



FIGURE 1: COMPANY LOGO

WEDE 5020 POE PROPOSAL

ST10435860



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DMT2

ACADEMIC HONESTY DECLARATION

Please complete the Academic Honesty Declaration below.

Please note that your assessment will not be marked, and you will receive 0% if you have not completed ALL aspects of this declaration.

Declaration

	SIGN
I have read the assessment rules provided in this declaration.	✓
This assessment is my own work.	✓
I have not copied any other student's work in this assessment.	✓
I have not uploaded the assessment question to any website or App offering assessment assistance.	✓
I have not downloaded my assessment response from a website.	✓
I have not used any AI tool without reviewing, re-writing, and re-working this information, and referencing any AI tools in my work.	✓
I have not shared this assessment with any other student.	✓
I have not presented the work of published sources as my own work.	✓
I have correctly cited all my sources of information.	✓
My referencing is technically correct, consistent, and congruent.	✓
I have acted in an academically honest way in this assessment.	✓

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Muianga Maqor (Pty) Ltd

Is a tech company that provides cloud services such as cloud migration, cloud security, managed cloud services, and hybrid cloud integration solutions.

History

Muianga Maqor was found in 2019 with the aim of providing modern cloud solutions to help businesses adjust into the fast-changing digital era. The company has focused on delivering services such as cloud migration, infrastructure management, and cybersecurity solutions. Even though the company is still new in the tech industry, Muianga Maqor has built a reputation as a trusted tech partner for both small businesses and big organizations in South Africa and abroad (Smith, 2020).

Mission

To deliver exceptional cloud solutions that enable businesses to innovate, scale, and stay competitive in a fast-changing tech world (Gartner, 2021).

Vision

The vision of Muianga Maqor is to become a leading global provider of cloud-based solutions, enabling businesses of different sizes to innovate, scale, and operate efficiently. The company aspiration is to introduce technological transformation across different industries by offering affordable, reliable, and sustainable cloud technologies that make a positive impact on businesses and society.

Target Audience

- Small businesses that are looking for affordable cloud services,
- Large enterprises that need advanced cloud infrastructure,
- Government or NGOs in need of safe and reliable cloud services (IETF, 2020).

Website Goals and Objectives

- Promote the organization as a Brand – Build an online presence and showcase Muianga Maqor as a trusted leader in cloud solutions (Device42, 2025; TechGrid, 2025).

- Provide Information – Offer clear details about the company’s services such as cloud migration, infrastructure management, and cybersecurity (Device42, 2025).
- Improve Customer Engagement – Allow clients to contact the company through inquiry forms, chat support, and social media integration easily and attract new clients (TechGrid, 2025).
- Support Existing Clients – Provide a client portal for accessing cloud resources, updates, and technical support (SmartVault, 2025; Dock, 2025).

PROPOSED WEBSITE FEATURE AND FUNCTIONALITY

Home Page - Contains company overview and highlights.

About Us - Page Provides history, vision, and team details.

Services Page - Contains our services which is cloud migration, cloud security, managed services, hybrid cloud.

Contact Page - Contains inquiry form, email, Social Media platforms phone, and address

DESIGN AND USER EXPERIENCE

The website is responsive, and the layout will ensure that visitors can easily navigate through web pages (Nielsen, 2012).

It will use a modern clean sans-serif font such as Roboto or Open Sans for headings, body texts and paragraphs to improve readability and give a professional look. The website will use a colour palette that is cloud-inspired with blue, white and a shade of black to represent trust, reliability and technology (Lupton, 2014).

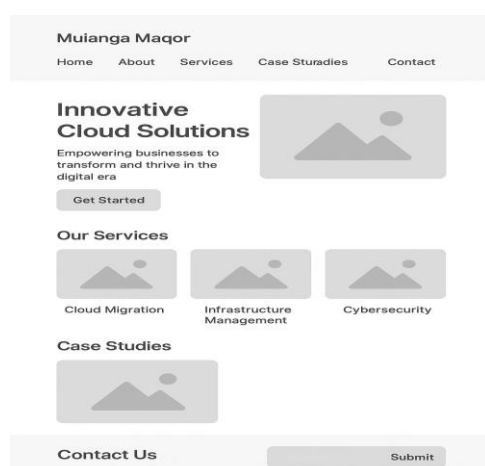


FIGURE 2: LOW FIDELITY WIREFRAME

TECHNICAL REQUIREMENTS

The website will be developed using modern technologies to ensure high performance and security. For the front-end we will use HTML, CSS, and JavaScript to create a responsive and interactive user webpages (MDN Web Docs, 2023).

The back-end will use PHP, which is mostly used for handling server-side logic and database communication (Flanagan, 2020).

