<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Roblox Dev Hub</title>

<!-- Tailwind CSS CDN -->

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

<link href="https://fonts.googleapis.com/css2?family=Inter:wght@300;400;500;600;700;800&display=swap" rel="stylesheet">

<style>

body {

font-family: 'Inter', sans-serif;

background-color: #f8f9fa; /\* Very light gray, almost white \*/

color: #212529; /\* Darker text for high contrast and professionalism \*/

overflow-x: hidden; /\* Prevent horizontal scroll due to animations \*/

position: relative; /\* Needed for absolute positioning of canvas \*/

min-height: 100vh; /\* Ensure body takes full viewport height \*/

}

/\* Canvas for background animation \*/

#background-canvas {

position: fixed;

top: 0;

left: 0;

width: 100%;

height: 100%;

z-index: -1;

background-color: #f8f9fa;

}

.hero {

/\* Animated gradient background with multiple, thematic color transitions \*/

background: linear-gradient(270deg, #007bff, #1a2a40, #4CAF50, #2c3e50, #9C27B0, #1a2a40, #E91E63, #007bff);

background-size: 800% 800%;

animation: thematicGradientAnimation 30s ease infinite;

height: 450px;

display: flex;

align-items: center;

justify-content: center;

text-align: center;

color: white;

position: relative;

overflow: hidden;

z-index: 1;

border-radius: 1rem;

box-shadow: 0 10px 30px rgba(0, 0, 0, 0.2);

}

/\* Keyframe for the new thematic gradient animation \*/

@keyframes thematicGradientAnimation {

0% { background-position: 0% 50%; }

25% { background-position: 100% 50%; }

50% { background-position: 0% 50%; }

75% { background-position: 100% 50%; }

100% { background-position: 0% 50%; }

}

.hero::before {

content: '';

position: absolute;

top: 0;

left: 0;

right: 0;

bottom: 0;

background: rgba(0, 0, 0, 0.4);

border-radius: 1rem;

animation: fadeInOverlay 1s ease-out forwards;

}

.hero-content {

position: relative;

z-index: 10;

opacity: 0;

transform: translateY(30px);

animation: fadeInUp 1.2s ease-out 0.5s forwards;

}

/\* Keyframe Animations \*/

@keyframes fadeInOverlay {

from { opacity: 0; }

to { opacity: 1; }

}

@keyframes fadeInUp {

from { opacity: 0; transform: translateY(30px); }

to { opacity: 1; transform: translateY(0); }

}

/\* Subtle breathing animation for text \*/

@keyframes subtleBreath {

0% { text-shadow: 0 0 10px rgba(255,255,255,0.8), 0 0 20px rgba(255,255,255,0.6); transform: translateY(0); }

50% { text-shadow: 0 0 18px rgba(255,255,255,1), 0 0 30px rgba(255,255,255,0.9); transform: translateY(-3px); }

100% { text-shadow: 0 0 10px rgba(255,255,255,0.8), 0 0 20px rgba(255,255,255,0.6); transform: translateY(0); }

}

.hero-content h1 {

/\* Combine both animations: initial fade-in and continuous subtle breathing \*/

animation:

fadeInUp 1.2s ease-out 0.5s forwards,

subtleBreath 5s infinite alternate ease-in-out 1.5s;

text-shadow: 0 0 10px rgba(255,255,255,0.8), 0 0 20px rgba(255,255,255,0.6);

transform: translateY(0);

}

.hero-content p {

/\* Apply similar animation to the paragraph for layered effect \*/

animation:

fadeInUp 1.2s ease-out 0.7s forwards,

subtleBreath 6s infinite alternate ease-in-out 2s;

text-shadow: 0 0 8px rgba(255,255,255,0.7);

transform: translateY(0);

}

.card {

background-color: white;

border-radius: 1rem;

box-shadow: 0 8px 25px rgba(0, 0, 0, 0.1);

transition: transform 0.3s cubic-bezier(0.25, 0.46, 0.45, 0.94), box-shadow 0.3s cubic-bezier(0.25, 0.46, 0.45, 0.94);

border: 1px solid #e9ecef;

position: relative;

z-index: 2;

}

.card:hover {

transform: translateY(-10px) scale(1.02);

box-shadow: 0 15px 40px rgba(0, 0, 0, 0.2);

}

.btn {

display: inline-block;

padding: 0.9rem 2rem;

border-radius: 0.75rem;

font-weight: 700;

text-align: center;

cursor: pointer;

transition: background-color 0.3s ease-in-out, transform 0.2s ease-in-out, box-shadow 0.3s ease-in-out;

position: relative;

overflow: hidden;

z-index: 1;

letter-spacing: 0.03em;

text-transform: uppercase;

}

.btn::before {

content: '';

position: absolute;

top: 50%;

left: 50%;

width: 0;

height: 0;

background: rgba(255, 255, 255, 0.25);

border-radius: 50%;

transition: width 0.4s ease-out, height 0.4s ease-out, top 0.4s ease-out, left 0.4s ease-out;

transform: translate(-50%, -50%);

z-index: -1;

