



Healthcare Management Application using Mendix

Client Overview

The client is a pioneer in precision healthcare who uses digital technology to facilitate interactions between physicians and patients across hospitals, research centers, universities, and advanced community sites. Their services are based on analysis of data that provides physicians with useful information for conducting personalized treatments.

Business Requirements

- Develop a robust application with the best use of technology platforms in view of highly specialized business requirements.
- Perform acceptance and exploratory tests to identify bugs quickly.
- Convert business requirements into active functionality as early as possible.

Indium Solution

- Indium proposed Mendix for end-to-end platform development, leveraging its model-driven development capability and in-built platform features to handle scalability of the application.
- Built high-level Workflow model of the application with requirements and map Workflow Requirements for development.
- Created role-based functionalities (user accounts and privileges) followed by individual features (end-to-end functionalities)
- Conducted Performance tests of the functional components at microservice level.
- Inclusive QA: For each release, Indium employed Functional Test Engineers to conduct quality checks on the features and perform manual testing of the functionalities.

Business Impact

- Robust Application Development: The developed application achieved the following business end goals: patient enrollment experience, increased adoption of the application with enterprise clients and improved reach of research & technology in precision medicine.
- Integrated QA: Before formal Testing Cycles, the exploratory and sanity checks to functionality reduced the number of defects on each build.
- Incorporated agile project management methodology for faster development and flexibility in addressing product enhancements without affecting release cycles.



Tools



{ REST:API }

Agile tools