

Project Requirement Document

DOCUMENT NUMBER

PROJECT TITLE: "Commission Website for OmahTI Services"

CLIENT: "Divisi IT OmahTI"





Table of Contents

Team Structure	3
Project Overview	4
1. Executive Summary	4
2. Design and Implementation Constraints	4
3. Assumptions and Dependencies	4
Project Requirements	5
4. Interfaces	5
5. Functional Requirements	5
6. Use-Case Requirements	5
7. Non-Functional Requirements	5
Project Execution	6
8. Project Scope	6
9. Project Deliverables	6
10. Timeframe and Milestones	6
11. Challenges and Open Questions	6



Team Structure

- Project Manager : Ravie Arjun Nadhief
- Client : Divisi IT OmahTI
- Team
 1. Mohammad Azka Khairur Rahman
 2. Melinda Annastasia Budijono
 3. Diayu Nur Aini
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Project Overview

1. Executive Summary

The IT Division of OmahTI faces several fundamental challenges in its custom product development services, particularly in client communication. Many clients do not clearly understand what services are offered, struggle to articulate their specific needs, and lack visibility into the estimated pricing of the services provided. This leads to confusion, miscommunication, and uncertainty throughout the ordering and project execution process. Through this project, OmahTI aims to build a system or information page that addresses these needs by delivering service transparency, a basic pricing structure, and easy-to-understand guidelines for clients.

2. Design and Implementation Constraints

1. Extremely Tight Development Timeline
2. No Direct Client Interviews Possible
3. No Clear Pricing Structure for Services
4. Diverse and Undefined User Characteristics
5. Limited Team and Technical Resources

3. Assumptions and Dependencies

1. Incomplete or vague information provided by the clients due to limited technical knowledge.
2. Requests are highly tailored and rarely backed by formal specifications.
3. Pas project's data can help create a baseline service list and pricing estimates.
4. Clients need concise and accessible service information.
5. Internal validation
6. Resource overlap with ongoing project risking delay or bottlenecks.

Project Requirements

4. Interfaces

4.1. User Interfaces

Bagian ini berfokus pada interaksi antara pengguna (klien) dengan hasil akhir dari proyek. Tujuannya adalah memastikan bahwa tampilan dan fungsionalitas antarmuka mudah dipahami, selaras dengan kebutuhan pengguna, dan mencerminkan identitas visual yang konsisten.

4.2. Software Interfaces

1. Frontend



The frontend is built using Bootstrap for responsive layout and styling. User interactions are handled directly in the client side using standard HTML, CSS, and JavaScript with minimal reliance on front-end frameworks.

2. Templating Engine

The project uses Embedded JavaScript (EJS) as its server-side templating engine. EJS allows dynamic content to be rendered on HTML pages based on server-side logic and data.

3. Backend

The backend is developed using Express.js, a minimal and flexible Node.js web framework. It handles routing, middleware, and serves the EJS-rendered views.

5. Functional Requirements

- **Landing page** that includes: header, hero section, services, features, testimonials, and footer.
- **Responsive navigation menu** allowing users to move between Home, Services, Features, and Contact sections.
- **Hero section** with a promotional title, short description, and a “Get Started” button.
- **Services section** displaying cards with icons, service titles, and brief descriptions.
- **Features section** listing key benefits, each with an icon and short explanation.
- **Testimonials section** presenting user feedback, including quotes, names, and brief info, shown in a slider or list.
- **Responsive layout** that works seamlessly across mobile phones, tablets, and desktops.

5.1. User Managements

- FR-1: *System should be able to authenticate user*
- FR-2: *System should be able to log in the user using with valid credentials*

6. Use-Case Requirements

In addition to the core functionality, our website may also include optional or advanced features depending on specific client needs. Some potential use-case-specific requirements include:



- **Custom Quote Generation:** Clients can request a fully tailored quote for unique service combinations or special requests not listed in the standard options.
- **Booking Scheduler Integration:** Some clients may request an integrated calendar feature for scheduling meetings or consultations.
- **Language Support:** Depending on the client base, multi-language support could be implemented for accessibility.

7. Non-Functional Requirements

- **Kinerja (Performance)**
Halaman landing harus dimuat dalam waktu kurang dari 3 detik pada koneksi internet standar. Semua elemen visual (gambar, ikon, teks) harus muncul tanpa lag atau keterlambatan rendering.
- **Keandalan (Reliability)**
Sistem harus dapat diakses 24/7 tanpa downtime yang tidak direncanakan. Navigasi antar bagian halaman harus selalu berfungsi dengan benar.
- **Keamanan (Security)**
Tidak ada celah keamanan pada sisi frontend seperti injeksi skrip (XSS). Data yang dikirim melalui formulir (jika ada di versi penuh) harus dienkripsi dan ditangani dengan aman.
- **Usabilitas (Kemudahan Penggunaan)**
Antarmuka harus intuitif, mudah digunakan, dan tidak memerlukan pelatihan untuk pengguna pertama kali. Navigasi harus jelas dan mudah ditemukan.
- **Portabilitas dan Kompatibilitas (Portability & Compatibility)**
Halaman harus dapat diakses dan ditampilkan dengan baik di semua browser modern (Chrome, Firefox, Safari, Edge). Harus mendukung berbagai ukuran layar (desktop, tablet, dan smartphone).
- **Maintainabilitas (Kemudahan Pemeliharaan)**
Struktur kode harus modular dan mudah dipelihara. Kode HTML dan CSS harus mengikuti standar pengkodean yang baik untuk memudahkan pengembangan di masa depan.



Project Execution

8. Project Scope

The scope of this project includes the design and development of a responsive, service-based pricing website for OmahTI. The website is aimed at showcasing various IT services along with clear, transparent pricing and a contact/inquiry feature. The development work focuses on front-end design, user interface/UX, basic interactive elements (such as pricing display and forms), and mobile responsiveness.

This scope is aligned with the responsibilities outlined in the MoU between OmahTI and the requesting party, which defines the extent of development work, deliverables, and client expectations.

9. Project Deliverables

As agreed upon in the Project Scope, the following are the main deliverables OmahTI is responsible for:

- A complete and functioning **service-based website** displaying available services and pricing.
- **Landing page** that introduces the team or organization and the purpose of the site.
- **Services/Pricing page** with detailed descriptions and corresponding prices.
- **Contact/Inquiry form** allowing users to request more information or custom services.
- **Responsive design** for both desktop and mobile users.
- All **source code and design files**, ready for deployment.

10. Timeframe and Milestones

The development process follows this estimated timeline:

Milestone	Estimated Completion
Project Planning & Design	Week 1



Front-End Development	Week 2
Page Content Integration	Week 3
Mobile Responsiveness	Week 3
Final Testing and Bug Fixes	Week 4
Presentation & Submission	End of Week 4


All milestones are subject to slight adjustments based on feedback, but the goal is to complete the project within **4 weeks**.


11. Challenges and Open Questions

While developing the pricing website, several challenges and uncertainties may arise that require further clarification or future consideration:

- **Dynamic Pricing Logic:**
Whether service prices will remain static or need to be managed dynamically through a backend system in the future is still uncertain. Currently, pricing is hardcoded.
- **Client Communication Flow:**
It's unclear if inquiries through the contact form should trigger automated responses or if manual follow-up is sufficient. This affects potential backend or email service integration.
- **Scalability Considerations:**
If the number of services grows significantly, adjustments to layout or service categorization might be needed.
- **Security and Data Handling:**
Since the site currently collects basic user inquiry data, it is important to consider future requirements for secure form handling and data storage if a backend is introduced.



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