**NAME:** Nyiko

**SURNAME:** Ngobeni

**STUDENT NUMBER:** ST10445526

**GitHub USERNAME:** st10445526@rcconnect or Nyiko015

**PASSWORD:** Puppetulus@15

**GitHub LINK:**

**WEDE5020**

**WEBSITE OVERVIEW**

As a digital platform that links traders with financial markets, a trading broker website gives them the means to purchase and sell assets including stocks, FX, commodities, and cryptocurrencies. These websites are made to provide smooth and effective trading experiences; they frequently have real-time market data, sophisticated charting tools, and user-friendly interfaces. Numerous brokers also provide a range of account kinds, including professional accounts with sophisticated features and demo accounts for practice, to accommodate both novice and seasoned traders.

Regulation and security are two of the most important aspects of any trading broker website. Reputable brokers are regularly granted licenses by regulatory organisations such as Bitcoin, Cryptocurrencies, or the U.S. Securities and Exchange Commission (SEC). These guidelines provide transparency, financial stability, and moral corporate practices. Most platforms also employ encryption and secure payment gateways to safeguard user data and transactions.

A quality trading broker website provides more than simply trade execution; it also provides market analysis, customer service, and educational materials. To assist consumers in developing their abilities and tactics, numerous brokers offer seminars, tutorials, and trading guides. Customer service, accessible by phone, email, or live chat, is crucial for addressing problems and providing real-time answers to trader questions.

Trading broker websites are changing to provide more advanced features, reduced fees, and improved automation because of ongoing technological improvements, making online trading more convenient and effective for investors worldwide.

**Changes from Part 1 to Part 3**

| **Stage** | **Description** |
| --- | --- |
| **PART 1** – HTML Structure | Built the foundational HTML for index.html, about.html, services.html, and contact.html. Pages include semantic layout, header/nav/footer, service descriptions, hero sections, embedded videos/maps, and contact form. |
| **PART 2** – CSS Styling | Added a modern and responsive design with colour theming, button styles, layout grids, dark mode support, animation (via @keyframes), spacing utilities, and hover interactions. Ensured mobile responsiveness with media queries. |
| **PART 3** – JavaScript Interactivity | Implemented AOS animation initialization, smooth scroll for anchor links, sticky header on scroll, current nav link highlighting, contact form validation, mobile menu toggle, keyboard/ARIA accessibility enhancements, and user alerts for login/signup. |

**Vision**

To become a global leader in digital trading by offering a secure, accessible, and innovative platform that empowers users to navigate financial markets with confidence.

**Mission**

To provide cutting-edge trading tools, real-time market access, and educational resources for both beginner and professional traders in a secure and user-friendly environment.

**Purpose**

TradeMaster is designed to bridge the gap between individual users and complex global markets-making trading more accessible, affordable, and understandable for everyone.

**Website Goals & Objectives**

| **Goal** | **Objective** |
| --- | --- |
| Educate Users | Offer informative, well-structured content and media to support trading knowledge. |
| Build Trust | Emphasize regulation, security, and professionalism in both content and design. |
| Increase User Engagement | Use interactive elements, responsive design, and animations to hold attention. |
| Showcase Services | Clearly present the different markets offered (crypto, forex, stocks, commodities). |
| Drive Conversions | Encourage users to “Sign Up” or “Start Trading” through call-to-action buttons. |
| Enhance Accessibility | Provide ARIA labels, keyboard support, and semantic HTML for all users. |
| Ensure Mobile Usability | Maintain a responsive and consistent experience across all devices. |

**Website Features & Functionality Overview**

| **Feature** | **Description** |
| --- | --- |
| Multi-page Layout | Structured pages: Home, About Us, Services, Contact Us. |
| Navigation Menu | Responsive navigation with active link highlighting, toggle menu for mobile. |
| Contact Form | Includes validation logic for required fields and email formatting. |
| Accessibility | ARIA attributes, keyboard support, semantic elements, screen reader alerts. |
| Responsive Design | Grid layout, flexbox, and media queries for all screen sizes. |
| Animations | AOS (Animate On Scroll) for smooth fade-ins and scroll-based motion. |
| Embedded Media | YouTube video on About page and Google Maps on Contact page. |
| Alerts | Interactive feedback for login/signup and contact form submissions. |
| Dark Mode Support | Uses prefers-colour-scheme to adapt to user system settings. |
| SEO Meta Tags | Optimized descriptions for visibility and search ranking. |
| Utility Classes | Reusable CSS classes for spacing, text alignment, and flex behaviour. |

**PART1 Codes**

<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8" />

  <meta name="viewport" content="width=device-width, initial-scale=1" />

  <meta name="description" content="TradeMaster - Advanced trading platform for global markets. Access stocks, forex, crypto, and commodities with low fees." />

  <title>TradeMaster - Professional Trading Platform</title>

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

  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.15.3/css/all.min.css" />

  <link rel="stylesheet" href="https://unpkg.com/aos@2.3.1/dist/aos.css" />

</head>

<body>

  <header>

    <div class="container">

      <div class="logo" aria-label="TradeMaster Logo and Brand Name">

        <h1>Trade<span>Master</span></h1>

        <img src="abouttrademaster.jpg" alt="TradeMaster Logo" class="logo-image" />

      </div>

      <button class="nav-toggle" aria-label="Toggle navigation menu" aria-expanded="false">&#9776;</button>

      <nav role="navigation" aria-label="Main navigation">

        <ul>

          <li><a href="index.html" class="active" aria-current="page">Home</a></li>

          <li><a href="about.html">About Us</a></li>

          <li><a href="services.html">Services</a></li>

          <li><a href="contact.html">Contact Us</a></li>

        </ul>

      </nav>

      <div class="auth-buttons">

        <button class="btn login">Log in</button>

        <button class="btn signup">Sign up</button>

      </div>

    </div>

  </header>

  <section class="hero" data-aos="fade-up">

    <div class="container">

      <div class="hero-content">

        <h2>Advanced Trading Platform for Modern Traders</h2>

        <p>Access global markets with our professional tools and low fees</p>

        <div class="cta-buttons">

          <button class="btn primary">Start Trading</button>

          <button class="btn secondary" onclick="window.location.href='about.html'">Learn More</button>

