

Full Stack Lab assignment -3

Name: R.Karan: 2547241

Home.html

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

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

  <title>Wanderlust - Travel Website</title>

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

  <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/font-awesome/6.0.0/css/all.min.css">

  <link rel="stylesheet" href="style.css">

</head>

<body class="bg-black text-white">

  <nav class="bg-black fixed w-full z-50">

    <div class="max-w-7xl mx-auto px-4">

      <div class="flex justify-between items-center h-10">

        <div class="flex items-center">

          <span class="text-xl font-bold text-emerald-700">Wanderlust</span>

        </div>

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

          <a href="#home" class="text-white hover:text-emerald-700 px-3 py-2 flex items-center">

            <i class="fas fa-home mr-2"></i>Home

          </a>

          <a href="#places" class="text-white hover:text-emerald-700 px-3 py-2 flex items-center">

            <i class="fas fa-map-marker-alt mr-2"></i>Places

          </a>

          <a href="#gallery" class="text-white hover:text-emerald-700 px-3 py-2 flex items-center">
```

```
        <i class="fas fa-images mr-2"></i>Gallery
    </a>

    <a href="#contact" class="text-white hover:text-emerald-700 px-3 py-2 flex items-
center">

        <i class="fas fa-envelope mr-2"></i>Contact
    </a>
</div>
```

```
<div class="md:hidden">

    <button id="mobile-menu-btn" class="text-white hover:text-emerald-700">

        <i class="fas fa-bars text-xl"></i>

    </button>
</div>
</div>
```

```
<div id="mobile-menu" class="hidden md:hidden pb-4 ">

    <a href="#home" class="block text-white hover:text-emerald-700 px-3 py-2">

        <i class="fas fa-home mr-2"></i>Home
    </a>

    <a href="#places" class="block text-white hover:text-emerald-700 px-3 py-2">

        <i class="fas fa-map-marker-alt mr-2"></i>Places
    </a>

    <a href="#gallery" class="block text-white hover:text-emerald-700 px-3 py-2">

        <i class="fas fa-images mr-2"></i>Gallery
    </a>

    <a href="#contact" class="block text-white hover:text-emerald-700 px-3 py-2">

        <i class="fas fa-envelope mr-2"></i>Contact
    </a>
</div>
</div>
</nav>
```

```

<section id="home" class="hero-section relative h-screen flex items-center justify-center">

  <div class="bg-black-700"></div>

  <div class="relative z-10 text-center px-4">

    <h1 class="text-4xl md:text-6xl font-bold mb-4 text-white">

      Discover Amazing Places

    </h1>

    <p class="text-lg md:text-xl mb-8 text-gray-300 max-w-2xl mx-auto">

      Explore breathtaking destinations around the world and create unforgettable memories

    </p>

    <button class="bg-emerald-700 hover:bg-emerald-700 text-white px-8 py-3 rounded-lg text-
lg">

      <i class="fas fa-compass mr-2"></i>Explore Now

    </button>

  </div>

</section>

```

<!-- Audio Element -->

```

<section class="py-8 bg-stone-900">

  <div class="max-w-7xl mx-auto px-4 text-center">

    <h3 class="text-2xl font-bold mb-4 text-emerald-700">Relaxing Background Music</h3>

    <audio controls class="mx-auto">

      <source src="/2547241_lab2/audio/Professional-weeknd.mp3" type="audio/mpeg">

      Your browser does not support the audio element.

    </audio>

  </div>

</section>

```

<!-- Video Section -->

```

<section class="py-16 bg-gray-900">

  <div class="max-w-7xl mx-auto px-4">

```

<h2 class="text-3xl font-bold text-center mb-12 text-emerald-700">Travel Experience</h2>

<div class="max-w-4xl mx-auto">

<video controls class="w-full rounded-lg shadow-xl" poster="images/video-poster.jpg">

<source src="/2547241_lab2/video/Maldives Cinematic Travel video.mp4" type="video/mp4">

<track kind="subtitles" src="subtitles.vtt" srclang="en" label="English" default>

Your browser does not support the video tag.

</video>

<p class="text-center text-gray-400 mt-4">

<small>Experience breathtaking destinations and adventures around the world</small>

</p>

</div>

</div>

</section>

<!-- Places Section -->

<section id="places" class="py-16 bg-gray-800">

<div class="max-w-7xl mx-auto px-4">

<h2 class="text-3xl font-bold text-center mb-12 text-emerald-700">Popular Destinations</h2>

<div class="grid grid-cols-1 md:grid-cols-2 lg:grid-cols-3 gap-8">

<div class="bg-gray-700 rounded-lg overflow-hidden shadow-lg">

<div class="p-8">

<h3 class="text-xl font-bold mb-2 text-emerald-700">Toronto, Cannada</h3>

<p class="text-gray-300">Toronto: A World Within a City.</p>

</div>

</div>

<div class="bg-gray-700 rounded-lg overflow-hidden shadow-lg">

<div class="p-6">

