

LAB MANUAL

Building an AI-Powered FinTech Landing Page



Building an AI-Powered FinTech Landing Page

Objective

To build a responsive, interactive FinTech-themed web page that demonstrates modern UI elements and basic JavaScript interactivity (smooth scrolling, dynamic navbar, form validation).

Equipment Required

- A computer with VS Code or any text editor
- A modern web browser (Chrome, Edge, Firefox)
- Internet connection (if using external assets)

Prerequisites

- Basic knowledge of HTML, CSS, and JavaScript
- Familiarity with creating and linking CSS and JS files

Problem Statement

Create a **FinTech web page** that:

- Displays a navbar, hero section, services, about, and contact form.
- Implements smooth scrolling when links are clicked.
- Validates a contact form and provides instant feedback.

Procedure

1. Set up a project folder with three files: index.html, styles.css, and script.js.
2. Write semantic HTML to structure sections: Navbar, Hero, Services, About, Contact, Footer.
3. Style the page using CSS for layout, typography, colors, and responsiveness.
4. Use JavaScript to:
 - Change navbar style when scrolling.
 - Enable smooth scrolling for links and buttons.
 - Validate the contact form before submission.
5. Test the page in the browser and adjust for responsiveness.

Setting up the Environment

1. Install **VS Code** (or any text editor).
2. Create a folder and add the three files: index.html, styles.css, script.js.
3. Link styles.css in the HTML <head> and script.js before the closing </body> tag.

Code

HTML File: index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>FinEdge - Smart Financial Solutions</title>
  <link rel="stylesheet" href="styles.css">
</head>
<body>
  <!-- Navbar -->
  <nav class="navbar">
    <div class="logo">FinEdge</div>
    <ul class="nav-links">
      <li><a href="#services">Services</a></li>
      <li><a href="#about">About</a></li>
      <li><a href="#contact">Contact</a></li>
    </ul>
  </nav>

  <!-- Hero Section with working Unsplash image -->
  <header class="hero-section">
    <div class="hero-content">
      <h1>Transforming Finance with AI</h1>
      <p>Smarter, faster and more secure financial solutions for a digital world.</p>
      <button class="cta-btn" id="startBtn">Get Started</button>
    </div>
    <div class="hero-image">
      
    </div>
  </header>

  <!-- Services -->
  <section id="services" class="services">
    <h2>Our Services</h2>
    <div class="service-cards">
      <div class="card">
        
        <h3>Digital Payments</h3>
      </div>
    </div>
  </section>
</body>
</html>
```

```

        <p>AI-powered fraud detection ensures safe and seamless transactions.</p>
    </div>
    <div class="card">
        
        <h3>Smart Investments</h3>
        <p>Personalized strategies with real-time AI-driven insights.</p>
    </div>
    <div class="card">
        
        <h3>Instant Lending</h3>
        <p>Quick and secure lending with AI-based risk assessment.</p>
    </div>
</div>
</section>

<!-- About -->
<section id="about" class="about">
    <div class="about-text">
        <h2>About FinEdge</h2>
        <p>We use AI and modern technology to deliver financial services that are fast, transparent and secure. Our mission is to make finance simple and accessible for everyone.</p>
    </div>
    <div class="about-image">
        
    </div>
</section>

<!-- Contact -->
<section id="contact" class="contact">
    <h2>Contact Us</h2>
    <form id="contactForm">
        <input type="text" id="name" name="name" placeholder="Your Name" required>
        <input type="email" id="email" name="email" placeholder="Email Address" required>
        <textarea id="message" name="message" placeholder="Your Message" rows="4" required></textarea>
        <button type="submit" class="cta-btn">Submit</button>
    </form>
    <p class="form-response" id="formResponse"></p>
</section>

```

```
<!-- Footer -->
<footer>
  <p>&copy; 2025 FinEdge Solutions. All Rights Reserved.</p>
</footer>

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

JavaScript File: script.js

```
const navbar = document.querySelector(".navbar");
const links = document.querySelectorAll(".nav-links a");
const startBtn = document.getElementById("startBtn");
const form = document.getElementById("contactForm");
const response = document.getElementById("formResponse");

window.addEventListener("scroll", () =>
  navbar.classList.toggle("scrolled", window.scrollY > 50)
);

[...links, startBtn].forEach(el =>
  el.addEventListener("click", e => {
    e.preventDefault();
    const target = el.id === "startBtn" ? "#services" : el.getAttribute("href");
    document.querySelector(target).scrollIntoView({ behavior: "smooth" });
  })
);

form.addEventListener("submit", e => {
  e.preventDefault();
  const name = form.name.value.trim();
  const email = form.email.value.trim();
  const message = form.message.value.trim();

  if (!name || !email || !message) {
    response.style.color = "red";
    response.textContent = "Please fill out all fields.";
  } else {
    response.style.color = "green";
    response.textContent = "Thank you! We will get back to you soon.";
    form.reset();
  }
});
```

```
});
```

