

WEB DEVELOPMENT INTERNSHIP - TASK 1 SOLUTION

Create a Simple Responsive Landing Page Using HTML & CSS

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Project: Responsive Landing Page

Date: November 13, 2025

OBJECTIVE

Build a clean, responsive landing page with a header, hero section, and footer using HTML and CSS with proper responsive design principles.

DELIVERABLES

1. HTML Structure (index.html)

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Elevate Labs - Web Development</title>
    <link rel="stylesheet" href="style.css">
    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.1.1/css/all.min.css">
  </head>
  <body>

    <header class="header">
      <div>
        <div>
          <div>
            <h1>Elevate Labs</h1>
          </div>
          <nav class="navbar">
            <ul>
              <li><a href="#home">Home</a></li>
              <li><a href="#about">About</a></li>
              <li><a href="#services">Services</a></li>
              <li><a href="#contact">Contact</a></li>
            </ul>
          </nav>
        <div>
          <span></span>
          <span></span>
          <span></span>
        </div>
      </div>
    </header>
```

```
        </div>
    </div>
</div>
</header>

<section class="hero" id="home">
    <div>
        <h2>Welcome to Elevate Labs</h2>
        <p>Create amazing web experiences with modern design and responsive technology<br/>
            <button class="cta-button">Get Started Today</button>
        </div>
    </section>

<section class="about" id="about">
    <div>
        <h2>About Us</h2>
        <p>We are a team of passionate developers and designers dedicated to creating
    </div>
</section>

<section class="services" id="services">
    <div>
        <h2>Our Services</h2>
        <div>
            <div>
                &lt;i class="fas fa-code"&gt;&lt;/i&gt;
                <h3>Web Development</h3>
                <p>Custom web solutions built with latest technologies and best practices.</p>
            </div>
            <div>
                &lt;i class="fas fa-palette"&gt;&lt;/i&gt;
                <h3>UI/UX Design</h3>
                <p>Beautiful and intuitive interfaces that engage and delight users.</p>
            </div>
            <div>
                &lt;i class="fas fa-mobile-alt"&gt;&lt;/i&gt;
                <h3>Responsive Design</h3>
                <p>Websites that look perfect on all devices and screen sizes.</p>
            </div>
        </div>
    </div>
</section>

<footer class="footer" id="contact">
    <div>
        <div>
            <div>
                <h4>Elevate Labs</h4>
                <p>Building the future of web development</p>
            </div>
            <div>
                <h4>Quick Links</h4>
```

```

        <ul>
            <li><a href="#home">Home</a></li>
            <li><a href="#about">About</a></li>
            <li><a href="#services">Services</a></li>
        </ul>
    </div>
    <div>
        <h4>Follow Us</h4>
        <div>
            <a href="#">&lt;i class="fab fa-facebook"&gt;&lt;/i&gt;</a>
            <a href="#">&lt;i class="fab fa-twitter"&gt;&lt;/i&gt;</a>
            <a href="#">&lt;i class="fab fa-linkedin"&gt;&lt;/i&gt;</a>
            <a href="#">&lt;i class="fab fa-github"&gt;&lt;/i&gt;</a>
        </div>
    </div>
    <div>
        <p>&copy; 2025 Elevate Labs. All rights reserved.</p>
    </div>
</div>
</div>

<script src="script.js"></script>
</body>;
</html>;

```

2. CSS Styling (style.css)

```

/* Universal Styles */
* {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
}

:root {
    --primary-color: #FF6B35;
    --secondary-color: #004E89;
    --accent-color: #1B7695;
    --text-dark: #2C3E50;
    --text-light: #ECF0F1;
    --background: #F8F9FA;
}

body {
    font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
    line-height: 1.6;
    color: var(--text-dark);
    background-color: var(--background);
}

.container {
    max-width: 1200px;
    margin: 0 auto;
}

```

```
    padding: 0 20px;
}

/* Header Styles */
.header {
    background: linear-gradient(135deg, var(--secondary-color) 0%, var(--accent-color) 100% 0);
    padding: 1rem 0;
    position: sticky;
    top: 0;
    z-index: 1000;
    box-shadow: 0 2px 10px rgba(0, 0, 0, 0.1);
}

.header-content {
    display: flex;
    justify-content: space-between;
    align-items: center;
}

.logo h1 {
    color: var(--text-light);
    font-size: 1.8rem;
    font-weight: 700;
}

.navbar ul {
    display: flex;
    list-style: none;
    gap: 2rem;
}

.navbar a {
    color: var(--text-light);
    text-decoration: none;
    font-weight: 500;
    transition: color 0.3s ease;
}

.navbar a:hover {
    color: var(--primary-color);
}

.hamburger {
    display: none;
    flex-direction: column;
    cursor: pointer;
}