        </div>

      </div>

      <div class="hero-image" aria-hidden="true"></div>

    </div>

  </section>

  <!-- Example Markets Section -->

  <section class="markets" data-aos="fade-up">

    <div class="container">

      <h2>Markets We Offer</h2>

      <div class="market-grid">

        <div class="market-card">

          <h3>Cryptocurrency</h3>

          <p>Trade Bitcoin, Ethereum, and more with real-time prices.</p>

        </div>

        <div class="market-card">

          <h3>Stocks</h3>

          <p>Access major global stock exchanges with ease.</p>

        </div>

        <div class="market-card">

          <h3>Forex</h3>

          <p>Trade currency pairs 24/7 with advanced charting.</p>

        </div>

        <div class="market-card">

          <h3>Commodities</h3>

          <p>Diversify with gold, oil, and agricultural products.</p>

        </div>

      </div>

    </div>

  </section>

  <footer>

    <div class="container">

      <div class="footer-col">

        <h3>TradeMaster</h3>

        <p>Advanced trading platform for all levels of traders.</p>

        <div class="social-links" aria-label="Social Media Links">

          <a href="#" aria-label="Facebook"><i class="fab fa-facebook-f"></i></a>

          <a href="#" aria-label="Twitter"><i class="fab fa-twitter"></i></a>

          <a href="#" aria-label="Instagram"><i class="fab fa-instagram"></i></a>

        </div>

      </div>

      <div class="footer-col">

        <h3>Services</h3>

        <ul>

          <li><a href="services.html#crypto">Crypto Trading</a></li>

          <li><a href="services.html#stocks">Stocks Trading</a></li>

          <li><a href="services.html#forex">Forex Trading</a></li>

          <li><a href="services.html#commodities">Commodities</a></li>

        </ul>

      </div>

      <div class="footer-col">

        <h3>Contact Info</h3>

        <ul class="contact-info">

          <li><i class="fas fa-map-marker-alt"></i>123 Trade St, Financial District</li>

          <li><i class="fas fa-phone"></i>+27 (015) 123-4567</li>

          <li><i class="fas fa-envelope"></i>info@TradeMaster.com</li>

        </ul>

      </div>

    </div>

  </footer>

  <script src="https://unpkg.com/aos@2.3.1/dist/aos.js"></script>

  <script src="script.js"></script>

</body>

</html>

<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8" />

  <meta name="viewport" content="width=device-width, initial-scale=1" />

  <meta name="description" content="About TradeMaster - Leading trading platform providing access to global financial markets." />

  <title>About TradeMaster - Leading Trading Platform</title>

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

  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.15.3/css/all.min.css" />

  <link rel="stylesheet" href="https://unpkg.com/aos@2.3.1/dist/aos.css" />

</head>

<body>

  <header>

    <div class="container">

      <div class="logo" aria-label="TradeMaster Logo and Brand Name">

        <h1>Trade<span>Master</span></h1>

        <img src="abouttrademaster.jpg" alt="TradeMaster Logo" class="logo-image" />

      </div>

      <button class="nav-toggle" aria-label="Toggle navigation menu" aria-expanded="false">&#9776;</button>

      <nav role="navigation" aria-label="Main navigation">

        <ul>

          <li><a href="index.html">Home</a></li>

          <li><a href="about.html" class="active" aria-current="page">About Us</a></li>

          <li><a href="services.html">Services</a></li>

          <li><a href="contact.html">Contact Us</a></li>

        </ul>

      </nav>

      <div class="auth-buttons">

        <button class="btn login">Log in</button>

        <button class="btn signup">Sign up</button>

      </div>

    </div>

  </header>

  <section class="about" data-aos="fade-up">

    <div class="container">

      <h2>About TradeMaster</h2>

      <p>

        TradeMaster is a leading trading platform established in 2015, dedicated to providing traders worldwide with access to global financial markets.<br />

        Our mission is to empower both novice and experienced traders with cutting-edge tools, competitive fees, and exceptional support.

      </p>

      <p>

        We are regulated by top-tier authorities and prioritize security with bank-level encryption and 2FA authentication.<br />

        Our team consists of financial experts and tech innovators working together to deliver a seamless trading experience.

      </p>

      <div class="youtube-embed" aria-label="TradeMaster Introduction Video">

        <iframe

          src="https://www.youtube.com/embed/4UZrsTqkcW4"

          title="TradeMaster Intro Video"

          allowfullscreen

          loading="lazy"

        ></iframe>

      </div>

    </div>

  </section>

  <footer>

    <div class="container">

      <div class="footer-col">

        <h3>TradeMaster</h3>

        <p>Advanced trading platform for all levels of traders.</p>

        <div class="social-links" aria-label="Social Media Links">

          <a href="#" aria-label="Facebook"><i class="fab fa-facebook-f"></i></a>

          <a href="#" aria-label="Twitter"><i class="fab fa-twitter"></i></a>

          <a href="#" aria-label="Instagram"><i class="fab fa-instagram"></i></a>

        </div>

      </div>

      <div class="footer-col">

        <h3>Services</h3>

        <ul>

          <li><a href="services.html#crypto">Crypto Trading</a></li>

          <li><a href="services.html#stocks">Stocks Trading</a></li>

          <li><a href="services.html#forex">Forex Trading</a></li>

          <li><a href="services.html#commodities">Commodities</a></li>

        </ul>

      </div>

      <div class="footer-col">

        <h3>Contact Info</h3>

        <ul class="contact-info">

          <li><i class="fas fa-map-marker-alt"></i>123 Trade St, Financial District</li>

          <li><i class="fas fa-phone"></i>+27 (015) 123-4567</li>

          <li><i class="fas fa-envelope"></i>info@TradeMaster.com</li>

        </ul>

      </div>

    </div>

  </footer>

  <script src="https://unpkg.com/aos@2.3.1/dist/aos.js"></script>

  <script src="script.js"></script>

</body>

</html>

<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8" />

  <meta name="viewport" content="width=device-width, initial-scale=1" />

  <meta name="description" content="TradeMaster Services - Crypto, Stocks, Forex, Commodities trading with professional tools." />

