planning of changes",

description: "When changes to QMS are needed, carry them out in a planned manner"

}

]

},

"7": {

title: "Support",

requirements: [

{

id: "7.1",

title: "Resources",

description: "Determine and provide resources needed for the QMS"

},

{

id: "7.2",

title: "Competence",

description: "Ensure persons are competent in quality management"

},

{

id: "7.3",

title: "Awareness",

description: "Ensure awareness of quality policy and relevant quality objectives"

},

{

id: "7.4",

title: "Communication",

description: "Determine communications relevant to the QMS"

},

{

id: "7.5",

title: "Documented information",

description: "Control documented information required by the QMS"

}

]

},

"8": {

title: "Operation",

requirements: [

{

id: "8.1",

title: "Operational planning and control",

description: "Plan, implement and control processes for product/service provision"

},

{

id: "8.2",

title: "Requirements for products and services",

description: "Determine and review requirements for products and services"

},

{

id: "8.3",

title: "Design and development of products and services",

description: "Establish design and development process appropriate to products/services"

},

{

id: "8.4",

title: "Control of externally provided processes, products and services",

description: "Control externally provided processes, products and services"

},

{

id: "8.5",

title: "Production and service provision",

description: "Implement production and service provision under controlled conditions"

},

{

id: "8.6",

title: "Release of products and services",

description: "Implement planned arrangements to verify requirements are met"

},

{

id: "8.7",

title: "Control of nonconforming outputs",

description: "Control nonconforming outputs to prevent unintended use or delivery"

}

]

},

"9": {

title: "Performance Evaluation",

requirements: [

{

id: "9.1",

title: "Monitoring, measurement, analysis and evaluation",

description: "Monitor and measure quality management processes"

},

{

id: "9.2",

title: "Internal audit",

description: "Conduct internal QMS audits"

},

{

id: "9.3",

title: "Management review",

description: "Review the QMS for continuing suitability and effectiveness"

}

]

},

"10": {

title: "Improvement",

requirements: [

{

id: "10.1",

title: "General",

description: "Determine and select opportunities for improvement"

},

{

id: "10.2",

title: "Nonconformity and corrective action",

description: "Handle nonconformities and implement corrective actions"

},

{

id: "10.3",

title: "Continual improvement",

description: "Continually improve QMS suitability, adequacy and effectiveness"

}

]

}

}

}

};

let generatedChecklist = [];

let completedItems = [];

// Initialize standard selectors when DOM is loaded

document.addEventListener('DOMContentLoaded', function() {

const checkboxItems = document.querySelectorAll('.checkbox-item');

checkboxItems.forEach(item => {

const checkbox = item.querySelector('input[type="checkbox"]');

// Handle clicking on the card (but not the checkbox)

item.addEventListener('click', function(e) {

if (e.target.type !== 'checkbox') {

checkbox.checked = !checkbox.checked;

updateCheckboxItemStyle(item, checkbox.checked);

}

});

// Handle direct checkbox clicks

checkbox.addEventListener('change', function() {

updateCheckboxItemStyle(item, this.checked);

});

});

});

// Set up form submission (outside DOMContentLoaded to ensure it works)

document.addEventListener('DOMContentLoaded', function() {

document.getElementById('companyForm').addEventListener('submit', function(e) {

e.preventDefault();

console.log('Form submitted!'); // Debug line

generateChecklist();

});

});

function updateCheckboxItemStyle(item, isChecked) {

item.classList.toggle('selected', isChecked);

}

// Backup click handler for the generate button

function handleGenerateClick(event) {

event.preventDefault();

console.log('Button clicked directly!'); // Debug line

generateChecklist();

}

function generateChecklist() {

console.log('generateChecklist function called!'); // Debug line

const formData = new FormData(document.getElementById('companyForm'));

const companyInfo = {

name: formData.get('companyName'),

industry: formData.get('industry'),

size: formData.get('companySize'),

maturityLevel: formData.get('maturityLevel'),

description: formData.get('companyDescription')

};

console.log('Company info:', companyInfo); // Debug line

const selectedStandards = Array.from(document.querySelectorAll('input[name="standards"]:checked'))

.map(cb => cb.value);

console.log('Selected standards:', selectedStandards); // Debug line

if (selectedStandards.length === 0) {

alert('Please select at least one ISO standard');

return;

}

// Check for required fields

if (!companyInfo.name || !companyInfo.industry || !companyInfo.size || !companyInfo.maturityLevel) {

alert('Please fill in all required company information fields');

return;

}

generatedChecklist = [];

let totalRequirements = 0;

selectedStandards.forEach(standard => {

const standardData = isoStandards[standard];

Object.keys(standardData.clauses).forEach(clauseNumber => {

const clause = standardData.clauses[clauseNumber];

clause.requirements.forEach(requirement => {

generatedChecklist.push({

standard: standard,

standardName: standardData.name,

clauseNumber: clauseNumber,

clauseTitle: clause.title,

...requirement,

completed: false,

priority: calculatePriority(requirement, companyInfo),

customNotes: generateCustomNotes(requirement, companyInfo)

});

totalRequirements++;

});

});

});

// Sort by priority and clause number

generatedChecklist.sort((a, b) => {

if (a.priority !== b.priority) {

return b.priority - a.priority; // High priority first

}

return a.clauseNumber.localeCompare(b.clauseNumber);

});

displayChecklist(companyInfo, selectedStandards);

document.getElementById('checklistSection').style.display = 'block';

document.getElementById('checklistSection').scrollIntoView({ behavior: 'smooth' });

}

function calculatePriority(requirement, companyInfo) {

let priority = 1; // Base priority

// Increase priority based on company size

if (companyInfo.size === 'enterprise') priority += 2;

else if (companyInfo.size === 'large') priority += 1;

