VISION



Developing a Hospital Management System

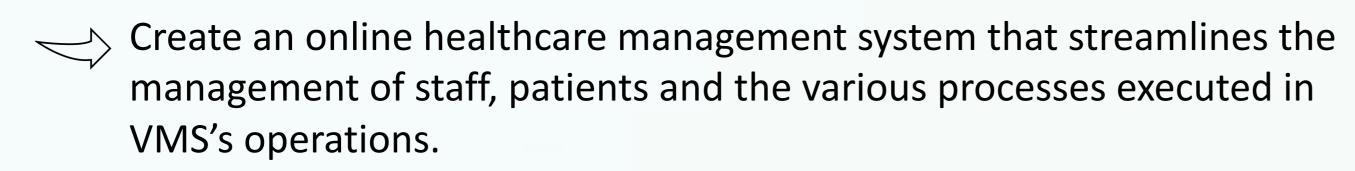
1. BACKGROUND

Vision Medical Suite (VMS) is a Non-Profit Company that provides free medical and dental care to patients from their affiliated beneficiaries, being orphanages, frail care centres and homes for the mentally and physically challenged.

2. PROBLEM

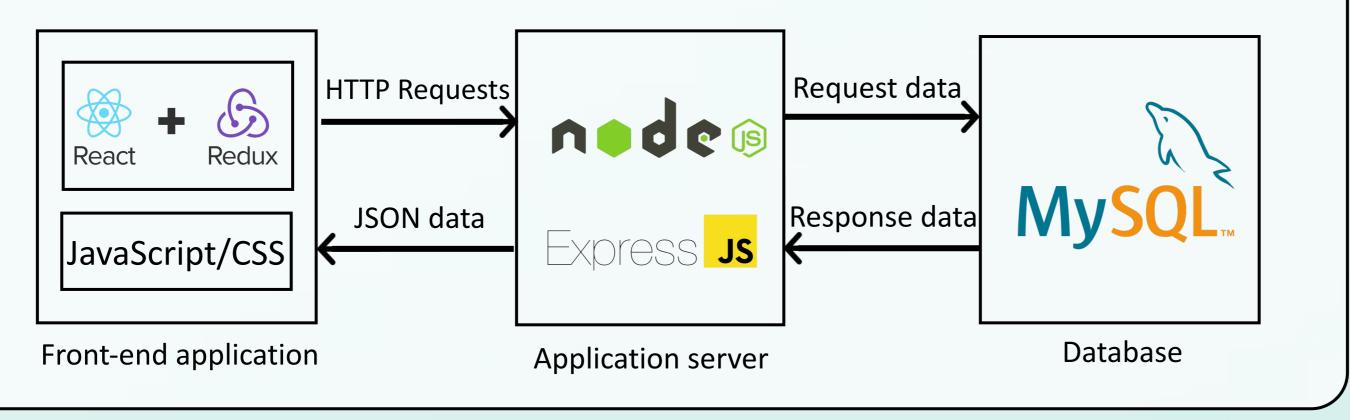
VMS currently manage all their operations manually through a paper-based information capture system. This method is cumbersome, outdated and results in increased form capture time, decreased quality of records, and limitations with respect to sharing and accessing patient data.

3. OBJECTIVE



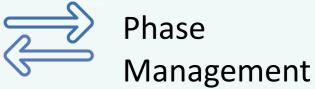
The aim of the project is to develop a fully functional, full stack application that will be used by VMS to increase their efficiency, better manage their operations and ultimately treat more patients.

5. ARCHITECTURE

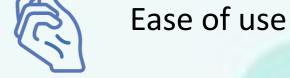


4. REQUIREMENTS

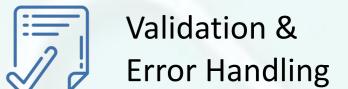


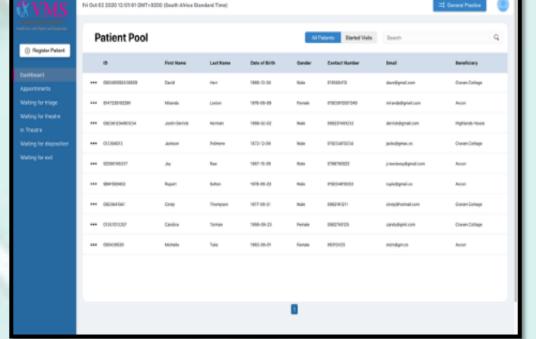


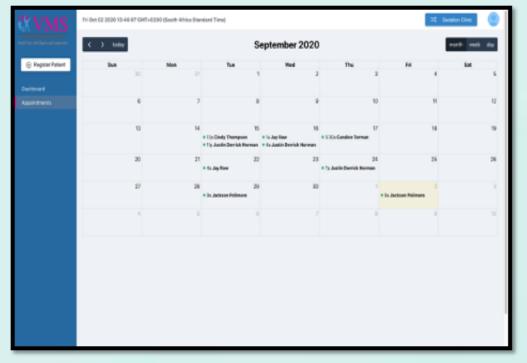


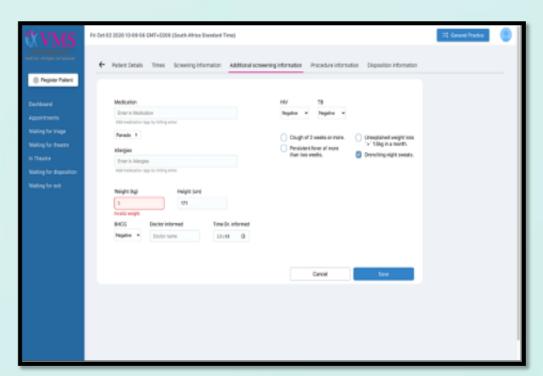


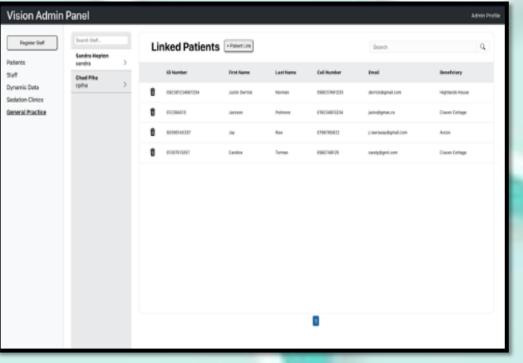












Dashboard

Appointments calendar

Information capturing

Admin Panel

6. RESULTS

We performed two rounds of usability tests at different stages of the development process, as well as a total of 100 functional tests on the frontend and backend. The final round of usability tests found only positive feedback, proving that the system is sufficiently usable. Additionally, all unit tests conducted were successful, proving that the entire system is functionally reliable.

A final demo was performed for the project proposer who was very happy with the end-product and confirmed that it met all the requirements. VMS plan to deploy the system into production.



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