```

        <h3 class="text-xl font-bold mb-2 text-emerald-700">Tokyo, Japan</h3>

        <p class="text-gray-300">Modern meets traditional</p>

    </div>

</div>

<div class="bg-gray-700 rounded-lg overflow-hidden shadow-lg">

    

    <div class="p-6">

        <h3 class="text-xl font-bold mb-2 text-emerald-700">New York, USA</h3>

        <p class="text-gray-300">The city that never sleeps</p>

    </div>

</div>

</div>

</div>

</div>

</section>

<!-- API Data Section -->

<section class="py-16 bg-gray-900">

    <div class="max-w-7xl mx-auto px-4">

        <h2 class="text-3xl font-bold text-center mb-12 text-emerald-700">Travel Tips</h2>

        <div id="api-content" class="grid grid-cols-1 md:grid-cols-2 lg:grid-cols-3 gap-6">

            <div class="text-center">

                <i class="fas fa-spinner fa-spin text-pink-400 text-2xl"></i>

                <p class="text-gray-300 mt-2">Loading content...</p>

            </div>

        </div>

    </div>

</section>

<!-- Gallery Section -->

<section id="gallery" class="py-16 bg-slate-800">

```

```
<div class="max-w-7xl mx-auto px-4">

  <h2 class="text-3xl font-bold text-center mb-12 text-emerald-700">Photo Gallery</h2>

  <div class="grid grid-cols-1 sm:grid-cols-2 md:grid-cols-3 lg:grid-cols-4 gap-4">

    <div class="bg-gray-700 rounded-lg overflow-hidden shadow-lg">

      

    </div>

    <div class="bg-gray-700 rounded-lg overflow-hidden shadow-lg">

      

    </div>

    <div class="bg-gray-700 rounded-lg overflow-hidden shadow-lg">

      

    </div>

    <div class="bg-gray-700 rounded-lg overflow-hidden shadow-lg">

      

    </div>

  </div>

</div>

</section>
```

<!-- Contact Section -->

```
<section id="contact" class="py-16 bg-gray-900">

  <div class="max-w-7xl mx-auto px-4">

    <h2 class="text-3xl font-bold text-center mb-12 text-emerald-700">Contact Us</h2>

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

      <form class="space-y-6">

        <div>

          <label class="block text-gray-300 mb-2">Name</label>

          <input type="text" class="w-full px-4 py-2 bg-gray-700 text-white rounded-lg focus:outline-none focus:ring-2 focus:ring-pink-400">

        </div>

      </form>

    </div>

  </div>

</section>
```

```
</div>

<div>

  <label class="block text-gray-300 mb-2">Email</label>

  <input type="email" class="w-full px-4 py-2 bg-gray-700 text-white rounded-lg
focus:outline-none focus:ring-2 focus:ring-pink-400">

</div>

<div>

  <label class="block text-gray-300 mb-2">Message</label>

  <textarea rows="4" class="w-full px-4 py-2 bg-gray-700 text-white rounded-lg
focus:outline-none focus:ring-2 focus:ring-pink-400"></textarea>

</div>

  <button type="submit" class="w-full bg-emerald-700 hover:bg-emerald-900 text-white
py-2 px-4 rounded-lg font-semibold">

    Send Message

  </button>

</form>

</div>

</div>

</section>


<!-- Footer -->

<footer class="bg-black py-8">

  <div class="max-w-7xl mx-auto px-4 text-center">

    <!-- SVG Icon -->

    <div class="mb-4">

      <svg class="w-12 h-12 mx-auto text-emerald-700" fill="currentColor" viewBox="0 0 24 24">

        <path d="M12 2C8.13 2 5 5.13 5 9c0 5.25 7 13 7 13s7-7.75 7-13c0-3.87-3.13-7-7-7zm0
9.5c-1.38 0-2.5-1.12-2.5-2.5s1.12-2.5 2.5-2.5 2.5 1.12 2.5 2.5-1.12 2.5-2.5 2.5z"/>

      </svg>

    </div>

    <p class="text-gray-400">&copy; 2024 ExploreWorld. All rights reserved.</p>

    <div class="mt-4 space-x-4">
```

```
<a href="#" class="text-gray-400 hover:text-emerald-700">
```

```
  <i class="fab fa-facebook-f"></i>
```

```
</a>
```

```
<a href="#" class="text-gray-400 hover:text-emerald-700">
```

```
  <i class="fab fa-twitter"></i>
```

```
</a>
```

```
<a href="#" class="text-gray-400 hover:text-emerald-700">
```

```
  <i class="fab fa-instagram"></i>
```

```
</a>
```

```
</div>
```

```
</div>
```

```
</footer>
```

```
<script src="script.js"></script>
```

```
</body>
```

```
</html>
```


Style.css

/ Custom CSS for Kissland-inspired theme */*

/ Hero Section Background */*

```
.hero-section {  
    background: linear-gradient(rgba(0, 0, 0, 0.6), rgba(0, 0, 0, 0.6)), url('/2547241_lab2/images/bg-image.jpeg');  
    background-size: cover;  
    background-position: center;  
    background-attachment: fixed;  
    position: relative;  
}
```

/ Smooth scrolling */*

```
html {  
    scroll-behavior: smooth;  
}
```

/ Card hover effects */*

```
.bg-gray-700:hover {  
    transform: translateY(-5px);  
    transition: transform 0.3s ease;  
    box-shadow: 0 10px 25px rgba(31, 101, 65, 0.797);  
}
```

/ Button animations */*

```
button:hover {  
    transform: translateY(-2px);  
    transition: all 0.3s ease;  
    box-shadow: 0 5px 15px rgba(31, 101, 65, 0.797);  
}
```

/ Navigation hover effects */*

```
nav a:hover {  
    transition: color 0.3s ease;  
}
```

/ Form focus effects */*

```
input:focus, textarea:focus {  
    box-shadow: 0 0 0 2px rgba(31, 101, 65, 0.797);  
}
```

/ Video and audio styling */*

```
video, audio {  
    border-radius: 8px;  
    box-shadow: 0 8px 25px rgba(31, 101, 65, 0.797);  
}
```

/ Mobile responsive adjustments */*

```
@media (max-width: 768px) {  
    .hero-section h1 {  
        font-size: 2.5rem;  
    }  
}
```

```
    .hero-section p {  
        font-size: 1rem;  
    }  
}
```

/ Loading animation */*

```
@keyframes spin {  
    0% { transform: rotate(0deg); }  
    100% { transform: rotate(360deg); }  
}
```

```
/* Fade in animation for sections */
```

```
.fade-in {  
  opacity: 0;  
  transform: translateY(20px);  
  transition: opacity 0.6s ease, transform 0.6s ease;  
}
```

```
.fade-in.visible {  
  opacity: 1;  
  transform: translateY(0);  
}
```

Script.js

```
// Mobile Menu Toggle
```

```
document.addEventListener('DOMContentLoaded', function() {  
  const mobileMenuBtn = document.getElementById('mobile-menu-btn');  
  const mobileMenu = document.getElementById('mobile-menu');
```

```
  mobileMenuBtn.addEventListener('click', function() {  
    mobileMenu.classList.toggle('hidden');
```

```
// Toggle icon
```

```
    const icon = mobileMenuBtn.querySelector('i');  
    if (mobileMenu.classList.contains('hidden')) {  
      icon.classList.remove('fa-times');  
      icon.classList.add('fa-bars');  
    } else {  
      icon.classList.remove('fa-bars');  
      icon.classList.add('fa-times');  
    }  
  });  
});
```

```

// Close mobile menu when clicking on a link

const mobileLinks = mobileMenu.querySelectorAll('a');
mobileLinks.forEach(link => {
  link.addEventListener('click', function() {
    mobileMenu.classList.add('hidden');
    const icon = mobileMenuBtn.querySelector('i');
    icon.classList.remove('fa-times');
    icon.classList.add('fa-bars');
  });
});

// Smooth scrolling for navigation links
document.querySelectorAll('a[href^="#"]').forEach(anchor => {
  anchor.addEventListener('click', function (e) {
    e.preventDefault();
    const target = document.querySelector(this.getAttribute('href'));
    if (target) {
      target.scrollIntoView({
        behavior: 'smooth',
        block: 'start'
      });
    }
  });
});

// Fade in animation on scroll
function fadeInOnScroll() {
  const elements = document.querySelectorAll('.fade-in');

  elements.forEach(element => {
    const elementTop = element.getBoundingClientRect().top;

```

```

const elementVisible = 150;

if (elementTop < window.innerHeight - elementVisible) {
  element.classList.add('visible');
}
});
}

window.addEventListener('scroll', fadeInOnScroll);

// Fetch API - Multiple travel-related APIs
async function fetchTravelData() {
  try {
    // Option 1: REST Countries API for destination info
    const countriesResponse = await
fetch('https://restcountries.com/v3.1/region/europe?fields=name,capital,flag,population,region');
    const countries = await countriesResponse.json();

    const apiContent = document.getElementById('api-content');
    apiContent.innerHTML = "";

