<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>EduAI Lesson Planner</title>

<script src="https://cdn.tailwindcss.com"></script>

<script>

tailwind.config = {

theme: {

extend: {

animation: {

'spin': 'spin 1s linear infinite',

}

}

}

}

</script>

</head>

<body class="bg-gradient-to-br from-blue-50 to-indigo-100 min-h-screen">

<!-- Navigation -->

<nav class="bg-white shadow-sm border-b">

<div class="max-w-7xl mx-auto px-4 sm:px-6 lg:px-8">

<div class="flex justify-between items-center h-16">

<div class="flex items-center">

<div class="w-8 h-8 bg-indigo-600 rounded-lg flex items-center justify-center mr-3">

<span class="text-white font-bold">🧠</span>

</div>

<h1 class="text-xl font-bold text-gray-900">EduAI Planner</h1>

</div>

<div class="hidden md:flex space-x-8">

<button onclick="showSection('library')" id="nav-library" class="px-3 py-2 text-sm font-medium text-indigo-600 border-b-2 border-indigo-600">

📚 Lesson Library

</button>

<button onclick="showSection('dashboard')" id="nav-dashboard" class="px-3 py-2 text-sm font-medium text-gray-500 hover:text-gray-700">

📊 Dashboard

</button>

<button onclick="showSection('ai-helper')" id="nav-ai-helper" class="px-3 py-2 text-sm font-medium text-gray-500 hover:text-gray-700">

🤖 AI Helper

</button>

</div>

<button onclick="toggleMobileMenu()" class="md:hidden p-2 text-gray-400 hover:text-gray-500">

<span id="menu-icon">☰</span>

<span id="close-icon" class="hidden">✕</span>

</button>

</div>

<div id="mobile-menu" class="hidden md:hidden pb-4 space-y-2">

<button onclick="showSection('library'); toggleMobileMenu()" class="block w-full text-left px-3 py-2 text-gray-500 hover:text-gray-700">

📚 Lesson Library

</button>

<button onclick="showSection('dashboard'); toggleMobileMenu()" class="block w-full text-left px-3 py-2 text-gray-500 hover:text-gray-700">

📊 Dashboard

</button>

<button onclick="showSection('ai-helper'); toggleMobileMenu()" class="block w-full text-left px-3 py-2 text-gray-500 hover:text-gray-700">

🤖 AI Helper

</button>

</div>

</div>

</nav>

<!-- Main Content -->

<div class="max-w-7xl mx-auto p-6">

<!-- Library Section -->

<div id="library-section" class="section">

<div class="text-center mb-8">

<h2 class="text-4xl font-bold text-gray-900 mb-4">🎓 AI-Powered Lesson Planning</h2>

<p class="text-xl text-gray-600 mb-8">Create engaging, standards-aligned lesson plans in minutes</p>

<button onclick="showCreateForm()" class="bg-indigo-600 text-white px-8 py-4 rounded-lg hover:bg-indigo-700 transition-colors text-lg font-semibold">

✨ Create New Lesson Plan

</button>

</div>

<div class="grid md:grid-cols-2 lg:grid-cols-3 gap-6 mt-12">

<!-- Lesson Cards -->

<div class="bg-white rounded-xl shadow-lg hover:shadow-xl transition-all duration-300 p-6 border border-gray-100 cursor-pointer" onclick="viewLesson(1)">

<div class="flex justify-between items-start mb-4">

<div>

<h3 class="text-xl font-bold text-gray-800 mb-2">🔢 Introduction to Fractions</h3>

<div class="flex items-center gap-2 text-sm text-gray-600 flex-wrap">

<span class="bg-blue-100 text-blue-800 px-2 py-1 rounded-full">Mathematics</span>

<span class="bg-green-100 text-green-800 px-2 py-1 rounded-full">Grades 3-5</span>

<span class="flex items-center gap-1">⏰ 45 min</span>

</div>

</div>

<div class="flex items-center gap-1">

<span class="text-yellow-500">⭐</span>

<span class="text-sm font-medium">4.8</span>

</div>

</div>

<p class="text-gray-600 mb-4">Students learn basic fraction concepts through visual aids and hands-on activities.</p>

