ENGR 5510G- FOUNDATION OF SOFTWARE ENGINEERING

GROUP 10, ASSIGNMENT 1

GROUP MEMBERS:

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ASSIGNMENT:

Use a freelancing website like upwork or freelancer. Find a task required for a set amount of money (500 to 1000 USD). Pick a customer that has a history of completed jobs. Pick a job that has sufficient details that you do not need to contact the poster about the job.

Write between 2-4 pages document that includes: Functional requirements analysis. Non-functional requirements analysis (if provided). Use case diagrams.

ANSWER:

Below is the project found on the upwork platform at a fixed price of $600 USD:

Build a Full Professional Website for The LandPilot Using Elementor (WordPress)

Job Description:
We are looking for a skilled WordPress and Elementor expert to design and develop a complete, professional, and user-friendly website for The LandPilot. The website should reflect our brand identity and establish our platform as the ultimate one-stop solution for land deal facilitation and acceleration.
Key Objectives:
Create a visually appealing, fully responsive website.Optimize the website for user experience (UX) and search engine visibility (SEO).
Implement engaging content and seamless navigation to drive conversions and user engagement.
Scope of Work:
1. Website Structure: The site will include the following pages: Home Page: Hero section with headlines, CTAs, and an overview of the platform.Key features and services summary. Testimonials and social proof (highlight Robin Seib's expertise). About Us: Our mission and vision. Robin Seib's background and expertise.
Journey and milestones of The LandPilot. Services: Free Features (community access, weekly calls). Subscription Tiers ($99/month, $249/month). Premium Services (JV/assignment programs, marketing, funding).
Community Page: Benefits of joining the community (Facebook group, shared resources, etc.). User testimonials and success stories.
Resources/Blog: Categorized articles (Beginner Tips, Advanced Strategies, Case Studies).Ability for admin to easily add and manage new posts via WordPress.
Contact Us: Contact form (for inquiries and support). Address, phone, and email details. Embedded social media links. Privacy Policy & Terms of Service: Include pages for legal compliance (content will be provided).
2. Design and Development: Modern, clean, and professional design tailored to the land investment niche. Mobile-first, fully responsive design for all screen sizes. Optimized for fast loading speeds and SEO.
3. Content Integration: Incorporate provided content into the design. Assist with writing/editing where needed to ensure the tone aligns with our branding.
4. Functionality: Elementor Pro-based design (license will be provided if necessary). Newsletter signup integration.
Secure payment gateway setup for subscriptions.Blog and resource management functionality.
5. Technical Requirements: WordPress CMS using Elementor for easy future updates. Basic on-page SEO setup (meta tags, alt text for images, etc.). Security plugins and backups configured.
Qualifications:Proven experience building full websites with WordPress and Elementor. Strong design and UX skills. Knowledge of on-page SEO best practices.Ability to deliver a fully functional, polished website within [insert timeline, e.g., 3-4 weeks]. What We'll Provide:
Branding guidelines (logo, color palette, etc.). Content for each page (drafts for refinement).Access to Elementor Pro if required.
Deliverables: Fully designed and developed website ready for launch. Training or guide for basic website

management.
Ongoing support for 30 days post-launch (optional, if included in your proposal).

1. Introduction

The purpose of this document is to analyse the requirements of the project "Build a Full Professional Website for LandPilot". The goal is to design and develop a complete, professional, and user-friendly website that reflects the brand identity. This analysis includes functional and non-functional requirements, as well as a UML diagram to illustrate the interactivity of users with the system.

2. Functional Requirements Analysis

Below are the core functionalities of the website ,the expected behaviour of the system and what it should do:

1. Website Navigation: Users should be able to navigate through the website using a clear and consistent menu structure and interact with other modules.

2. Home Page: Users should be able to view a hero section with headlines, CTA(call-to-action)s, and an overview of the platform on the Home Page.

3. About Us: Users should be able to view the company's mission, vision, background, members and expertise on the About Us page.

4. Services: Users should be able to view free features, subscription tiers, and premium services on the Services section.

5. Community Page: Users should be able to view benefits, user testimonials, and success stories on the Community Page.

6. Resources: Admin Users should be able to view and add categorized articles and easily search for specific topics on the Resources page.

7. Content Management: Admin users should be able to easily add, edit, and manage new posts via WordPress.

8. Contact Us: Users should be able to submit inquiries and support requests using a contact form on the Contact Us page.

9. Newsletter Signup: Users should be able to sign up for a newsletter using a clear and visible signup form.

10. Secure Payment Gateway: Users should be able to securely subscribe to services using a trusted payment gateway.

3. Non-Functional Requirements Analysis

Below are some non-functional requirements of the website depicting how it should perform and its focus on attributes related to quality:

1. Performance: The website should load within 5 seconds and be optimized for search engines (SEO).

2. Security: The website should have a secure payment gateway integration, security plugins, and backups configured.

3. Usability: The website should have a user-friendly interface, clear navigation, and be optimized for mobile devices, tablets, and desktops.

4. Scalability: The website should be able to handle increased traffic and user engagement without compromising performance.

5. Compatibility: The website should be compatible with major browsers (Chrome, Firefox, Safari, Edge) and various devices and screen sizes.

6. Accessibility: The website should comply with web accessibility standards and have a clear and consistent navigation and content structure.

7.Compliance and Legal Measures: The website should comply with data protection regulations,legal standards and also display privacy policies and terms of use.

4. UML (Unified Modeling Language) Diagram:

Below is a basic UML diagram of the LandPilot website and how a User and Admin would interact with the system: