Database Design and Data Management

Healthcare Inventory Management System

Team Members

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Problem Statement

Considering the ongoing global pandemic situation, the need for digitizing Healthcare Inventory Management is a necessity. The currently manual data maintenance causes following difficulties:

- Fails to track availability of surgical instruments.
- Fails to provide timely updated availability of all types of drugs.
- Susceptible to manual error or manipulation.
- Shortage or overstocking of medical supplies.
- Inventory auditing is a tedious time-consuming task.
- Operationally and financially costly to manage records.
- Financial Transaction scrutiny is tedious and time-consuming.

Objective

The aim of this project is to design, develop and implement a digitized Healthcare Inventory Management with ensuing features:

- Faster, digitized, and semi-automated stock counting, ordering, and rotation of drugs and surgical instruments.
- Along with inventory data, the database will also include records on surgeons, doctors, and nurses.
- Customer Data will allow for feedback that improves customer relationships as well as absolute care of patients.
- Inventory updated after every transaction for drugs and instruments.
- Real-time Inventory management allows customers to view available drugs and place orders accordingly
- Automatically restrict access to Scheduled Drugs to prevent illegal activities.
- The Healthcare inventory management system also involves the clinical sphere of healthcare service performance.