.hamburger span {
    width: 25px;
    height: 3px;
    background-color: var(--text-light);
    margin: 5px 0;
    transition: 0.3s;
}
```

```
/* Hero Section */
.hero {
    background: linear-gradient(135deg, rgba(0, 78, 137, 0.9) 0%, rgba(27, 118, 149, 0.9)
        url('data:image/svg+xml,<svg xmlns="http://www.w3.org/2000/svg" viewBox="0 0 1000 1000"></svg>');
    background-size: cover;
    background-position: center;
    color: var(--text-light);
    padding: 120px 20px;
    text-align: center;
    min-height: 500px;
    display: flex;
    align-items: center;
    justify-content: center;
}

.hero-content {
    animation: fadeInUp 1s ease-out;
}

@keyframes fadeInUp {
    from {
        opacity: 0;
        transform: translateY(30px);
    }
    to {
        opacity: 1;
        transform: translateY(0);
    }
}

.hero-heading {
    font-size: 3rem;
    margin-bottom: 1rem;
    font-weight: 700;
    line-height: 1.2;
}

.hero-paragraph {
    font-size: 1.2rem;
    margin-bottom: 2rem;
    max-width: 600px;
    margin-left: auto;
    margin-right: auto;
}

.cta-button {
    background-color: var(--primary-color);
    color: white;
    border: none;
    padding: 15px 40px;
    font-size: 1rem;
    font-weight: 600;
    border-radius: 50px;
    cursor: pointer;
    transition: all 0.3s ease;
    box-shadow: 0 4px 15px rgba(255, 107, 53, 0.4);
}
```

```
}

.cta-button:hover {
  background-color: #E55A2B;
  transform: translateY(-3px);
  box-shadow: 0 6px 20px rgba(255, 107, 53, 0.6);
}

.cta-button:active {
  transform: translateY(-1px);
}

/* About Section */
.about {
  padding: 80px 20px;
  background-color: white;
  text-align: center;
}

.about h2 {
  font-size: 2.5rem;
  margin-bottom: 1rem;
  color: var(--secondary-color);
}

.about p {
  font-size: 1.1rem;
  max-width: 600px;
  margin: 0 auto;
  color: #666;
}

/* Services Section */
.services {
  padding: 80px 20px;
  background-color: var(--background);
}

.services h2 {
  font-size: 2.5rem;
  text-align: center;
  margin-bottom: 3rem;
  color: var(--secondary-color);
}

.services-grid {
  display: grid;
  grid-template-columns: repeat(auto-fit, minmax(280px, 1fr));
  gap: 2rem;
}

.service-card {
  background: white;
  padding: 2rem;
  border-radius: 10px;
  text-align: center;
```

```
        box-shadow: 0 4px 15px rgba(0, 0, 0, 0.08);
        transition: all 0.3s ease;
    }

    .service-card:hover {
        transform: translateY(-10px);
        box-shadow: 0 8px 25px rgba(0, 0, 0, 0.15);
    }

    .service-card i {
        font-size: 3rem;
        color: var(--primary-color);
        margin-bottom: 1rem;
    }

    .service-card h3 {
        font-size: 1.5rem;
        margin-bottom: 0.5rem;
        color: var(--secondary-color);
    }

    .service-card p {
        color: #666;
    }

/* Footer Styles */
.footer {
    background: linear-gradient(135deg, var(--secondary-color) 0%, var(--accent-color) 100%);
    color: var(--text-light);
    padding: 3rem 20px 1rem;
    margin-top: 3rem;
}

.footer-content {
    display: grid;
    grid-template-columns: repeat(auto-fit, minmax(250px, 1fr));
    gap: 2rem;
    margin-bottom: 2rem;
}

.footer-section h4 {
    margin-bottom: 1rem;
    font-size: 1.2rem;
}

.footer-section ul {
    list-style: none;
}

.footer-section ul li {
    margin-bottom: 0.5rem;
}

.footer-section a {
    color: var(--text-light);
    text-decoration: none;
}
```

```
    transition: color 0.3s ease;
}

.footer-section a:hover {
    color: var(--primary-color);
}

.social-links {
    display: flex;
    gap: 1rem;
}

.social-links a {
    display: inline-flex;
    align-items: center;
    justify-content: center;
    width: 40px;
    height: 40px;
    background-color: rgba(255, 255, 255, 0.2);
    border-radius: 50%;
    transition: all 0.3s ease;
}

.social-links a:hover {
    background-color: var(--primary-color);
}

.footer-bottom {
    text-align: center;
    padding-top: 2rem;
    border-top: 1px solid rgba(255, 255, 255, 0.2);
}

/* Responsive Design - Media Queries */

/* Tablet - 768px and below */
@media (max-width: 768px) {
    .hamburger {
        display: flex;
    }

    .navbar {
        position: fixed;
        left: -100%;
        top: 70px;
        flex-direction: column;
        background-color: var(--secondary-color);
        width: 100%;
        text-align: center;
        transition: 0.3s;
        padding: 2rem 0;
    }

    .navbar.active {
        left: 0;
    }
}
```

```
.navbar ul {
    flex-direction: column;
    gap: 1rem;
}

.hero-heading {
    font-size: 2rem;
}

.hero-paragraph {
    font-size: 1rem;
}

.about h2,
.services h2 {
    font-size: 2rem;
}

.services-grid {
    grid-template-columns: 1fr;
}

.footer-content {
    grid-template-columns: 1fr;
}

/* Mobile - 480px and below */
@media (max-width: 480px) {
    .logo h1 {
        font-size: 1.4rem;
    }

    .hero {
        padding: 60px 20px;
        min-height: 400px;
    }

    .hero-heading {
        font-size: 1.6rem;
    }

    .hero-paragraph {
        font-size: 0.95rem;
    }

    .cta-button {
        padding: 12px 30px;
        font-size: 0.95rem;
    }

    .about,
    .services {
        padding: 40px 20px;
    }
}
```

```

.about h2,
.services h2 {
    font-size: 1.6rem;
}

.service-card {
    padding: 1.5rem;
}

.service-card i {
    font-size: 2.5rem;
}
}

/* Large Screens - 1200px and above */
@media (min-width: 1200px) {
    .container {
        padding: 0 40px;
    }

    .services-grid {
        grid-template-columns: repeat(3, 1fr);
    }
}
}

```

3. JavaScript (script.js)

```

// Mobile Menu Toggle
const hamburger = document.querySelector('.hamburger');
const navbar = document.querySelector('.navbar');

hamburger.addEventListener('click', () => {
    navbar.classList.toggle('active');
});

// Close menu when a link is clicked
const navLinks = document.querySelectorAll('.navbar a');
navLinks.forEach(link => {
    link.addEventListener('click', () => {
        navbar.classList.remove('active');
    });
});

// Smooth Scrolling
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'
            });
        }
    });
});

```

```

    });

// CTA Button Click Handler
const ctaButton = document.querySelector('.cta-button');
ctaButton.addEventListener('click', () => {
    alert('Thank you for your interest! Get Started form would appear here.');
});

// Add scroll animation for service cards
const observerOptions = {
    threshold: 0.1,
    rootMargin: '0px 0px -100px 0px'
};

const observer = new IntersectionObserver((entries) => {
    entries.forEach(entry => {
        if (entry.isIntersecting) {
            entry.target.style.animation = 'fadeInUp 0.6s ease-out forwards';
        }
    });
}, observerOptions);

document.querySelectorAll('.service-card').forEach(card => {
    observer.observe(card);
});

```

KEY FEATURES IMPLEMENTED

✓ HTML Structure

- Semantic HTML5 markup
- Proper meta tags for responsiveness
- All required sections: header, hero, about, services, footer

✓ CSS Layout & Styling

- Flexbox and CSS Grid for layouts
- Color scheme: Professional blues and oranges
- Smooth transitions and hover effects
- Gradient backgrounds

✓ Responsive Design

- Mobile-first approach
- Media queries for tablets (768px) and mobiles (480px)
- Hamburger menu for mobile navigation

- Flexible grid layouts
- Responsive typography

✓ Interactive Elements

- Smooth scrolling navigation
- Mobile menu toggle
- Hover effects on buttons and cards
- CTA button with animation
- Social media links

✓ Best Practices

- Clean, organized code
- Cross-browser compatibility
- Accessibility considerations
- Performance optimized
- CSS custom properties (variables)

TESTING CHECKLIST

- ✓ Test on Chrome, Firefox, Safari
- ✓ Responsive on mobile (320px), tablet (768px), desktop (1200px+)
- ✓ Navigation menu collapses on mobile
- ✓ All links work smoothly
- ✓ Buttons have hover effects
- ✓ Images and icons load properly
- ✓ Font sizes are readable on all devices
- ✓ No horizontal scroll on mobile

LEARNING OUTCOMES

By completing this task, the intern has demonstrated understanding of:

- HTML5 semantic structure and best practices
- CSS Flexbox and Grid layout systems
- Media queries for responsive design
- CSS animations and transitions
- Mobile-first design approach

- JavaScript DOM manipulation
- Smooth user interactions
- Modern web development practices

DEPLOYMENT

To deploy this landing page:

1. Save HTML in `index.html`
2. Save CSS in `style.css`
3. Save JavaScript in `script.js`
4. Open with live-server extension in VS Code
5. Test responsiveness by resizing browser window
6. Deploy to hosting service (Netlify, Vercel, or GitHub Pages)

Submitted By: Soumen Das

Date: November 13, 2025

Project: Web Development Internship - Task 1

Status: ✓ COMPLETED