  <title>Services - TradeMaster</title>

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

  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.15.3/css/all.min.css" />

  <link rel="stylesheet" href="https://unpkg.com/aos@2.3.1/dist/aos.css" />

</head>

<body>

  <header>

    <div class="container">

      <div class="logo" aria-label="TradeMaster Logo and Brand Name">

        <h1>Trade<span>Master</span></h1>

      </div>

      <button class="nav-toggle" aria-label="Toggle navigation menu" aria-expanded="false">&#9776;</button>

      <nav role="navigation" aria-label="Main navigation">

        <ul>

          <li><a href="index.html">Home</a></li>

          <li><a href="about.html">About Us</a></li>

          <li><a href="services.html" class="active" aria-current="page">Services</a></li>

          <li><a href="contact.html">Contact Us</a></li>

        </ul>

      </nav>

      <div class="auth-buttons">

        <button class="btn login">Log in</button>

        <button class="btn signup">Sign up</button>

      </div>

    </div>

  </header>

  <section class="services" data-aos="fade-up">

    <div class="container">

      <h2>Our Services</h2>

      <div class="services-grid">

        <article class="service-card" id="crypto" tabindex="0">

          <h3>Crypto Trading</h3>

          <p>

            Trade popular cryptocurrencies with low fees and real-time market data. Our platform provides tools for professional traders and companies, offering marketing tools, verified reviews, and business exposure.

          </p>

        </article>

        <article class="service-card" id="stocks" tabindex="0">

          <h3>Stocks Trading</h3>

          <p>

            Access major global exchanges with competitive spreads. Our interface supports real-time data, charting tools, and educational materials for both novices and experts.

          </p>

        </article>

        <article class="service-card" id="forex" tabindex="0">

          <h3>Forex Trading</h3>

          <p>

            Trade currency pairs with advanced tools, risk management, and 24/7 market access. Secure platform with attractive spreads and professional insights.

          </p>

        </article>

        <article class="service-card" id="commodities" tabindex="0">

          <h3>Commodities</h3>

          <p>

            Diversify portfolios with gold, oil, natural gas, and agricultural commodities. Benefit from real-time data, risk management, and safe transactions.

          </p>

        </article>

      </div>

    </div>

  </section>

  <footer>

    <div class="container">

      <div class="footer-col">

        <h3>TradeMaster</h3>

        <p>Advanced trading platform for all levels of traders.</p>

        <div class="social-links" aria-label="Social Media Links">

          <a href="#" aria-label="Facebook"><i class="fab fa-facebook-f"></i></a>

          <a href="#" aria-label="Twitter"><i class="fab fa-twitter"></i></a>

          <a href="#" aria-label="Instagram"><i class="fab fa-instagram"></i></a>

        </div>

      </div>

      <div class="footer-col">

        <h3>Services</h3>

        <ul>

          <li><a href="#crypto">Crypto Trading</a></li>

          <li><a href="#stocks">Stocks Trading</a></li>

          <li><a href="#forex">Forex Trading</a></li>

          <li><a href="#commodities">Commodities</a></li>

        </ul>

      </div>

      <div class="footer-col">

        <h3>Contact Info</h3>

        <ul class="contact-info">

          <li><i class="fas fa-map-marker-alt"></i>123 Trade St, Financial District</li>

          <li><i class="fas fa-phone"></i>+27 (015) 123-4567</li>

          <li><i class="fas fa-envelope"></i>info@TradeMaster.com</li>

        </ul>

      </div>

    </div>

  </footer>

  <script src="https://unpkg.com/aos@2.3.1/dist/aos.js"></script>

  <script src="script.js"></script>

</body>

</html>

<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8" />

  <meta name="viewport" content="width=device-width, initial-scale=1" />

  <meta name="description" content="Contact TradeMaster - Get in touch with our support team for any inquiries." />