}

.btn:hover::before {

width: 220%;

height: 220%;

top: 50%;

left: 50%;

}

.btn:active {

transform: translateY(3px);

box-shadow: none;

}

.btn-primary {

background-color: #007bff;

color: white;

box-shadow: 0 5px 15px rgba(0, 123, 255, 0.4);

}

.btn-primary:hover {

background-color: #0056b3;

box-shadow: 0 8px 20px rgba(0, 123, 255, 0.6);

}

.btn-secondary {

background-color: #6c757d;

color: white;

box-shadow: 0 5px 15px rgba(108, 117, 125, 0.4);

}

.btn-secondary:hover {

background-color: #5a6268;

box-shadow: 0 8px 20px rgba(108, 117, 125, 0.6);

}

/\* Section specific animations \*/

.animated-section {

opacity: 0;

transform: translateY(60px);

transition: opacity 0.8s ease-out, transform 0.8s ease-out;

position: relative;

z-index: 2;

}

.animated-section.is-visible {

opacity: 1;

transform: translateY(0);

}

/\* Decorative elements \*/

.section-title {

position: relative;

display: inline-block;

margin-bottom: 3rem;

font-weight: 800;

}

.section-title::after {

content: '';

position: absolute;

left: 50%;

bottom: -15px;

transform: translateX(-50%);

width: 100px;

height: 6px;

background-color: #007bff;

border-radius: 3px;

}

/\* AI Tutorial Specific Styles \*/

#ai-tutorial-output {

background-color: #ffffff;

border: 1px solid #dee2e6;

border-radius: 1rem;

padding: 2rem;

min-height: 250px;

font-size: 1.05rem;

line-height: 1.7;

white-space: pre-wrap;

word-wrap: break-word;

box-shadow: inset 0 3px 6px rgba(0, 0, 0, 0.04);

color: #343a40;

}

#loading-indicator {

display: none;

margin-top: 1.5rem;

text-align: center;

color: #007bff;

font-style: italic;

font-weight: 600;

}

textarea {

resize: vertical;

min-height: 150px;

border: 1px solid #ced4da;

box-shadow: inset 0 1px 3px rgba(0, 0, 0, 0.08);

font-size: 1.05rem;

}

/\* Not Ready Message Box \*/

#not-ready-message {

position: fixed;

top: 50%;

left: 50%;

transform: translate(-50%, -50%);

background-color: #ffc107;

color: #343a40;

padding: 1.5rem 2.5rem;

border-radius: 0.75rem;

box-shadow: 0 8px 20px rgba(0, 0, 0, 0.2);

font-size: 1.25rem;

font-weight: 600;

text-align: center;

z-index: 1000;

opacity: 0;

visibility: hidden;

transition: opacity 0.3s ease-in-out, visibility 0.3s ease-in-out;

border: 2px solid #e0a800;

}

#not-ready-message.show {

opacity: 1;

visibility: visible;

}

/\* Styles for Decal Packs Section \*/

.decal-pack-card {

border-radius: 1rem;

box-shadow: 0 8px 25px rgba(0, 0, 0, 0.1);

transition: transform 0.3s cubic-bezier(0.25, 0.46, 0.45, 0.94), box-shadow 0.3s cubic-bezier(0.25, 0.46, 0.45, 0.94);

border: 1px solid #e9ecef;

overflow: hidden;

position: relative;

/\* Default background for cards - will be overridden by specific classes \*/

background: linear-gradient(135deg, #f0f2f5, #e0e4e8);

background-size: 200% 200%;

animation: cardGradientAnimation 10s ease infinite alternate;

}

.decal-pack-card:hover {

transform: translateY(-10px) scale(1.02);

box-shadow: 0 15px 40px rgba(0, 0, 0, 0.2);

}

.decal-pack-card img {

width: 100%;

height: 200px;

object-fit: cover;

border-top-left-radius: 1rem;

border-top-right-radius: 1rem;

box-shadow: 0 2px 8px rgba(0, 0, 0, 0.05);

}

.decal-pack-card .content {

padding: 1.5rem;

background-color: rgba(255, 255, 255, 0.85);

position: relative;

z-index: 1;

}

/\* Thematic Gradients for Decal Pack Cards \*/

.decal-pack-card.nature-theme {

background: linear-gradient(135deg, #a8e063, #56ab2f, #a8e063);

background-size: 200% 200%;

animation: cardGradientAnimation 12s ease infinite alternate;

}

.decal-pack-card.sci-fi-theme {

background: linear-gradient(135deg, #29323c, #485563, #29323c);

background-size: 200% 200%;

animation: cardGradientAnimation 10s ease infinite alternate;

}

.decal-pack-card.fantasy-theme {

background: linear-gradient(135deg, #c33764, #1d2671, #c33764);

background-size: 200% 200%;

animation: cardGradientAnimation 14s ease infinite alternate;

