SEMRS:
Secure Electronic Medical Records System

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Problem Statement

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- Designed Specifically for MCHC

- Loss/Damage to Patient's files

- Delay or hinder treatment progress

- Confidentiality of patient files

- Data integrity

Motivation

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- MCHC needs a better medical records management system
- This system can improve the overall treatment process
- Want to provide a system that is:
    - -Easy to use
    - -Secure

History of Past EMR Systems

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	ZEPRS	OpenEMR	THIRRA
Year Introduced	2001	2001	2007
Pros			
Cons			

Electronic Medical Records Management Systems Overview

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- HIPAA

- Enforce patient confidentiality
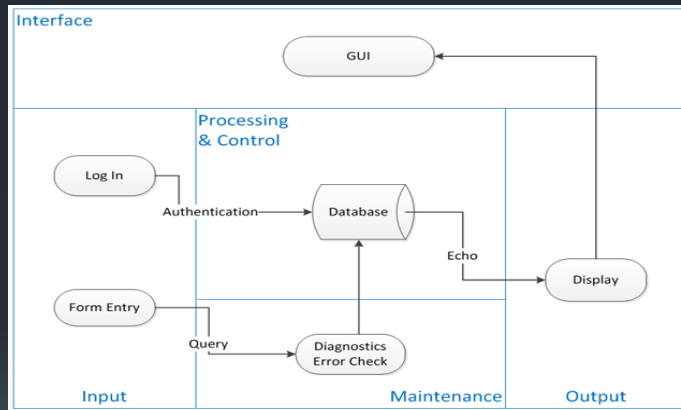
- Ensure data integrity

Solution

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- Much simpler than OpenEMR, removed

  many unneeded features.

- Onsite Access through intranet (LAN).
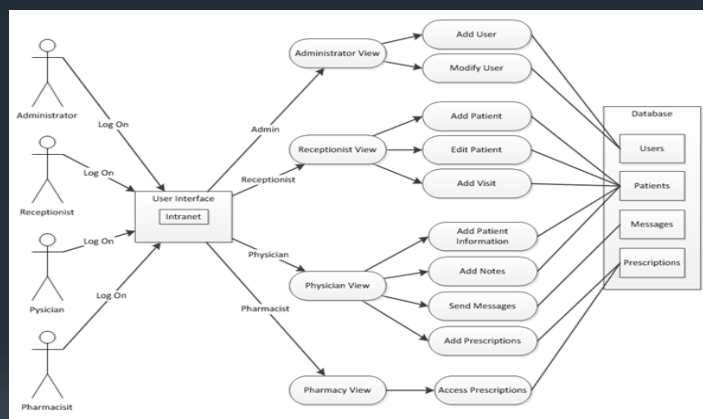
- SSL Encryption

System Context Diagram   7

This system context diagram depicts the basic input, output, and processing of the SEMRS system.

Use Case Diagram   8

This use case diagram depicts the different user account types and what they have access to within the SEMRS system.

Future Work

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- Ability to upload Patient files

- Set up a server to host the application

- Be able to add/update prescriptions