A MySQL database system will be implemented to support structured data management depending on the needs of the business (Chodorow, 2013).

For hosting, the website will use AWS- Amazon Web Services as they provide reliable uptime, security, and international scalability (Amazon Web Services, 2022).

New Features Added

Responsive Toggle Navigation Menu
Added a hamburger menu for mobile screens.
Menu slides down when toggled, allowing easy navigation on smaller devices.
Fully functional on all pages (Home, About, Services, Contact, Blogs).

Professional Contact Form

Redesigned form with modern card layout.
Additional optional phone field.
Smooth focus and hover animations.
Fully responsive layout.

Embedded Google Map

Displays location directly on the contact page.
Responsive iframe integrated under the contact form

Responsive Design

Website is fully responsive across all devices.
All pages adjust layout automatically based on screen size.
Includes responsive form, menu, map, and chatbot elements.

Technologies Used

HTML5 & CSS3
JavaScript (Vanilla JS)
Font Awesome Icons
Google Maps Embed
Responsive design using CSS Flexbox and Media Queries

Future Improvements

Introduce an AI chatbot called SubXeroM.
Add email backend for form submissions.
Implement animations for sections.
Add dark/light mode toggle.

TIMELINE AND MILESTONES

Week 1–2: Planning and Designing phase

The phase focuses on gathering all the requirements and identifying the target audience. A demo website is created to give a clue of the layout and user interface. The design must align with the organization's (Pressman, 2015).

Week 3–5: Development and Content Integration phase

In this phase developers build the front end and back end of the website using the above-mentioned technologies. Content such as company information, services and images are added (Flanagan, 2020).

Week 6: Testing and Optimization phase

The functionality, performance and security of the website is tested. Problems such as broken links, slow loading, and security vulnerabilities are noted and fixed. Optimization is performed to ensure fast loading speed and an uninterrupted user experience in different devices (Sommerville, 2016).

Week 7: Launching and Training phase

The complete website is deployed to a live server and accessible to customers and the public. Administrators and other team members are trained to manage and update the web page content when needed (Laudon & Laudon, 2020).

BUDGET

Service	Description	Estimated Cost (R)
Domain Registration p/a	registration of company website	R 250
Web Hosting p/a	hosting with backups and security	R 1,500
Website Design and Development	User interface design, coding, integration	R 18,000
Content Creation	Text, branding, images, and SEO optimization	R 5,000
Testing and Quality Assurance	Functionality, performance, and security testing	R 3,000
Training for Staff	Training sessions on how to update/manage site	R 2,500
6 Months Maintenance	updates, bug fixing, and support	R 4,000
TOTAL		R34,250

The total budget for the Muianga Maqor website is R 34,250. Costs are allocated to make sure that all phases are catered for.

Planning and design for User Interface and domain setup, development and content for coding, testing for performance and security, launch and training for hosting and staff use. This budget distribution shows standard website project practices and ensures a functional, sustainable website (Pressman & Maxim, 2014)

REFERENCES

Pressman, R.S., 2015. *Software Engineering: A Practitioner's Approach*. 8th ed. New York: McGraw-Hill.

Flanagan, D., 2020. *JavaScript: The Definitive Guide*. 7th ed. Sebastopol: O'Reilly Media.

Sommerville, I., 2016. *Software Engineering*. 10th ed. Harlow: Pearson.

Laudon, K.C. and Laudon, J.P., 2020. *Management Information Systems: Managing the Digital Firm*. 16th ed. Harlow: Pearson.

Pressman, R.S. & Maxim, B.R., 2014. *Software Engineering: A Practitioner's Approach*. 8th ed. New York: McGraw-Hill.

Lupton, E., 2014. *Thinking with Type: A Critical Guide for Designers, Writers, Editors, & Students*. 2nd ed. New York: Princeton Architectural Press.

Nielsen, J., 2012. *Usability 101: Introduction to Usability*. Nielsen Norman Group. Available at: <https://www.nngroup.com/articles/usability-101/> [Accessed 11 August 2025].

Device42, 2025. *Cloud Migration Best Practices*. [online] Available at: <https://www.device42.com/cloud-migration-best-practices/> [Accessed 15 August 2025].

TechGrid, 2025. *Client Portals for MSPs: Enhance Customer Engagement*. [online] Available at: <https://techgrid.com/blog/client-portals-for-msps> [Accessed 22 August 2025].

SmartVault, 2025. *Must-Have Client Portal Features*. [online] Available at: <https://www.smartvault.com/resources/must-have-client-portal-features/> [Accessed 23 August 2025].

Dock, 2025. *Client Portal Software Overview*. [online] Available at: <https://www.dock.us/library/client-portal-software> [Accessed 23 August 2025].