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Isamilo International School Mwanza

Web-based Information System Case Study

About IISM:

Isamilo International School is a prominent educational institution in Mwanza, accommodating over 400 students. It is renowned for its commitment to quality education and follows the British curriculum provided by Cambridge International Examinations. The school's emphasis on global perspectives and academic excellence makes it a standout choice for students in the region.

The Problem:

Isamilo International School encountered challenges with their parent-teacher consultations due to a manual appointment booking system, resulting in a cumbersome process. The traditional method often led to mix-ups in appointment times, causing delays for both parents and teachers in conducting meaningful discussions about students' progress. Recognizing the need for a more efficient and streamlined approach, the school sought a solution to enhance the scheduling process and ensure a smoother experience for all stakeholders involved in these crucial consultations.

The solution:

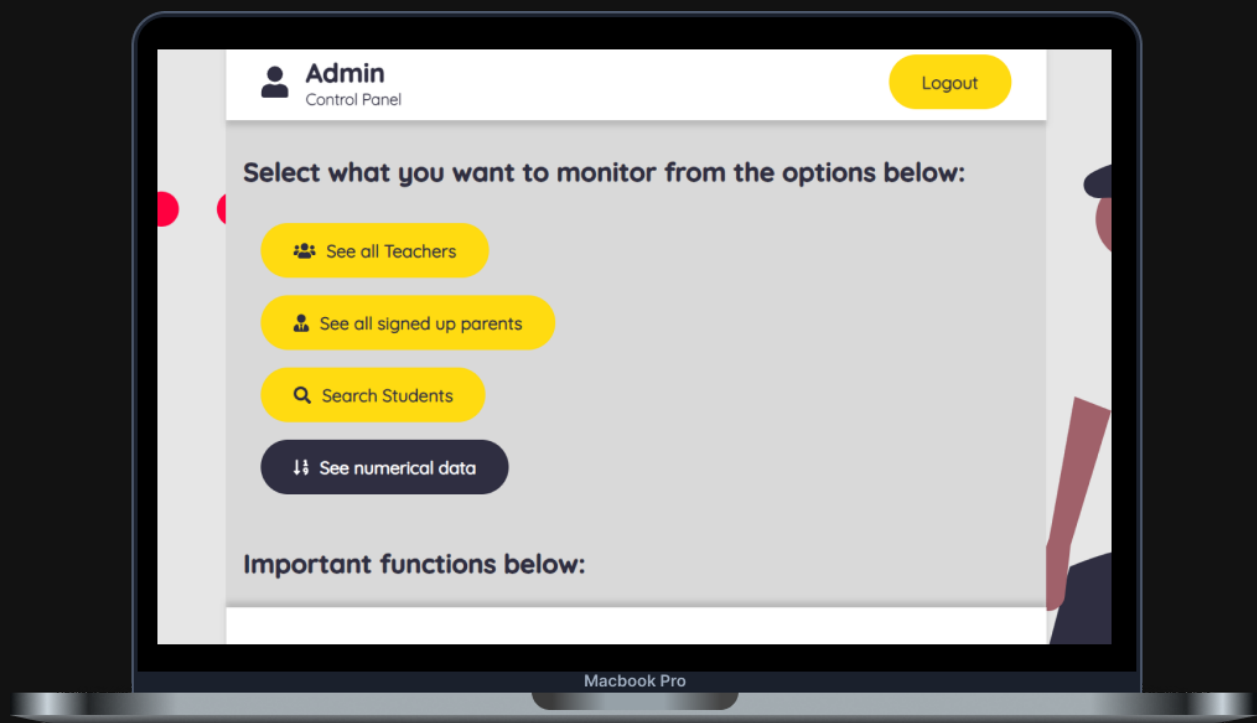
As the Technology Prefect at Isamilo International School, I tackled the challenges of manual parent-teacher consultations by developing a user-friendly, web-based booking system. This innovative solution allowed parents to conveniently schedule appointments from their phones or computers, ensuring flexibility and accessibility. Teachers could effortlessly review and confirm or reject appointments online, streamlining the entire process. The system also generated a well-organized printout for use during the parent-teacher consultation event, eliminating the hassles of manual coordination. This not only saved valuable time but allowed



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teachers to focus on meaningful discussions about students' progress, enhancing the overall efficiency and effectiveness of the consultation process.

Below is how the one section of the web application looks like on a standard MacBook display:



Project Tooling and Features:

Web Design & Wireframing

- Adobe Color - Color Palette Development - <https://color.adobe.com>
- Figma - Wireframe Design - <https://figma.com>
- Google Fonts - Font Research - <https://fonts.google.com>

Web Development

- Front-End - HTML, SCSS(SASS), JavaScript & jQuery
- Back-End - PHP & MySQL for Database
- Responsiveness (displays conveniently on all devices)



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Web Hosting

- Hostinger Premium Hosting (100% Reliable)
- Domain Name Server Configuration
- SSL Certificate Installation (for encryption and site security)

Search Engine Optimization

- User-friendly URL structure
- Correct use of Heading Tags, Title Tags and Meta Description Tags