<div class="flex items-center justify-between">

<span class="px-3 py-1 rounded-full text-sm font-medium bg-green-100 text-green-800">Beginner</span>

<span class="text-indigo-600 font-medium">View Details →</span>

</div>

</div>

<div class="bg-white rounded-xl shadow-lg hover:shadow-xl transition-all duration-300 p-6 border border-gray-100 cursor-pointer" onclick="viewLesson(2)">

<div class="flex justify-between items-start mb-4">

<div>

<h3 class="text-xl font-bold text-gray-800 mb-2">🌱 Plant Life Cycles</h3>

<div class="flex items-center gap-2 text-sm text-gray-600 flex-wrap">

<span class="bg-blue-100 text-blue-800 px-2 py-1 rounded-full">Science</span>

<span class="bg-green-100 text-green-800 px-2 py-1 rounded-full">Grades 3-5</span>

<span class="flex items-center gap-1">⏰ 60 min</span>

</div>

</div>

<div class="flex items-center gap-1">

<span class="text-yellow-500">⭐</span>

<span class="text-sm font-medium">4.9</span>

</div>

</div>

<p class="text-gray-600 mb-4">Explore how plants grow and reproduce through interactive demonstrations.</p>

<div class="flex items-center justify-between">

<span class="px-3 py-1 rounded-full text-sm font-medium bg-yellow-100 text-yellow-800">Intermediate</span>

<span class="text-indigo-600 font-medium">View Details →</span>

</div>

</div>

<div class="bg-white rounded-xl shadow-lg hover:shadow-xl transition-all duration-300 p-6 border border-gray-100 cursor-pointer" onclick="viewLesson(3)">

<div class="flex justify-between items-start mb-4">

<div>

<h3 class="text-xl font-bold text-gray-800 mb-2">✍️ Creative Writing Workshop</h3>

<div class="flex items-center gap-2 text-sm text-gray-600 flex-wrap">

<span class="bg-blue-100 text-blue-800 px-2 py-1 rounded-full">English</span>

<span class="bg-green-100 text-green-800 px-2 py-1 rounded-full">Grades 6-8</span>

<span class="flex items-center gap-1">⏰ 50 min</span>

</div>

</div>

<div class="flex items-center gap-1">

<span class="text-yellow-500">⭐</span>

<span class="text-sm font-medium">4.7</span>

</div>

</div>

<p class="text-gray-600 mb-4">Develop storytelling skills through guided writing exercises and peer feedback.</p>

<div class="flex items-center justify-between">

<span class="px-3 py-1 rounded-full text-sm font-medium bg-yellow-100 text-yellow-800">Intermediate</span>

<span class="text-indigo-600 font-medium">View Details →</span>

</div>

</div>

<div class="bg-white rounded-xl shadow-lg hover:shadow-xl transition-all duration-300 p-6 border border-gray-100 cursor-pointer" onclick="viewLesson(4)">

<div class="flex justify-between items-start mb-4">

<div>

<h3 class="text-xl font-bold text-gray-800 mb-2">🏛️ Ancient Civilizations</h3>

<div class="flex items-center gap-2 text-sm text-gray-600 flex-wrap">

<span class="bg-blue-100 text-blue-800 px-2 py-1 rounded-full">History</span>

<span class="bg-green-100 text-green-800 px-2 py-1 rounded-full">Grades 6-8</span>

<span class="flex items-center gap-1">⏰ 55 min</span>

</div>

</div>

<div class="flex items-center gap-1">

<span class="text-yellow-500">⭐</span>

<span class="text-sm font-medium">4.6</span>

</div>

</div>

<p class="text-gray-600 mb-4">Journey through ancient Egypt, Greece, and Rome with interactive activities.</p>

<div class="flex items-center justify-between">

<span class="px-3 py-1 rounded-full text-sm font-medium bg-yellow-100 text-yellow-800">Intermediate</span>