// Increase priority based on industry

if (['finance', 'healthcare', 'government'].includes(companyInfo.industry)) {

priority += 2;

}

// Increase priority for foundational requirements

if (requirement.id.startsWith('4.') || requirement.id.startsWith('5.')) {

priority += 2;

}

// Adjust based on maturity level

if (companyInfo.maturityLevel === 'basic' &&

(requirement.id.startsWith('4.') || requirement.id.startsWith('5.'))) {

priority += 3;

}

return Math.min(priority, 5); // Cap at 5

}

function generateCustomNotes(requirement, companyInfo) {

let notes = [];

// Add industry-specific notes

if (companyInfo.industry === 'finance' && requirement.id.includes('6.1')) {

notes.push("Consider financial regulations (PCI DSS, SOX) in risk assessment");

}

if (companyInfo.industry === 'healthcare' && requirement.id.includes('7.5')) {

notes.push("Ensure HIPAA compliance for documented information");

}

// Add size-specific notes

if (companyInfo.size === 'small' && requirement.id.startsWith('7.1')) {

notes.push("Consider outsourcing or shared resources to meet requirements cost-effectively");

}

if (companyInfo.size === 'enterprise' && requirement.id.includes('7.4')) {

notes.push("Implement formal communication channels across all business units");

}

// Add maturity-specific notes

if (companyInfo.maturityLevel === 'basic' && requirement.id.startsWith('4.')) {

notes.push("Start with basic documentation and gradually increase complexity");

}

return notes.join('. ');

}

function displayChecklist(companyInfo, selectedStandards) {

document.getElementById('checklistSubtitle').textContent =

`Generated for ${companyInfo.name} - ${selectedStandards.map(s => s.toUpperCase()).join(', ')}`;

const content = document.getElementById('checklistContent');

content.innerHTML = '';

// Group by standard

const groupedByStandard = generatedChecklist.reduce((acc, item) => {

if (!acc[item.standard]) acc[item.standard] = {};

if (!acc[item.standard][item.clauseNumber]) acc[item.standard][item.clauseNumber] = [];

acc[item.standard][item.clauseNumber].push(item);

return acc;

}, {});

Object.keys(groupedByStandard).forEach(standard => {

const standardSection = document.createElement('div');

standardSection.className = 'standard-section';

const standardHeader = document.createElement('div');

standardHeader.className = 'standard-header';

standardHeader.textContent = isoStandards[standard].name;

standardSection.appendChild(standardHeader);

Object.keys(groupedByStandard[standard]).sort().forEach(clauseNumber => {

const clauseSection = document.createElement('div');

clauseSection.className = 'clause-section';

const clauseHeader = document.createElement('div');

clauseHeader.className = 'clause-header';

const firstItem = groupedByStandard[standard][clauseNumber][0];

clauseHeader.textContent = `Clause ${clauseNumber}: ${firstItem.clauseTitle}`;

clauseSection.appendChild(clauseHeader);

groupedByStandard[standard][clauseNumber].forEach(requirement => {

const requirementItem = document.createElement('div');

requirementItem.className = 'requirement-item';

const priorityColor = {

5: '#e74c3c', 4: '#f39c12', 3: '#f1c40f', 2: '#27ae60', 1: '#95a5a6'

}[requirement.priority];

requirementItem.innerHTML = `

<input type="checkbox" class="requirement-checkbox"

onchange="toggleRequirement('${requirement.id}', this.checked)">

<div class="requirement-content">

<div class="requirement-title">

${requirement.id} - ${requirement.title}

<span style="color: ${priorityColor}; font-weight: bold; margin-left: 10px;">

Priority: ${'★'.repeat(requirement.priority)}

</span>

</div>

<div class="requirement-description">

${requirement.description}

${requirement.customNotes ? `<br><strong>Note:</strong> ${requirement.customNotes}` : ''}

</div>

</div>

`;

clauseSection.appendChild(requirementItem);

});

standardSection.appendChild(clauseSection);

});

content.appendChild(standardSection);

});

updateProgress();

}

function toggleRequirement(requirementId, isCompleted) {

const requirement = generatedChecklist.find(r => r.id === requirementId);

if (requirement) {

requirement.completed = isCompleted;

updateProgress();

}

}

function updateProgress() {

const totalItems = generatedChecklist.length;

const completedItems = generatedChecklist.filter(r => r.completed).length;

const percentage = totalItems > 0 ? Math.round((completedItems / totalItems) \* 100) : 0;

document.getElementById('progressFill').style.width = percentage + '%';

document.getElementById('progressText').textContent =

`${percentage}% Complete (${completedItems} of ${totalItems} items completed)`;

}

function exportToPDF() {

// In a real implementation, you would use a library like jsPDF

alert('PDF export functionality would be implemented here using libraries like jsPDF or server-side PDF generation.');

}

function exportToCSV() {

const csvContent = [

['Standard', 'Clause', 'Requirement ID', 'Title', 'Description', 'Priority', 'Completed', 'Custom Notes'],

...generatedChecklist.map(item => [

item.standardName,

`${item.clauseNumber}: ${item.clauseTitle}`,

item.id,

item.title,

item.description,

item.priority,

item.completed ? 'Yes' : 'No',

item.customNotes || ''

])

].map(row => row.map(cell => `"${cell}"`).join(',')).join('\n');

const blob = new Blob([csvContent], { type: 'text/csv' });

const url = window.URL.createObjectURL(blob);

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

a.href = url;

a.download = 'iso-compliance-checklist.csv';

a.click();

window.URL.revokeObjectURL(url);

}

</script>

</body>

</html>