}

.decal-pack-card.urban-theme {

background: linear-gradient(135deg, #343a40, #6c757d, #343a40);

background-size: 200% 200%;

animation: cardGradientAnimation 11s ease infinite alternate;

}

.decal-pack-card.industrial-theme {

background: linear-gradient(135deg, #607d8b, #455a64, #607d8b);

background-size: 200% 200%;

animation: cardGradientAnimation 13s ease infinite alternate;

}

.decal-pack-card.food-theme {

background: linear-gradient(135deg, #ffeb3b, #ff9800, #ffeb3b);

background-size: 200% 200%;

animation: cardGradientAnimation 10s ease infinite alternate;

}

.decal-pack-card.abstract-theme {

background: linear-gradient(135deg, #8e24aa, #d81b60, #8e24aa);

background-size: 200% 200%;

animation: cardGradientAnimation 15s ease infinite alternate;

}

.decal-pack-card.horror-theme {

background: linear-gradient(135deg, #212121, #b71c1c, #212121);

background-size: 200% 200%;

animation: cardGradientAnimation 12s ease infinite alternate;

}

.decal-pack-card.cartoon-theme {

background: linear-gradient(135deg, #00bcd4, #8bc34a, #00bcd4);

background-size: 200% 200%;

animation: cardGradientAnimation 10s ease infinite alternate;

}

.decal-pack-card.vintage-theme {

background: linear-gradient(135deg, #795548, #a1887f, #795548);

background-size: 200% 200%;

animation: cardGradientAnimation 14s ease infinite alternate;

}

/\* Animation for card gradients \*/

@keyframes cardGradientAnimation {

0% { background-position: 0% 50%; }

100% { background-position: 100% 50%; }

}

/\* Modal Styles \*/

.modal-overlay {

position: fixed;

top: 0;

left: 0;

width: 100%;

height: 100%;

background-color: rgba(0, 0, 0, 0.7);

display: flex;

justify-content: center;

align-items: center;

z-index: 1000;

opacity: 0;

visibility: hidden;

transition: opacity 0.3s ease-in-out, visibility 0.3s ease-in-out;

}

.modal-overlay.show {

opacity: 1;

visibility: visible;

}

.modal-content {

background-color: #f8f9fa;

border-radius: 1rem;

box-shadow: 0 15px 40px rgba(0, 0, 0, 0.3);

width: 90%;

max-width: 1200px;

max-height: 90vh;

overflow-y: auto;

padding: 2.5rem;

position: relative;

transform: scale(0.9);

transition: transform 0.3s ease-in-out;

}

.modal-overlay.show .modal-content {

transform: scale(1);

}

.modal-close-btn {

position: absolute;

top: 1.5rem;

right: 1.5rem;

background: none;

border: none;

font-size: 2rem;

color: #6c757d;

cursor: pointer;

transition: color 0.2s ease-in-out;

}

.modal-close-btn:hover {

color: #212129;

}

.modal-title {

font-size: 2.5rem;

font-weight: 800;

color: #212129;

text-align: center;

margin-bottom: 2rem;

}

</style>

</head>

<body class="antialiased">

<!-- Background Canvas for Animation -->

<canvas id="background-canvas"></canvas>

<!-- Header -->

<header class="bg-white shadow-lg py-5 px-6 md:px-10 lg:px-16 flex justify-between items-center rounded-b-xl">

<div class="text-3xl font-extrabold text-gray-800">Roblox Dev Hub</div>

<nav>

<ul class="flex space-x-8">

<li><a href="#resources" class="text-gray-700 hover:text-blue-600 font-medium transition duration-300 text-lg">Resources</a></li>

<li><a href="#ai-tutorials" class="text-gray-700 hover:text-blue-600 font-medium transition duration-300 text-lg">AI Tutorials</a></li>

<li><a href="#featured-tutorials" class="text-gray-700 hover:text-blue-600 font-medium transition duration-300 text-lg">Featured Tutorials</a></li>

<li><a href="#decal-packs" class="text-gray-700 hover:text-blue-600 font-medium transition duration-300 text-lg">Decal Packs</a></li> <!-- New Nav Link -->

<li><a href="#community" class="text-gray-700 hover:text-blue-600 font-medium transition duration-300 text-lg">Community</a></li>

<li><a href="#about" class="text-gray-700 hover:text-blue-600 font-medium transition duration-300 text-lg">About</a></li>

</ul>

</nav>

</header>

<!-- Hero Section -->

<section class="hero my-8 mx-4 md:mx-10 lg:mx-16">

<div class="hero-content">

<h1 class="text-5xl md:text-6xl lg:text-7xl font-extrabold mb-4 drop-shadow-lg leading-tight">Empower Your Roblox Creations</h1>

<p class="text-xl md:text-2xl lg:text-3xl mb-10 max-w-3xl mx-auto drop-shadow-md font-light">

Your ultimate destination for Roblox development resources, AI-powered tutorials, and community support.

</p>

<a href="#ai-tutorials" class="btn btn-primary text-lg md:text-xl shadow-lg">Generate Tutorials</a>

<a href="#" onclick="showNotReadyMessage(event);" class="btn btn-secondary text-lg md:text-xl ml-6 shadow-lg">Join Community</a>

</div>

</section>

<!-- Main Content -->

<main class="container mx-auto px-4 md:px-10 lg:px-16 py-12">

<!-- Resources Section -->

<section id="resources" class="mb-16 animated-section">

<h2 class="text-4xl lg:text-5xl font-bold text-gray-800 mb-10 text-center section-title">Essential Resources</h2>

<div class="grid grid-cols-1 md:grid-cols-2 lg:grid-cols-3 gap-10">

<div class="card p-8">

<h3 class="text-2xl font-semibold text-gray-800 mb-4">Official Roblox Documentation</h3>

<p class="text-gray-600 mb-6 leading-relaxed">

Access the comprehensive official documentation for Roblox Studio, Lua, and the core platform APIs. Essential for all developers.

</p>

<a href="https://create.roblox.com/docs" target="\_blank" class="text-blue-600 hover:underline font-semibold text-lg">Learn More &rarr;</a>

</div>

<div class="card p-8">

<h3 class="text-2xl font-semibold text-gray-800 mb-4">Roblox Creator Marketplace</h3>

<p class="text-gray-600 mb-6 leading-relaxed">

Discover a vast collection of assets, plugins, and models to streamline your development workflow and enhance your creations.

</p>

<a href="https://create.roblox.com/marketplace" target="\_blank" class="text-blue-600 hover:underline font-semibold text-lg">Explore Marketplace &rarr;</a>

</div>

<div class="card p-8">

<h3 class="text-2xl font-semibold text-gray-800 mb-4">Roblox API Reference</h3>

<p class="text-gray-600 mb-6 leading-relaxed">

In-depth reference for all Roblox API services, functions, and events. Crucial for advanced scripting and game logic.

</p>

<a href="https://developer.roblox.com/en-us/api-reference" target="\_blank" class="text-blue-600 hover:underline font-semibold text-lg">View API &rarr;</a>

</div>

</div>

</section>

<!-- AI-Powered Tutorials Section -->

<section id="ai-tutorials" class="mb-16 animated-section">

<h2 class="text-4xl lg:text-5xl font-bold text-gray-800 mb-10 text-center section-title">AI-Powered Tutorials</h2>

<div class="bg-white p-10 rounded-xl shadow-lg border border-gray-200">

<p class="text-lg text-gray-700 mb-8 text-center leading-relaxed">

Describe any Roblox development topic, and our advanced AI will generate a tailored, detailed tutorial to guide you through the process.

</p>

<div class="mb-8">

<label for="tutorial-prompt" class="block text-gray-700 text-xl font-semibold mb-3">Tutorial Topic:</label>

<textarea id="tutorial-prompt" class="w-full p-5 border border-gray-300 rounded-lg focus:ring-3 focus:ring-blue-400 focus:border-blue-600 transition duration-300 text-gray-800 text-lg" placeholder="e.g., How to implement a data store for player progress in Lua, or Understanding Roblox's physics engine."></textarea>

</div>

<div class="text-center">

<button id="generate-tutorial-btn" class="btn btn-primary text-xl">Generate Tutorial</button>

</div>

<div id="loading-indicator" class="mt-8 text-center text-blue-600 font-semibold text-lg">

Generating tutorial... Please wait.

</div>

<div id="ai-tutorial-output" class="mt-10">

<!-- AI generated tutorial will be displayed here -->

<p class="text-gray-500 text-center text-lg">Your AI-generated tutorial will appear here.</p>

</div>

</div>

</section>

<!-- Featured Tutorials Section -->

<section id="featured-tutorials" class="mb-16 animated-section">

<h2 class="text-4xl lg:text-5xl font-bold text-gray-800 mb-10 text-center section-title">Featured Tutorials</h2>

<div class="grid grid-cols-1 md:grid-cols-2 lg:grid-cols-3 gap-10">

<div class="card p-8">

<img src="https://placehold.co/400x200/e0e0e0/000000?text=Roblox+Scripting" alt="Roblox Scripting Thumbnail" class="w-full h-52 object-cover mb-5 rounded-md shadow-sm">

<h3 class="text-2xl font-semibold text-gray-800 mb-4">Getting Started with Lua Scripting</h3>

<p class="text-gray-600 mb-6 leading-relaxed">

Master the basics of Lua scripting within Roblox Studio. This tutorial covers variables, functions, and events.

</p>

<a href="#" onclick="showNotReadyMessage(event);" class="text-blue-600 hover:underline font-semibold text-lg">Read Tutorial &rarr;</a>

</div>

<div class="card p-8">

<img src="https://placehold.co/400x200/e0e0e0/000000?text=Roblox+UI+Design" alt="Roblox UI Design Thumbnail" class="w-full h-52 object-cover mb-5 rounded-md shadow-sm">

<h3 class="text-2xl font-semibold text-gray-800 mb-4">Building Engaging User Interfaces</h3>

<p class="text-gray-600 mb-6 leading-relaxed">

Learn to design intuitive and visually appealing user interfaces for your Roblox games. Covers ScreenGuis, Frames, and TextLabels.

</p>

<a href="#" onclick="showNotReadyMessage(event);" class="text-blue-600 hover:underline font-semibold text-lg">Read Tutorial &rarr;</a>

</div>

<div class="card p-8">

<img src="https://placehold.co/400x200/e0e0e0/000000?text=Roblox+Monetization" alt="Roblox Game Monetization Thumbnail" class="w-full h-52 object-cover mb-5 rounded-md shadow-sm">

<h3 class="text-2xl font-semibold text-gray-800 mb-4">Monetizing Your Roblox Game</h3>

<p class="text-gray-600 mb-6 leading-relaxed">

Explore effective strategies to monetize your Roblox creations using Developer Products, Game Passes, and Premium Payouts.

</p>

<a href="#" onclick="showNotReadyMessage(event);" class="text-blue-600 hover:underline font-semibold text-lg">Read Tutorial &rarr;</a>

</div>

</div>

</section>

<!-- New Section: Free Decal Packs & Assets -->

<section id="decal-packs" class="mb-16 animated-section">

<h2 class="text-4xl lg:text-5xl font-bold text-gray-800 mb-10 text-center section-title">Free Decal Packs & Assets</h2>

<p class="text-lg text-gray-700 mb-8 text-center max-w-4xl mx-auto leading-relaxed">

Enhance your Roblox games with our collection of high-quality, free decal packs, textures, and other essential assets. Download and use them directly in your projects!

</p>

<div id="initial-decal-grid" class="grid grid-cols-1 md:grid-cols-2 lg:grid-cols-3 gap-10">

<!-- Initial 4 decal packs will be rendered here by JS -->

</div>

<div class="text-center mt-12">

<a href="#" id="view-all-decals-btn" class="btn btn-secondary text-lg">View All Decal Packs &rarr;</a>

</div>

</section>

<!-- Community Section -->

<section id="community" class="mb-16 text-center animated-section">

<h2 class="text-4xl lg:text-5xl font-bold text-gray-800 mb-10 text-center section-title">Join Our Community</h2>

<p class="text-lg text-gray-700 mb-8 max-w-4xl mx-auto leading-relaxed">

Connect with a vibrant network of Roblox developers. Share your projects, ask questions, find collaborators, and grow your skills in a supportive environment.

</p>

<div class="flex flex-col md:flex-row justify-center space-y-5 md:space-y-0 md:space-x-8">

<a href="#" onclick="showNotReadyMessage(event);" class="btn btn-primary text-xl shadow-lg">Discord Server</a>

<a href="https://www.roblox.com/communities/32367336/Nevertruster-productions#!/about" target="\_blank" class="btn btn-secondary text-xl shadow-lg">Developer Forums</a>

</div>

</section>

<!-- About Section -->

<section id="about" class="mb-16 text-center animated-section">

<h2 class="text-4xl lg:text-5xl font-bold text-gray-800 mb-10 section-title">About Us</h2>

<p class="text-lg text-gray-700 max-w-4xl mx-auto leading-relaxed">

The Roblox Dev Hub is a dedicated platform committed to empowering the next generation of Roblox creators. We provide cutting-edge resources, AI-driven learning tools, and a thriving community to help you bring your most ambitious game ideas to life. Our mission is to foster innovation and excellence in Roblox development.

</p>

</section>

</main>

<!-- Footer -->

<footer class="bg-gray-900 text-white py-10 px-6 md:px-10 lg:px-16 text-center rounded-t-xl">

<p class="text-lg mb-4">&copy; 2025 Made by TurtleDev. All rights reserved.</p>

<div class="flex justify-center space-x-8 mt-4">

<a href="#" class="text-gray-400 hover:text-white transition duration-300 text-base">Privacy Policy</a>

<a href="#" class="text-gray-400 hover:text-white transition duration-300 text-base">Terms of Service</a>

<a href="#" class="text-gray-400 hover:text-white transition duration-300 text-base">Contact Us</a>

</div>

</footer>

<!-- Not Ready Message Box HTML -->

<div id="not-ready-message">

This function is not ready yet!

</div>

<!-- View All Decals Modal Overlay -->

<div id="all-decals-modal" class="modal-overlay">

<div class="modal-content">

<button class="modal-close-btn" onclick="closeAllDecalsModal()">&times;</button>

<h2 class="modal-title">All Decal Packs</h2>

<div id="all-decals-grid" class="grid grid-cols-1 md:grid-cols-2 lg:grid-cols-3 gap-10">

<!-- Decal packs will be dynamically loaded here -->

</div>

</div>

</div>

<script>

// Intersection Observer for scroll-reveal animations

const sections = document.querySelectorAll('.animated-section');

const observerOptions = {

root: null,

rootMargin: '0px',

threshold: 0.15 // Trigger when 15% of the section is visible

};

const observer = new IntersectionObserver((entries, observer) => {

entries.forEach(entry => {

if (entry.isIntersecting) {

entry.target.classList.add('is-visible');

// Stop observing once visible to prevent re-triggering

observer.unobserve(entry.target);

}

});

}, observerOptions);

sections.forEach(section => {

observer.observe(section);

});

// AI Tutorial Generation Logic

const tutorialPromptInput = document.getElementById('tutorial-prompt');

const generateTutorialBtn = document.getElementById('generate-tutorial-btn');

const loadingIndicator = document.getElementById('loading-indicator');

const aiTutorialOutput = document.getElementById('ai-tutorial-output');

generateTutorialBtn.addEventListener('click', async () => {

const prompt = tutorialPromptInput.value.trim();

if (!prompt) {

aiTutorialOutput.innerHTML = '<p class="text-red-500 text-center">Please enter a tutorial topic.</p>';

return;

}

// Show loading indicator and disable button

loadingIndicator.style.display = 'block';

generateTutorialBtn.disabled = true;

aiTutorialOutput.innerHTML = ''; // Clear previous output

try {

let chatHistory = [];

chatHistory.push({ role: "user", parts: [{ text: `Generate a detailed Roblox development tutorial on the following topic: "${prompt}". Provide code examples if relevant. Structure it with clear headings and bullet points.` }] });

const payload = { contents: chatHistory };

const apiKey = ""; // Canvas will provide this at runtime

const apiUrl = `https://generativelanguage.googleapis.com/v1beta/models/gemini-2.0-flash:generateContent?key=${apiKey}`;

const response = await fetch(apiUrl, {

method: 'POST',

headers: { 'Content-Type': 'application/json' },

body: JSON.stringify(payload)

});

const result = await response.json();

if (result.candidates && result.candidates.length > 0 &&

result.candidates[0].content && result.candidates[0].content.parts &&

result.candidates[0].content.parts.length > 0) {

const text = result.candidates[0].content.parts[0].text;

aiTutorialOutput.innerHTML = `<pre class="whitespace-pre-wrap">${text}</pre>`; // Use pre-wrap to maintain formatting

} else {

aiTutorialOutput.innerHTML = '<p class="text-red-500 text-center">Failed to generate tutorial. Please try again.</p>';

console.error('Unexpected API response structure:', result);

}

} catch (error) {

aiTutorialOutput.innerHTML = '<p class="text-red-500 text-center">An error occurred while generating the tutorial. Please check your network connection and try again.</p>';

console.error('Error generating tutorial:', error);

} finally {

// Hide loading indicator and enable button

loadingIndicator.style.display = 'none';

generateTutorialBtn.disabled = false;

}

});

// Background Particle Animation Logic

const canvas = document.getElementById('background-canvas');

const ctx = canvas.getContext('2d');

let particles = [];

const numParticles = 150; // Increased for more density

const maxDistance = 150; // Increased for longer, more visible connections

// Particle class

class Particle {

constructor(x, y, radius, color, velocityX, velocityY) {

this.x = x;

this.y = y;

this.radius = radius;

this.color = color;

// Slower, more subtle movement for professionalism

this.velocityX = (Math.random() - 0.5) \* 0.4; // -0.2 to 0.2

this.velocityY = (Math.random() - 0.5) \* 0.4; // -0.2 to 0.2

}

draw() {

ctx.beginPath();

ctx.arc(this.x, this.y, this.radius, 0, Math.PI \* 2);

ctx.fillStyle = this.color;

ctx.fill();

}

update() {

this.x += this.velocityX;

this.y += this.velocityY;

// Bounce off walls

if (this.x + this.radius > canvas.width || this.x - this.radius < 0) {

this.velocityX \*= -1;

}

if (this.y + this.radius > canvas.height || this.y - this.radius < 0) {

this.velocityY \*= -1;

}

}

}

// Initialize particles

function initParticles() {

particles = [];

canvas.width = window.innerWidth;

canvas.height = window.innerHeight;

for (let i = 0; i < numParticles; i++) {

const radius = Math.random() \* 1.5 + 0.5; // 0.5 to 2 pixels, smaller particles

const x = Math.random() \* (canvas.width - radius \* 2) + radius;

const y = Math.random() \* (canvas.height - radius \* 2) + radius;

const velocityX = (Math.random() - 0.5) \* 0.4;

const velocityY = (Math.random() - 0.5) \* 0.4;