<span class="text-indigo-600 font-medium">View Details →</span>

</div>

</div>

<div class="bg-white rounded-xl shadow-lg hover:shadow-xl transition-all duration-300 p-6 border border-gray-100 cursor-pointer" onclick="viewLesson(5)">

<div class="flex justify-between items-start mb-4">

<div>

<h3 class="text-xl font-bold text-gray-800 mb-2">🎨 Color Theory Basics</h3>

<div class="flex items-center gap-2 text-sm text-gray-600 flex-wrap">

<span class="bg-blue-100 text-blue-800 px-2 py-1 rounded-full">Art</span>

<span class="bg-green-100 text-green-800 px-2 py-1 rounded-full">Grades K-2</span>

<span class="flex items-center gap-1">⏰ 40 min</span>

</div>

</div>

<div class="flex items-center gap-1">

<span class="text-yellow-500">⭐</span>

<span class="text-sm font-medium">4.5</span>

</div>

</div>

<p class="text-gray-600 mb-4">Discover primary and secondary colors through mixing activities and artwork.</p>

<div class="flex items-center justify-between">

<span class="px-3 py-1 rounded-full text-sm font-medium bg-green-100 text-green-800">Beginner</span>

<span class="text-indigo-600 font-medium">View Details →</span>

</div>

</div>

<div class="bg-white rounded-xl shadow-lg hover:shadow-xl transition-all duration-300 p-6 border border-gray-100 cursor-pointer" onclick="viewLesson(6)">

<div class="flex justify-between items-start mb-4">

<div>

<h3 class="text-xl font-bold text-gray-800 mb-2">🧪 Simple Chemistry</h3>

<div class="flex items-center gap-2 text-sm text-gray-600 flex-wrap">

<span class="bg-blue-100 text-blue-800 px-2 py-1 rounded-full">Science</span>

<span class="bg-green-100 text-green-800 px-2 py-1 rounded-full">Grades 9-12</span>

<span class="flex items-center gap-1">⏰ 70 min</span>

</div>

</div>

<div class="flex items-center gap-1">

<span class="text-yellow-500">⭐</span>

<span class="text-sm font-medium">4.8</span>

</div>

</div>

<p class="text-gray-600 mb-4">Safe laboratory experiments introducing basic chemical reactions.</p>

<div class="flex items-center justify-between">

<span class="px-3 py-1 rounded-full text-sm font-medium bg-red-100 text-red-800">Advanced</span>

<span class="text-indigo-600 font-medium">View Details →</span>

</div>

</div>

</div>

</div>

<!-- Dashboard Section -->

<div id="dashboard-section" class="section hidden">

<h2 class="text-3xl font-bold text-gray-900 mb-8 text-center">📊 Your Teaching Dashboard</h2>

<div class="grid md:grid-cols-4 gap-6 mb-8">

<div class="bg-white rounded-xl shadow-sm p-6 text-center">

<div class="text-3xl font-bold text-indigo-600 mb-2">24</div>

<div class="text-sm font-medium text-gray-600">Total Lessons</div>

</div>

<div class="bg-white rounded-xl shadow-sm p-6 text-center">

<div class="text-3xl font-bold text-green-600 mb-2">8</div>

<div class="text-sm font-medium text-gray-600">This Week</div>

</div>

<div class="bg-white rounded-xl shadow-sm p-6 text-center">

<div class="text-3xl font-bold text-yellow-600 mb-2">4.8</div>

<div class="text-sm font-medium text-gray-600">Avg Rating</div>

</div>

<div class="bg-white rounded-xl shadow-sm p-6 text-center">

<div class="text-3xl font-bold text-blue-600 mb-2">156</div>

<div class="text-sm font-medium text-gray-600">Students</div>

</div>

</div>

<div class="bg-white rounded-xl shadow-sm p-6">

<h3 class="text-xl font-semibold text-gray-900 mb-4">Recent Activity</h3>

<div class="space-y-3">

<div class="flex items-center justify-between p-3 bg-gray-50 rounded-lg">

<div>

<p class="font-medium text-gray-900">✨ Created "Solar System Exploration"</p>

<p class="text-sm text-gray-600">Science • Grades 6-8 • 2 hours ago</p>

</div>

</div>

<div class="flex items-center justify-between p-3 bg-gray-50 rounded-lg">

<div>

<p class="font-medium text-gray-900">⭐ Received 5-star rating for "Math Basics"</p>

<p class="text-sm text-gray-600">Mathematics • Grades 3-5 • 1 day ago</p>

</div>

</div>

<div class="flex items-center justify-between p-3 bg-gray-50 rounded-lg">

<div>

<p class="font-medium text-gray-900">🎯 Completed "Poetry Workshop" with 28 students</p>

<p class="text-sm text-gray-600">English • Grades 9-12 • 2 days ago</p>

</div>

</div>

</div>

</div>

</div>

<!-- AI Helper Section -->

<div id="ai-helper-section" class="section hidden">

<div class="max-w-2xl mx-auto">

<div class="bg-white rounded-xl shadow-lg p-8">

<div class="text-center mb-8">

<div class="text-6xl mb-4">🤖</div>

<h2 class="text-3xl font-bold text-gray-900 mb-2">AI Teaching Assistant</h2>

<p class="text-gray-600">Ask me anything about teaching, curriculum, or classroom management!</p>

</div>

<div class="space-y-4">

<div>

<label class="block text-sm font-medium text-gray-700 mb-2">Your Question</label>

<textarea

id="ai-question"

class="w-full px-4 py-3 border border-gray-300 rounded-lg focus:ring-2 focus:ring-indigo-500 focus:border-transparent"

rows="4"

placeholder="Ask about teaching strategies, classroom management, curriculum ideas, assessment methods..."

></textarea>

</div>

<button onclick="askAI()" class="w-full bg-indigo-600 text-white px-6 py-3 rounded-lg hover:bg-indigo-700 transition-colors font-medium">

💬 Ask AI Assistant

</button>

<div id="ai-response" class="hidden mt-6 p-6 bg-indigo-50 rounded-lg border border-indigo-200">

<h4 class="font-semibold text-indigo-900 mb-2">🤖 AI Response:</h4>

<p id="ai-response-text" class="text-indigo-800"></p>

</div>

</div>

</div>

</div>

</div>

</div>

<!-- Create Lesson Modal -->

<div id="create-modal" class="fixed inset-0 bg-black bg-opacity-50 hidden items-center justify-center p-4 z-50">

<div class="bg-white rounded-xl shadow-xl max-w-2xl w-full max-h-[90vh] overflow-y-auto">

<div class="p-6">

<div class="flex justify-between items-center mb-6">

<h2 class="text-2xl font-bold text-gray-900">✨ Create New Lesson Plan</h2>

<button onclick="hideCreateForm()" class="text-gray-400 hover:text-gray-600 text-2xl">×</button>

</div>

<div id="create-form" class="space-y-4">

<div>

<label class="block text-sm font-medium text-gray-700 mb-2">Lesson Title \*</label>

<input type="text" id="lesson-title" class="w-full px-4 py-2 border border-gray-300 rounded-lg focus:ring-2 focus:ring-indigo-500 focus:border-transparent" placeholder="Enter lesson title">

</div>

<div class="grid md:grid-cols-2 gap-4">

<div>

<label class="block text-sm font-medium text-gray-700 mb-2">Subject \*</label>

<select id="lesson-subject" class="w-full px-4 py-2 border border-gray-300 rounded-lg focus:ring-2 focus:ring-indigo-500 focus:border-transparent">

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

<option value="Mathematics">Mathematics</option>

<option value="Science">Science</option>

<option value="English">English</option>

<option value="History">History</option>

<option value="Art">Art</option>

<option value="Music">Music</option>

</select>

</div>

<div>

<label class="block text-sm font-medium text-gray-700 mb-2">Grade Level \*</label>

<select id="lesson-grade" class="w-full px-4 py-2 border border-gray-300 rounded-lg focus:ring-2 focus:ring-indigo-500 focus:border-transparent">

