XTGLOBAL™

MAJOR MEDICAL SERVICE PROVIDER TRANSFORMS PATIENT MANAGEMENT AND OPERATIONAL EFFICIENCY WITH XTGLOBAL'S CUTTING-EDGE LOW-CODE SOLUTIONS

About Client

Our client offers innovative solutions for healthcare providers renowned for their exceptional medical services across various specialties. Dedicated to advancing patient care through technology, they have integrated digital solutions to boost operational efficiency and enhance patient engagement. Their focus is on providing cost-effective alternatives to the high-priced Patient Management systems available in the market.

Client Challenge

The organization sought a robust application to streamline its hospital operations, specifically in managing patient information, bed allocations, and admission records. With a large volume of data handled by employees across various roles, they required a solution that could present this information efficiently while being intuitive to use. Traditional Patient Management Systems (PMS) are often expensive for smaller clinics to afford, which made it essential to develop a cost-effective solution. The challenge was to create a system that could manage these critical tasks in real-time, ensuring accuracy and improving workflow efficiency.

Additionally, the client wanted the application to feature a Dynamic Layout that would allow users to customize their dashboards based on their specific needs. This layout had to be adaptable, enabling users to select and arrange the datasets they wanted to display, with the added capability of saving these preferences upon login and logout.

Tech Stack

mx mendix

- ◉ URL Redirector
- ◉ Timer Widget

XTGlobal Business Solution

To address the client's need, XTGlobal developed an end-to-end technology-driven Patient Management System (PMS) designed to efficiently manage all patient information and hospital data within a dynamic and customizable interface.

Comprehensive Application Development:

- Designed an application to manage patient information, bed allocations, and admission records efficiently.

- Focused on creating an intuitive and customizable user interface to meet diverse operational needs.

Dynamic Layout Feature:

- Implemented a responsive Dynamic Layout that allowed users to personalize their dashboards.

- Enabled users to select and arrange datasets according to their roles, with settings saved for future logins.

- Utilized modern frontend frameworks and backend microservices to ensure scalability and flexibility.

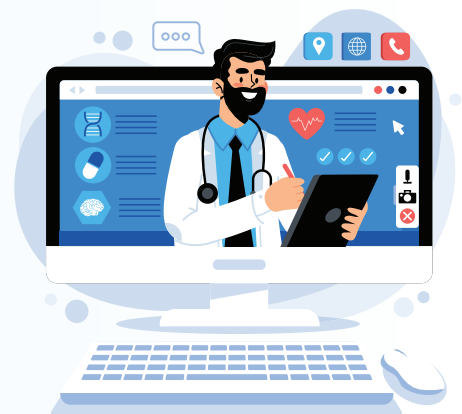### Task-Specific Workflow Optimization:

- Addressed the need to open the "Patient Edit" page in a new tab, allowing users to edit and save patient data efficiently.

- Leveraged the URLRedirector tool to open the Patient Edit page in a new browser tab through a specific URL.

- Integrated a microflow timer widget to automatically close the newly opened tab after saving, returning users to the original tab seamlessly.

Enhanced User Experience:

- Delivered a solution that improved workflow efficiency and user productivity.

- Ensured the application was capable of handling dynamic and high-volume healthcare operations while providing a tailored and user-centric experience.

Business Benefits

- Delivered a powerful PMS at a lower cost compared to expensive market alternatives.
- Streamlined patient and operational management without the financial burden of high-cost systems.
- Built on low code allows for easy expansion to add more clinics as the client's network grows and supports seamless integration of new facilities with minimal effort.
- Provided flexibility to tailor the system to unique clinic environments and adapt it to specific workflows and user needs, enhancing usability across different settings.