// More subtle blue/gray tones for particles

const color = `rgba(108, 117, 125, ${Math.random() \* 0.3 + 0.05})`; /\* Muted gray with low transparency \*/

particles.push(new Particle(x, y, radius, color, velocityX, velocityY));

}

}

// Draw lines between nearby particles

function drawLines() {

for (let i = 0; i < particles.length; i++) {

for (let j = i; j < particles.length; j++) {

const p1 = particles[i];

const p2 = particles[j];

const distance = Math.sqrt(Math.pow(p1.x - p2.x, 2) + Math.pow(p1.y - p2.y, 2));

if (distance < maxDistance) {

ctx.beginPath();

ctx.moveTo(p1.x, p1.y);

ctx.lineTo(p2.x, p2.y);

// Very subtle, almost invisible lines

ctx.strokeStyle = `rgba(108, 117, 125, ${0.5 - (distance / maxDistance) \* 0.4})`; /\* Fading gray lines \*/

ctx.lineWidth = 0.3; /\* Thinner lines \*/

ctx.stroke();

}

}

}

}

// Animation loop

function animateBackground() {

requestAnimationFrame(animateBackground);

ctx.clearRect(0, 0, canvas.width, canvas.height); // Clear canvas

particles.forEach(particle => {

particle.update();

particle.draw();

});

drawLines();

}

// Handle window resizing

window.addEventListener('resize', initParticles);

// Initialize and start animation when window loads

window.onload = function() {

initParticles();

animateBackground();

// Render initial 4 decal packs on page load

renderDecalCards(document.getElementById('initial-decal-grid'), allDecalPacksData.slice(0, 4));

};

// Not Ready Message Box Logic

const notReadyMessage = document.getElementById('not-ready-message');

let messageTimeout;

function showNotReadyMessage(event) {

// Prevent default link behavior if it's a placeholder link

if (event && event.target && event.target.getAttribute('href') === '#') {

event.preventDefault();

}

// Clear any existing timeout to prevent multiple messages overlapping

clearTimeout(messageTimeout);

notReadyMessage.classList.add('show');

// Hide the message after 3 seconds

messageTimeout = setTimeout(() => {

notReadyMessage.classList.remove('show');

}, 3000);

}

// Function to simulate decal pack download

function downloadDecalPack(event, packName) {

event.preventDefault(); // Prevent default link behavior

// Simulate a file download using a Blob

const dummyContent = `This is a dummy download for the ${packName}. In a real application, this would be your actual decal pack content.`;

const blob = new Blob([dummyContent], { type: 'application/zip' }); // Use application/zip for a zip file

const url = URL.createObjectURL(blob);

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

a.href = url;

a.download = `${packName}.zip`; // Set the filename for download

document.body.appendChild(a);

a.click(); // Programmatically click the link to trigger download

// Clean up

document.body.removeChild(a);

URL.revokeObjectURL(url);

// Optionally, show a confirmation message

// You could replace this with a more sophisticated UI notification

console.log(`Simulated download for: ${packName}.zip`);

// alert(`Download started for ${packName}.zip!`); // Using console.log instead of alert

}

// Array of all decal pack data (expanded for the modal)

const allDecalPacksData = [

{ id: 'Nature\_Environment\_Pack', title: 'Nature & Environment Pack', description: 'A versatile collection of decals for natural environments: trees, rocks, grass, and water effects.', img: 'https://placehold.co/400x200/4CAF50/ffffff?text=Nature+Essentials', theme: 'nature-theme' },

{ id: 'Sci-Fi\_UI\_Panels\_Pack', title: 'Sci-Fi UI & Panel Decals', description: 'Futuristic user interface elements, panel details, and holographic textures for sci-fi games.', img: 'https://placehold.co/400x200/FFC107/333333?text=Cyberpunk+UI', theme: 'sci-fi-theme' },

{ id: 'Fantasy\_Magic\_Effects\_Pack', title: 'Fantasy & Magic Effects', description: 'Mystical symbols, spell effects, ancient runes, and magical aura textures for fantasy worlds.', img: 'https://placehold.co/400x200/9C27B0/ffffff?text=Ancient+Runes', theme: 'fantasy-theme' },

{ id: 'Urban\_Graffiti\_Pack', title: 'Urban & Graffiti Pack', description: 'Street art, weathered signs, grunge textures, and urban decay decals for city environments.', img: 'https://placehold.co/400x200/E91E63/ffffff?text=Gritty+Urban', theme: 'urban-theme' },

{ id: 'Industrial\_Mechanical\_Pack', title: 'Industrial & Mechanical Decals', description: 'Gears, vents, warning signs, and metallic textures for factory or machine-themed builds.', img: 'https://placehold.co/400x200/607d8b/ffffff?text=Industrial+Elements', theme: 'industrial-theme' },

{ id: 'Food\_Drink\_Assets\_Pack', title: 'Food & Drink Assets', description: 'A delicious assortment of decals for restaurants, cafes, or food-themed games.', img: 'https://placehold.co/400x200/ffeb3b/333333?text=Food+%26+Drink', theme: 'food-theme' },