    // Display first 6 countries
    countries.slice(0, 6).forEach(country => {
      const countryCard = document.createElement('div');
      countryCard.className = 'bg-gray-700 p-6 rounded-lg shadow-lg fade-in hover:transform
hover:scale-105 transition-transform';
      countryCard.innerHTML = `
        <div class="text-center">
          <div class="text-4xl mb-4">${country.flag}</div>
          <h3 class="text-pink-400 font-semibold mb-2">${country.name.common}</h3>
          <p class="text-gray-300 mb-2"><i class="fas fa-map-marker-alt mr-
2"></i>${country.capital?.[0] || 'N/A'}</p>
          <p class="text-gray-400 text-sm">Population:
${country.population.toLocaleString()}</p>

```

```

        <p class="text-gray-400 text-sm">Region: ${country.region}</p>
    </div>

    `;

    apiContent.appendChild(countryCard);

    });

    fadeInOnScroll();

} catch (error) {
    console.error('Error fetching countries:', error);
    await fetchTravelTips(); // Fallback to quotes
}
}

// Alternative: Weather API for destinations
async function fetchWeatherData() {
    const cities = ['Paris', 'Tokyo', 'New York', 'London', 'Sydney', 'Dubai'];
    const apiKey = 'YOUR_API_KEY'; // You need to register for free at openweathermap.org

    try {
        const apiContent = document.getElementById('api-content');
        apiContent.innerHTML = "";

        for (const city of cities) {
            const response = await
fetch(`https://api.openweathermap.org/data/2.5/weather?q=${city}&appid=${apiKey}&units=metric`
);

            const data = await response.json();

            const weatherCard = document.createElement('div');
            weatherCard.className = 'bg-gray-700 p-6 rounded-lg shadow-lg fade-in';
            weatherCard.innerHTML = `
                <div class="text-center">

```

```

        <i class="fas fa-cloud-sun text-pink-400 text-2xl mb-4"></i>
        <h3 class="text-pink-400 font-semibold mb-2">${data.name}</h3>
        <p class="text-gray-300 mb-2">${Math.round(data.main.temp)}°C</p>
        <p class="text-gray-400 text-sm">${data.weather[0].description}</p>
    </div>
`;
    apiContent.appendChild(weatherCard);
}

fadeInOnScroll();

} catch (error) {
    console.error('Error fetching weather:', error);
    await fetchTravelData(); // Fallback to countries
}
}

// Try to fetch travel data when page loads
document.addEventListener('DOMContentLoaded', async function() {
    // Add fade-in class to sections
    const sections = document.querySelectorAll('section');
    sections.forEach(section => {
        section.classList.add('fade-in');
    });

    // Try different APIs in order of preference
    try {
        await fetchTravelData(); // Try countries API first
    } catch (error) {
        try {
            await fetchTravelTips(); // Fallback to quotes
        } catch (error) {

```

```
        await fetchAlternativeTips(); // Final fallback
    }
}
});
```

// Contact form submission

```
document.querySelector('form').addEventListener('submit', function(e) {
    e.preventDefault();
```

// Get form data

```
const formData = new FormData(this);
const name = this.querySelector('input[type="text"]').value;
const email = this.querySelector('input[type="email"]').value;
const message = this.querySelector('textarea').value;
```

// Simple validation

```
if (!name || !email || !message) {
    alert('Please fill in all fields');
    return;
}
```

// Simulate form submission

```
alert('Thank you for your message! We will get back to you soon.');
```

```
this.reset();
});
```

// Add some interactivity to the hero button

```
document.querySelector('.hero-section button').addEventListener('click', function() {
    document.querySelector('#places').scrollIntoView({
        behavior: 'smooth'
    });
});
});
```


// Add hover effects to gallery images

```
document.querySelectorAll('#gallery img').forEach(img => {  
  img.addEventListener('mouseenter', function() {  
    this.style.transform = 'scale(1.05)';  
    this.style.transition = 'transform 0.3s ease';  
  });  
  
  img.addEventListener('mouseleave', function() {  
    this.style.transform = 'scale(1)';  
  });  
});
```

// Parallax effect for hero section

```
window.addEventListener('scroll', function() {  
  const scrolled = window.pageYOffset;  
  const hero = document.querySelector('.hero-section');  
  const rate = scrolled * -0.5;  
  
  if (hero) {  
    hero.style.transform = `translateY(${rate}px)`;  
  }  
});
```

OUTPUT

Discover Amazing Places

Explore breathtaking destinations around the world and create unforgettable memories

[Explore Now](#)

Photo Gallery



Contact Us

Name

Email