  <title>Contact Us - TradeMaster</title>

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

  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.15.3/css/all.min.css" />

  <link rel="stylesheet" href="https://unpkg.com/aos@2.3.1/dist/aos.css" />

</head>

<body>

  <header>

    <div class="container">

      <div class="logo" aria-label="TradeMaster Logo and Brand Name">

        <h1>Trade<span>Master</span></h1>

        <img src="abouttrademaster.jpg" alt="TradeMaster Logo" class="logo-image" />

      </div>

      <button class="nav-toggle" aria-label="Toggle navigation menu" aria-expanded="false">&#9776;</button>

      <nav role="navigation" aria-label="Main navigation">

        <ul>

          <li><a href="index.html">Home</a></li>

          <li><a href="about.html">About Us</a></li>

          <li><a href="services.html">Services</a></li>

          <li><a href="contact.html" class="active" aria-current="page">Contact Us</a></li>

        </ul>

      </nav>

      <div class="auth-buttons">

        <button class="btn login">Log in</button>

        <button class="btn signup">Sign up</button>

      </div>

    </div>

  </header>

  <section class="contact" data-aos="fade-up">

    <div class="container">

      <h2>Contact Us</h2>

      <div class="contact-grid">

        <div class="contact-info" aria-label="Contact Information">

          <h3>Get in Touch</h3>

          <p><i class="fas fa-map-marker-alt"></i> 123 Trade St, Financial District</p>

          <p><i class="fas fa-phone"></i> +27 (015) 123-4567</p>

          <p><i class="fas fa-envelope"></i> info@TradeMaster.com</p>

          <img src="offers.jpg" alt="TradeMaster Offers" class="contact-image" />

          <iframe

            class="map-embed"

            src="https://www.google.com/maps/embed?pb=!1m18!1m12!1m3!1d3303.123456789012!2d18.4241!3d-33.9249!2m3!1f0!2f0!3f0!3m2!1i1024!2i768!4f13.1!3m3!1m2!1s0x1dcc4e8c2a2c5e3f%3A0x8f9bbae3a7afda1!2sFinancial%20District!5e0!3m2!1sen!2sza!4v1623687000000!5m2!1sen!2sza"

            allowfullscreen

            loading="lazy"

            title="TradeMaster Location on Google Maps"

          ></iframe>

        </div>

        <div class="contact-form" aria-label="Contact Form">

          <h3>Send Us a Message</h3>

          <form novalidate>

            <label for="name">Name\*</label>

            <input type="text" id="name" name="name" required aria-required="true" />

            <label for="email">Email\*</label>

            <input type="email" id="email" name="email" required aria-required="true" />

            <label for="subject">Subject\*</label>

            <input type="text" id="subject" name="subject" required aria-required="true" />

            <label for="message">Message\*</label>

            <textarea id="message" name="message" required aria-required="true"></textarea>

            <button type="submit" class="btn primary">Send</button>

          </form>

        </div>

      </div>

    </div>

  </section>

  <footer>

    <div class="container">

      <div class="footer-col">

        <h3>TradeMaster</h3>

        <p>Advanced trading platform for all levels of traders.</p>

        <div class="social-links" aria-label="Social Media Links">

          <a href="#" aria-label="Facebook"><i class="fab fa-facebook-f"></i></a>

          <a href="#" aria-label="Twitter"><i class="fab fa-twitter"></i></a>

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        <ul>

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          <li><a href="services.html#stocks">Stocks Trading</a></li>

          <li><a href="services.html#forex">Forex Trading</a></li>

          <li><a href="services.html#commodities">Commodities</a></li>

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      </div>

    </div>

  </footer>

  <script src="https://unpkg.com/aos@2.3.1/dist/aos.js"></script>

  <script src="script.js"></script>

</body>

</html>

**PART2 codes**

/\* Reset and Base Styles \*/

\* {

    margin: 0;

    padding: 0;

    box-sizing: border-box;

}

body {

    font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;

    line-height: 1.6;

    background-color: #f4f6f9;

    color: #333;

}

a {

    text-decoration: none;

    color: inherit;

}

.container {

    max-width: 1200px;

    margin: 0 auto;

    padding: 0 20px;

}

/\* Header \*/

header {

    background-color: #1f2937;

    color: #fff;

    padding: 20px 0;

}

header .container {

    display: flex;

    align-items: center;

    justify-content: space-between;

    flex-wrap: wrap;

}

.logo h1 {

    font-size: 28px;

    color: #fff;

}

.logo h1 span {

    color: #e60e20;

}

/\* Navigation \*/

nav ul {

    display: flex;

    gap: 20px;

    list-style: none;

    align-items: center;

    flex-wrap: wrap;

}

nav a {

    color: #fff;

    padding: 8px 12px;

    transition: background 0.3s;

}

nav a:hover,

nav a.active {

    background-color: #223131;

    border-radius: 5px;

}

/\* Auth Buttons \*/

.auth-buttons {

    display: flex;

    gap: 10px;

}

.btn {

    padding: 8px 16px;

    border: none;

    border-radius: 5px;

    cursor: pointer;

    font-weight: bold;

    transition: background 0.3s;

}

.login {

    background-color: transparent;

    color: #fff;

    border: 1px solid #fff;

}

.signup {

    background-color: #ff0000;

    color: #fff;

}

.login:hover {

    background-color: #fff;

    color: #1f2937;

}

.signup:hover {

    background-color: #cc0000;

}

/\* Hero Section \*/

.hero {

    background: #f4f4f4;

    padding: 50px 0;

    text-align: center;

}

.hero h2 {

    font-size: 2.5rem;

    margin-bottom: 20px;

}

.btn.primary {

    background: #ff0000;

    color: white;

}

.btn.secondary {

    background: #333;

    color: white;

}

/\* Section Layouts \*/

section {

    padding: 60px 0;

}

section h2 {

    text-align: center;

    font-size: 32px;

    margin-bottom: 40px;

    color: #1f2937;

}

/\* Grid Layouts \*/

.market-grid, .features-grid, .services-grid, .contact-grid {

    display: grid;

    grid-template-columns: repeat(auto-fit, minmax(280px, 1fr));

    gap: 30px;

}

.market-card, .features-card, .service-card, .testimonials-card {

    background-color: #fff;

    padding: 20px;

    border-radius: 12px;

    box-shadow: 0 4px 12px rgba(0, 0, 0, 0.05);

    transition: transform 0.3s ease;

    text-align: center;

}

.service-card:hover,

.features-card:hover {

    transform: translateY(-5px);

}

.service-card h3 {

    color: #ff0000;

    margin-bottom: 15px;

}

.service-card p {

    font-size: 15px;

    line-height: 1.6;

}

/\* Contact Section \*/

.contact-info p {

    margin: 10px 0;

}

.map-embed,

.youtube-embed {

    width: 100%;

    height: 250px;

    border: none;

    border-radius: 8px;

    margin-top: 15px;

}

.contact-form form {

    display: flex;

    flex-direction: column;

}

.contact-form label {

    margin-top: 10px;

    font-weight: bold;

}

.contact-form input,

.contact-form textarea {

    padding: 10px;

    margin-top: 5px;

    border: 1px solid #ccc;

    border-radius: 5px;

    resize: vertical;

}

/\* Footer \*/

footer {

    background-color: #1f2937;

    color: #fff;

    padding: 40px 0;

    margin-top: 60px;

}

.footer-col {

    margin-bottom: 20px;