{ id: 'Abstract\_Geometric\_Pack', title: 'Abstract & Geometric Patterns', description: 'Modern patterns, intricate shapes, and abstract designs for futuristic or artistic builds.', img: 'https://placehold.co/400x200/8e24aa/ffffff?text=Geometric+Patterns', theme: 'abstract-theme' },

{ id: 'Horror\_Spooky\_Pack', title: 'Horror & Spooky Effects', description: 'Blood splatters, cracks, eerie symbols, and unsettling textures for horror-themed experiences.', img: 'https://placehold.co/400x200/212121/b71c1c?text=Spooky+Effects', theme: 'horror-theme' },

{ id: 'Cartoon\_Stylized\_Pack', title: 'Cartoon & Stylized Elements', description: 'Hand-drawn effects, comic book elements, and vibrant textures for whimsical and stylized games.', img: 'https://placehold.co/400x200/00bcd4/8bc34a?text=Cartoon+Fx', theme: 'cartoon-theme' },

{ id: 'Vintage\_Retro\_Pack', title: 'Vintage & Retro Pack', description: 'Classic signs, aged textures, and nostalgic elements for retro-themed builds.', img: 'https://placehold.co/400x200/795548/ffffff?text=Retro+Signs', theme: 'vintage-theme' },

{ id: 'Military\_Tactical\_Pack', title: 'Military & Tactical Decals', description: 'Camouflage patterns, tactical symbols, and weathered metal textures for combat games.', img: 'https://placehold.co/400x200/546e7a/eceff1?text=Military+Gear', theme: 'industrial-theme' },

{ id: 'Space\_Exploration\_Pack', title: 'Space & Exploration Decals', description: 'Stars, planets, nebula effects, and futuristic spaceship paneling for space-themed games.', img: 'https://placehold.co/400x200/3f51b5/c5cae9?text=Cosmic+Voyage', theme: 'sci-fi-theme' },

{ id: 'Cyberpunk\_Neon\_Pack', title: 'Cyberpunk Neon Decals', description: 'Bright neon lights, glowing signs, and circuit board patterns for a dystopian future.', img: 'https://placehold.co/400x200/ff00ff/00ffff?text=Neon+City', theme: 'abstract-theme' },

{ id: 'Building\_Material\_Pack', title: 'Building Material Textures', description: 'High-resolution textures for bricks, wood, concrete, and roofing materials.', img: 'https://placehold.co/400x200/757575/bdbdbd?text=Building+Blocks', theme: 'urban-theme' },

{ id: 'Animal\_Creature\_Pack', title: 'Animal & Creature Decals', description: 'Various animal prints, creature scales, and fantasy beast textures.', img: 'https://placehold.co/400x200/795548/d7ccc8?text=Wild+Life', theme: 'nature-theme' }

];

// Modal elements

const allDecalsModal = document.getElementById('all-decals-modal');

const allDecalsGrid = document.getElementById('all-decals-grid');

const viewAllDecalsBtn = document.getElementById('view-all-decals-btn');

const initialDecalGrid = document.getElementById('initial-decal-grid');

// Function to render decal cards into a given container

function renderDecalCards(container, decals) {

container.innerHTML = '';

decals.forEach(pack => {

const cardHtml = `

<div class="decal-pack-card ${pack.theme}">

<img src="${pack.img}" alt="${pack.title} Thumbnail">

<div class="content">

<h3 class="text-2xl font-semibold text-gray-800 mb-3">${pack.title}</h3>

<p class="text-gray-600 mb-4 leading-relaxed">${pack.description}</p>

<a href="#" onclick="downloadDecalPack(event, '${pack.id}');" class="btn btn-primary text-md">Download Pack</a>

</div>

</div>

`;

container.insertAdjacentHTML('beforeend', cardHtml);

});

}

// Open the "View All Decal Packs" modal

function openAllDecalsModal(event) {

event.preventDefault();

renderDecalCards(allDecalsGrid, allDecalPacksData);

allDecalsModal.classList.add('show');

document.body.style.overflow = 'hidden';

}

// Close the "View All Decal Packs" modal

function closeAllDecalsModal() {

allDecalsModal.classList.remove('show');

document.body.style.overflow = '';

}

// Attach event listener to the "View All Decals Packs" button

viewAllDecalsBtn.addEventListener('click', openAllDecalsModal);

// Attach showNotReadyMessage to relevant links (excluding downloadDecalPack and openAllDecalsModal)

document.querySelectorAll('a[href="#"]').forEach(link => {

if (link.id === 'view-all-decals-btn') {

return;

}

if (!link.getAttribute('onclick') || (!link.getAttribute('onclick').includes('downloadDecalPack') && !link.getAttribute('onclick').includes('openAllDecalsModal'))) {

link.addEventListener('click', showNotReadyMessage);

}

});

</script>

</body>

</html>