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

<option value="K-2">K-2</option>

<option value="3-5">3-5</option>

<option value="6-8">6-8</option>

<option value="9-12">9-12</option>

</select>

</div>

</div>

<div>

<label class="block text-sm font-medium text-gray-700 mb-2">Duration</label>

<input type="text" id="lesson-duration" class="w-full px-4 py-2 border border-gray-300 rounded-lg focus:ring-2 focus:ring-indigo-500 focus:border-transparent" placeholder="e.g., 45 minutes">

</div>

<div>

<label class="block text-sm font-medium text-gray-700 mb-2">Learning Objectives</label>

<textarea id="lesson-objectives" class="w-full px-4 py-2 border border-gray-300 rounded-lg focus:ring-2 focus:ring-indigo-500 focus:border-transparent" rows="3" placeholder="Enter each objective on a new line"></textarea>

</div>

<div>

<label class="block text-sm font-medium text-gray-700 mb-2">Description</label>

<textarea id="lesson-description" class="w-full px-4 py-2 border border-gray-300 rounded-lg focus:ring-2 focus:ring-indigo-500 focus:border-transparent" rows="3" placeholder="Brief description of the lesson"></textarea>

</div>

<div class="flex justify-end gap-4 pt-4">

<button onclick="hideCreateForm()" class="px-6 py-2 text-gray-600 hover:text-gray-800">Cancel</button>

<button onclick="generateLesson()" class="bg-indigo-600 text-white px-6 py-2 rounded-lg hover:bg-indigo-700 transition-colors">🤖 Generate Lesson Plan</button>

</div>

</div>

<div id="generating" class="text-center py-12 hidden">

<div class="animate-spin rounded-full h-12 w-12 border-b-2 border-indigo-600 mx-auto mb-4"></div>

<p class="text-gray-600">AI is generating your lesson plan...</p>

</div>

</div>

</div>

</div>

<script>

// Show/hide sections

function showSection(sectionName) {

document.querySelectorAll('.section').forEach(section => {

section.classList.add('hidden');

});

document.getElementById(sectionName + '-section').classList.remove('hidden');

// Update navigation

document.querySelectorAll('[id^="nav-"]').forEach(nav => {

nav.className = 'px-3 py-2 text-sm font-medium text-gray-500 hover:text-gray-700';

});

document.getElementById('nav-' + sectionName).className = 'px-3 py-2 text-sm font-medium text-indigo-600 border-b-2 border-indigo-600';

}

// Mobile menu

function toggleMobileMenu() {

const menu = document.getElementById('mobile-menu');

const menuIcon = document.getElementById('menu-icon');

const closeIcon = document.getElementById('close-icon');

menu.classList.toggle('hidden');

menuIcon.classList.toggle('hidden');

closeIcon.classList.toggle('hidden');

}

// Create lesson modal

function showCreateForm() {

document.getElementById('create-modal').classList.remove('hidden');

document.getElementById('create-modal').classList.add('flex');

}

function hideCreateForm() {

document.getElementById('create-modal').classList.add('hidden');

document.getElementById('create-modal').classList.remove('flex');

document.getElementById('create-form').classList.remove('hidden');

document.getElementById('generating').classList.add('hidden');

clearForm();

}

function clearForm() {

document.getElementById('lesson-title').value = '';

document.getElementById('lesson-subject').value = '';

document.getElementById('lesson-grade').value = '';

document.getElementById('lesson-duration').value = '';

document.getElementById('lesson-objectives').value = '';

document.getElementById('lesson-description').value = '';

}

function generateLesson() {

const title = document.getElementById('lesson-title').value;

const subject = document.getElementById('lesson-subject').value;

const grade = document.getElementById('lesson-grade').value;

if (!title || !subject || !grade) {

alert('Please fill in the required fields (Title, Subject, and Grade Level)');

return;

}

document.getElementById('create-form').classList.add('hidden');

document.getElementById('generating').classList.remove('hidden');

setTimeout(() => {

alert('🎉 Your lesson plan has been generated successfully!\n\n' +

'Title: ' + title + '\n' +

'Subject: ' + subject + '\n' +

'Grade: ' + grade + '\n\n' +

'Your AI-generated lesson plan includes:\n' +

'• Detailed learning objectives\n' +

'• Step-by-step activities\n' +

'• Required materials list\n' +

'• Assessment rubrics\n' +

'• Differentiation strategies\n\n' +

'The lesson has been added to your library!');

hideCreateForm();

showSection('library');

}, 3000);

}

// View lesson details

function viewLesson(lessonId) {

const lessons = {

1: {

title: '🔢 Introduction to Fractions',

subject: 'Mathematics',

grade: 'Grades 3-5',

duration: '45 minutes',

objectives: [

'Understand what fractions represent',

'Identify numerator and denominator',

'Compare simple fractions visually',

'Apply fraction concepts to real-world situations'

],

activities: [

'Pizza fraction demonstration',

'Fraction sorting game',

'Create fraction art project',

'Interactive fraction manipulatives'

],

materials: ['Fraction circles', 'Pizza cutouts', 'Colored paper', 'Scissors', 'Whiteboard'],

assessment: 'Students complete fraction identification worksheet and explain reasoning through verbal assessment.'

},

2: {

title: '🌱 Plant Life Cycles',

subject: 'Science',

grade: 'Grades 3-5',

duration: '60 minutes',

objectives: [

'Identify stages of plant growth',

'Understand seed germination process',

'Recognize plant reproduction methods',

'Observe and record plant changes'

],

activities: [

'Seed planting experiment',

'Life cycle diagram creation',

'Garden observation walk',

'Growth measurement tracking'

],

materials: ['Seeds', 'Soil', 'Pots', 'Magnifying glasses', 'Growth charts', 'Measuring rulers'],

assessment: 'Students create visual timeline of plant growth stages and maintain observation journal.'

}

};

const lesson = lessons[lessonId] || lessons[1];

let detailText = `📋 LESSON PLAN DETAILS\n\n`;

detailText += `Title: ${lesson.title}\n`;

detailText += `Subject: ${lesson.subject}\n`;

detailText += `Grade Level: ${lesson.grade}\n`;

detailText += `Duration: ${lesson.duration}\n\n`;

detailText += `🎯 LEARNING OBJECTIVES:\n`;

lesson.objectives.forEach((obj, index) => {

detailText += `${index + 1}. ${obj}\n`;

});

detailText += `\n🎪 ACTIVITIES:\n`;

lesson.activities.forEach((activity, index) => {

detailText += `${index + 1}. ${activity}\n`;

});

detailText += `\n📦 MATERIALS NEEDED:\n`;

lesson.materials.forEach((material, index) => {

detailText += `• ${material}\n`;

});

detailText += `\n📊 ASSESSMENT:\n${lesson.assessment}`;

alert(detailText);

}

// AI Helper

function askAI() {

const question = document.getElementById('ai-question').value.trim();

if (!question) {

alert('Please enter a question first!');

return;

}

const responses = [

"Great question! For classroom management, try implementing a clear routine with visual cues and positive reinforcement systems. Students thrive with predictable structures and consistent expectations.",

"I recommend using the 'Think-Pair-Share' strategy to increase student engagement. It gives everyone a chance to process information before sharing with the class.",

"For differentiated instruction, consider offering multiple ways for students to demonstrate learning: visual projects, oral presentations, written work, or hands-on activities.",

"Assessment should be ongoing! Try using exit tickets, quick polls, or observation checklists to gauge understanding throughout the lesson rather than just at the end.",

"Technology integration works best when it enhances learning objectives. Consider tools like interactive whiteboards, educational apps, or virtual field trips that directly support your goals.",

"Building relationships with students is key! Try learning their interests, using their names frequently, and showing genuine care for their success both academically and personally."

];

const randomResponse = responses[Math.floor(Math.random() \* responses.length)];

document.getElementById('ai-response-text').textContent = randomResponse;

document.getElementById('ai-response').classList.remove('hidden');

document.getElementById('ai-question').value = '';

}

</script>

</body>

</html>