CSS File: styles.css

```
/* Reset */
* {margin:0; padding:0; box-sizing:border-box}
body {
  font-family:'Segoe UI',Tahoma,sans-serif;
  background:#f9fbff; color:#333; line-height:1.6; scroll-behavior:smooth;
}

/* Navbar */
.navbar {
  display:flex; justify-content:space-between; align-items:center;
  background:#003366; color:#fff; padding:15px 10%; position:sticky; top:0; z-
index:1000;
  transition:background .3s;
}
.navbar.scrolled {background:#001f4d}
.logo {font-size:1.8rem; font-weight:bold}
.nav-links {list-style:none; display:flex; gap:25px}
.nav-links a {
  color:#fff; text-decoration:none; font-weight:500; transition:color .3s;
}
.nav-links a:hover {color:#ffd700}

/* Hero Section */
.hero-section {
  background:linear-gradient(to right,#004080,#0073e6);
  color:#fff; padding:100px 10%;
  display:grid; grid-template-columns:1fr 1fr; gap:40px;
  align-items:center; min-height:70vh;
}
.hero-content h1 {font-size:3rem; margin-bottom:20px}
.hero-content p {font-size:1.2rem; margin-bottom:30px}
.hero-image img {
  max-width:100%;
  border-radius:12px;
  box-shadow:0 4px 12px rgba(0,0,0,0.3);
  background:white;
}
.cta-btn {
  background:#ffd700; color:#004080; padding:12px 30px; border:none; border-
radius:30px;
```

```
    font-size:1rem; cursor:pointer; transition:.3s;
}
.cta-btn:hover {background:#ffcc00; transform:scale(1.05)}

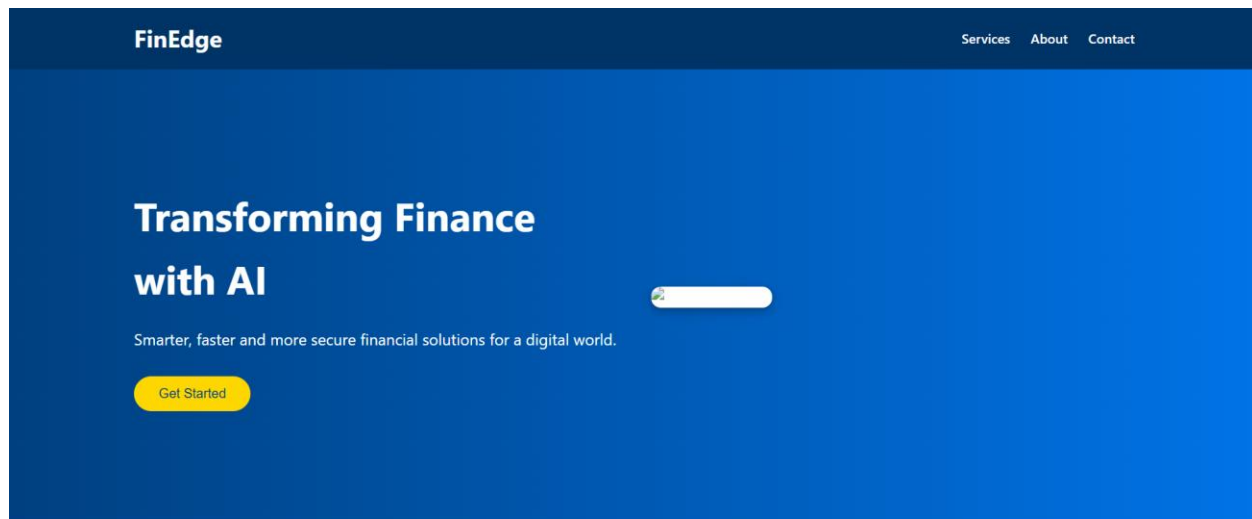
/* Services */
.services {padding:60px 10%; text-align:center}
.services h2 {font-size:2rem; color:#004080; margin-bottom:40px}
.service-cards {
    display:grid; grid-template-columns:repeat(auto-fit,minmax(260px,1fr));
    gap:25px;
}
.card {
    background:#fff; border-radius:12px; padding:25px; box-shadow:0 4px 12px
    rgba(0,0,0,.1);
    transition:.3s;
}
.card:hover {transform:translateY(-6px)}
.card img {
    width:60px; height:60px; object-fit:contain; margin-bottom:15px;
    background:#f0f0f0; border-radius:8px;
}
.card h3 {color:#004080; margin-bottom:10px}

/* About */
.about {
    display:grid; grid-template-columns:1fr 1fr; padding:60px 10%; gap:40px; align-
    items:center;
    background:#eef3f9;
}
.about h2 {color:#004080; font-size:2rem; margin-bottom:20px}
.about-image img {
    width:100%;
    border-radius:12px;
    box-shadow:0 4px 12px rgba(0,0,0,.1);
    background:white;
}

/* Contact */
.contact {padding:60px 10%; text-align:center}
.contact h2 {font-size:2rem; color:#004080; margin-bottom:30px}
.contact form {
    max-width:450px; margin:0 auto; display:flex; flex-direction:column; gap:15px;
}
.contact input,.contact textarea {
    padding:12px; border:1px solid #ccc; border-radius:6px; font-size:1rem;
```

```
}  
.form-response {margin-top:15px; font-weight:bold; color:green}  
  
/* Footer */  
footer {background:#003366; color:#fff; text-align:center; padding:15px}  
  
/* Responsive */  
@media(max-width:900px){  
  .hero-section{grid-template-columns:1fr; text-align:center}  
  .hero-content{text-align:center}  
  .about{grid-template-columns:1fr; text-align:center}  
}
```

Output



Our Services