**Part 3**

**System Requirements Review**

Saint Leo University

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**System Requirements Review**

**Introduction**

The Hospital Management System (HMS) is a software solution that helps healthcare organizations manage their daily operations more efficiently. The system is being developed using Java Swing and hosted in Azure Cloud. The SRR process involves a review and validation of the system requirements with the client, identification of any gaps or discrepancies, and adjustments to be made before proceeding to the next stage of development. This report outlines the importance of the SRR process in the development of a cloud-based application system for healthcare. This document presents a review of the system requirements, including the functional and non-functional requirements that the system must meet.

**Functional Requirements**

1. ***Patient Management***

* The system should allow healthcare professionals to manage patient information, including demographics, medical history, and insurance information.
* The system should allow healthcare professionals to schedule patient appointments, view patient history, and generate patient reports.

1. ***Billing and Payment Management***

* The system should allow healthcare professionals to manage billing and payment information, including invoices, payments, and insurance claims.
* The system should allow healthcare professionals to generate billing reports and view payment history.

1. ***Electronic Medical Record Management***

* The system should allow healthcare professionals to manage electronic medical records (EMRs), including patient diagnosis, treatment plans, and medical history.
* The system should allow healthcare professionals to generate reports on EMR data.

1. ***Reporting and Analytics***

* The system should allow administrators to generate reports on patient data, billing and payment data, and EMR data.
* The system should allow administrators to view analytics and statistics on system usage and performance.

***e) Security and Compliance***

* The system should include user authentication and authorization features to ensure only authorized users can access patient data.

**Non-Functional Requirements**

1. ***Performance***

* The system should be able to handle a high volume of traffic and data without compromising performance.
* The system should be scalable to accommodate increasing amounts of data and traffic as the hospital grows.

1. ***User Experience***

* The system should be user-friendly and intuitive, with an easy-to-use interface and clear navigation.
* The system should be accessible on multiple devices, including desktops, laptops, and mobile devices.

1. ***Reliability and Availability***

* The system should be reliable, with minimal downtime and disruptions.
* The system should be available 24/7 to healthcare professionals who need access to patient data.

1. ***Maintenance and Support***

* The system should be easy to maintain, with minimal need for updates and maintenance.
* The system should include ongoing technical support and bug fixes to ensure smooth operation.

**Conclusion**

In conclusion, the Hospital Management System using Java Swings and Azure Cloud must meet a range of functional and non-functional requirements to ensure efficient and effective management of patient data, appointments, billing and payments, electronic medical records, reporting and analytics, security, and compliance. By following best practices and leveraging the latest technologies, we are confident in our ability to deliver a system that meets all of these requirements and provides healthcare organizations with a powerful and efficient tool for managing their daily operations.