}

.footer-col h3 {

    margin-bottom: 15px;

    color: #fa0606;

}

.footer-col p,

.footer-col ul {

    font-size: 14px;

    color: #ddd;

}

.footer-col ul {

    list-style: none;

    padding-left: 0;

}

.footer-col ul li {

    margin-bottom: 10px;

}

.footer-col ul li a {

    color: #ccc;

    transition: color 0.3s;

}

.footer-col ul li a:hover {

    color: #ff0000;

}

.footer-col .contact-info li i {

    margin-right: 10px;

}

.social-links a {

    color: #ccc;

    margin-right: 15px;

    font-size: 18px;

    transition: color 0.3s;

}

.social-links a:hover {

    color: #ff0000;

}

/\* Logo Image \*/

.image-container {

    display: flex;

    justify-content: center;

    align-items: center;

    height: 100vh;

    background-color: white;

}

.logo-image {

    width: 250px;

    height: auto;

    border-radius: 10px;

    box-shadow: 0 4px 8px rgba(0,0,0,0.2);

    transition: transform 0.3s ease;

}

.logo-image:hover {

    transform: scale(1.05);

}

/\* Responsive Design \*/

@media (max-width: 768px) {

    header .container {

        flex-direction: column;

        align-items: flex-start;

    }

    nav ul {

        flex-direction: column;

        gap: 10px;

        margin-top: 10px;

    }

    .auth-buttons {

        margin-top: 10px;

    }

    .services-grid,

    .contact-grid {

        grid-template-columns: 1fr;

    }

    .logo-image {

        width: 200px;

    }

}

@media (max-width: 480px) {

    .logo h1 {

        font-size: 24px;

    }

    section h2 {

        font-size: 28px;

    }

    .service-card h3 {

        font-size: 20px;

    }

    .btn {

        padding: 6px 12px;

        font-size: 14px;

    }

}

/\* Dark Mode Styles \*/

@media (prefers-color-scheme: dark) {

    body {

        background-color: #121212;

        color: #e0e0e0;

    }

    header {

        background-color: #1f2937;

    }

    nav a {

        color: #fff;

    }

    nav a:hover,

    nav a.active {

        background-color: #374151;

    }

    .hero {

        background: #1f2937;

        color: #fff;

    }

    .market-card, .features-card, .service-card, .testimonials-card {

        background-color: #2d3748;

        color: #e2e8f0;

    }

    footer {

        background-color: #1f2937;

        color: #cbd5e0;

    }

    .footer-col h3 {

        color: #ff0000;

    }

}

/\* Additional Styles \*/

.btn.primary {

    background-color: #ff0000;

    color: white;

}

.btn.secondary {

    background-color: #333;

    color: white;

}

/\* Animations \*/

@keyframes fadeIn {

    from {

        opacity: 0;

    }

    to {

        opacity: 1;

    }

}

.hero {

    animation: fadeIn 1s ease-in-out;

}

.features-card,

.service-card {

    animation: fadeIn 0.5s ease-in-out;

}

.features-card:hover,

.service-card:hover {

    animation: fadeIn 0.3s ease-in-out;

}

/\* Utility Classes \*/

.text-center {

    text-align: center;

}

.text-left {

    text-align: left;

}

.text-right {

    text-align: right;

}

.text-uppercase {

    text-transform: uppercase;

}

.text-bold {

    font-weight: bold;

}

.text-muted {

    color: #6b7280;

}

.text-primary {

    color: #ff0000;

}

.text-secondary {

    color: #333;

}

/\* Spacing Utilities \*/

.mt-20 {

    margin-top: 20px;

}

.mb-20 {

    margin-bottom: 20px;

}

.p-20 {

    padding: 20px;

}

/\* Flex Utilities \*/

.flex {

    display: flex;

}

.flex-column {

    flex-direction: column;

}

.flex-row {

    flex-direction: row;

}

.flex-wrap {

    flex-wrap: wrap;

}

.flex-center {

    justify-content: center;

    align-items: center;

}

**PART3 Codes**

// script.js

document.addEventListener('DOMContentLoaded', function () {

    // ===== AOS Initialization =====

    if (typeof AOS !== 'undefined') {

        AOS.init({ duration: 1000, once: true });

    }

    // ===== Login & Signup Alerts =====

    const loginBtn = document.querySelector('.btn.login');

    const signupBtn = document.querySelector('.btn.signup');

    loginBtn?.addEventListener('click', () => {

        alert('Login feature coming soon. Stay tuned!');

    });

    signupBtn?.addEventListener('click', () => {

        alert('Sign up feature coming soon. Get ready to join TradeMaster!');

    });

    // ===== Smooth Scroll for Anchor Links =====

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

        anchor.addEventListener('click', function (e) {

            e.preventDefault();

            const target = document.querySelector(this.getAttribute('href'));

            target?.scrollIntoView({ behavior: 'smooth' });

        });

    });

    // ===== Sticky Header on Scroll =====

    const header = document.querySelector('header');

    window.addEventListener('scroll', () => {

        if (window.scrollY > 50) {

            header?.classList.add('sticky');

        } else {

            header?.classList.remove('sticky');

        }

    });

    // ===== Highlight Current Nav Link =====

    const navLinks = document.querySelectorAll('nav ul li a');

    navLinks.forEach(link => {

        if (link.href === window.location.href) {

            link.classList.add('active');

        }

    });

    // ===== Contact Form Validation =====

    const contactForm = document.querySelector('.contact-form form');

    if (contactForm) {

        contactForm.addEventListener('submit', function (e) {

            e.preventDefault();

            const name = document.getElementById('name').value.trim();

            const email = document.getElementById('email').value.trim();

            const subject = document.getElementById('subject').value.trim();

            const message = document.getElementById('message').value.trim();

            if (!name || !email || !subject || !message) {

                alert('Please fill in all fields.');

                return;

            }

            const emailPattern = /^[^ ]+@[^ ]+\.[a-z]{2,3}$/;

            if (!emailPattern.test(email)) {

                alert('Please enter a valid email address.');

                return;

            }

            alert('Your message has been sent successfully!');

            contactForm.reset();

        });

    }

    // ===== Mobile Navigation Toggle =====

    const navToggle = document.querySelector('.nav-toggle');

    const navMenu = document.querySelector('nav ul');

    navToggle?.addEventListener('click', () => {

        const expanded = navToggle.getAttribute('aria-expanded') === 'true';

        navToggle.setAttribute('aria-expanded', !expanded);

        navMenu?.classList.toggle('active');

    });

    // ===== Close Nav Menu on Link Click =====

    navMenu?.addEventListener('click', () => {

        navMenu.classList.remove('active');

    });

    // ===== Close Nav Menu on Outside Click =====

    document.addEventListener('click', (e) => {

        if (!navMenu.contains(e.target) && !navToggle.contains(e.target)) {

            navMenu.classList.remove('active');

        }

    });

    // ===== ARIA & Keyboard Support =====

    navToggle?.setAttribute('aria-label', 'Toggle navigation menu');

    navMenu?.setAttribute('role', 'navigation');

    const ariaLive = document.createElement('div');

    ariaLive.classList.add('sr-only');

    ariaLive.setAttribute('role', 'alert');

    ariaLive.setAttribute('aria-live', 'assertive');

    document.body.appendChild(ariaLive);

    navLinks.forEach(link => {

        link.setAttribute('role', 'menuitem');

        link.setAttribute('aria-label', link.textContent);

        link.addEventListener('click', () => {

            navLinks.forEach(l => l.classList.remove('active'));

            link.classList.add('active');

            ariaLive.textContent = `Navigated to ${link.textContent}`;

        });

        link.addEventListener('keydown', (e) => {

            if (e.key === 'Enter' || e.key === ' ') {

                e.preventDefault();

                link.click();

            }

        });

    });

});

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