



# MediStore Manager

Database Management System for a Medical Supply Store



## Contact Information

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## **Abstract**

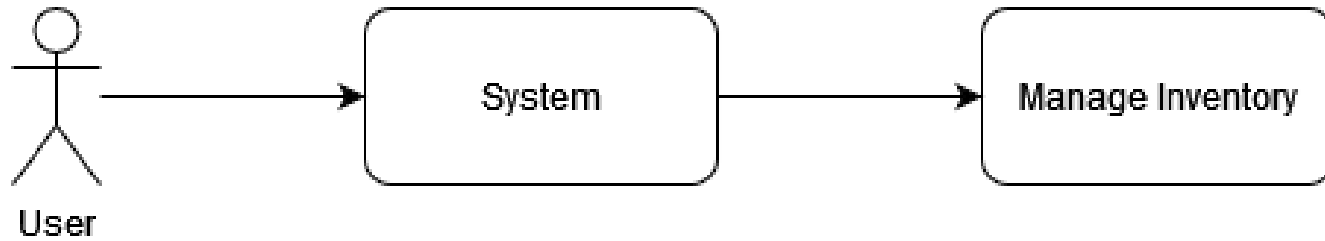
MediStore Manager is an application to be used by medical supply stores to help manage their inventory. It is designed to be able to be used without any knowledge of the database structure and to provide a smooth workflow for day-to-day operations. Equipment, patients, and suppliers will be stored within the custom database along with all relevant information. The user can view and update this information, along with adding new equipment, patients, or suppliers. They may also print work or order tickets through this application as needed. The application will also allow the user to track any item, patient, or supplier's prior history with the store.



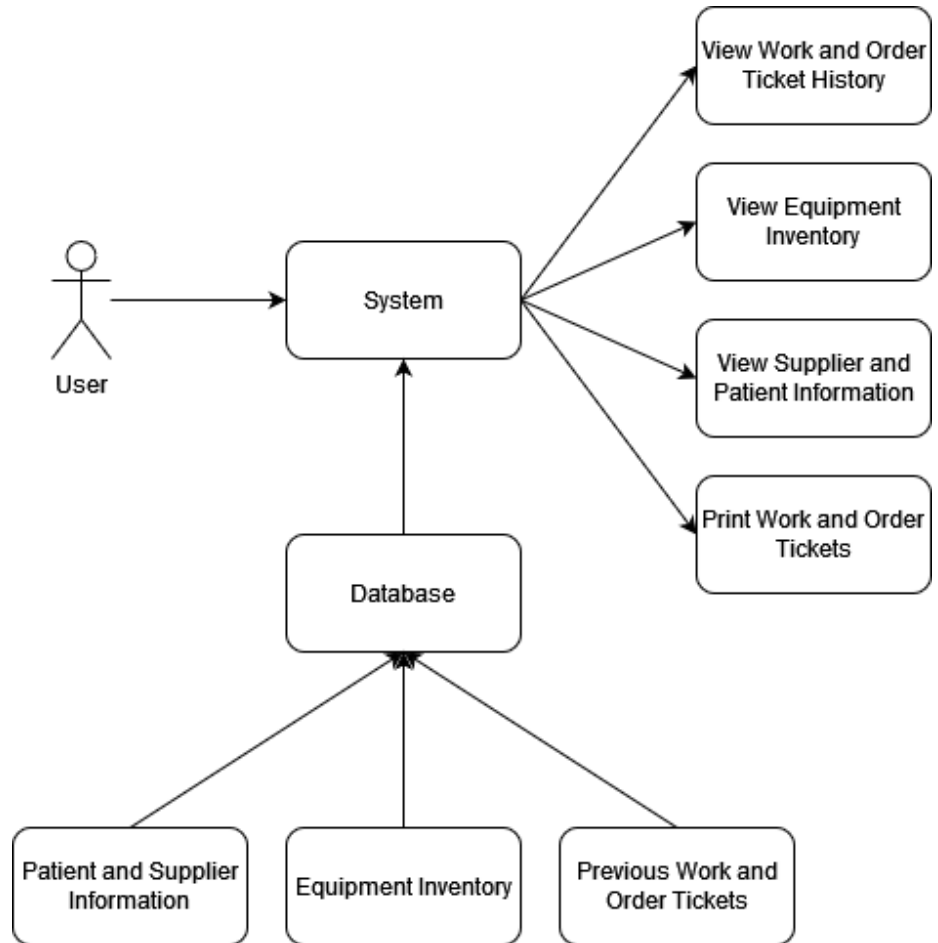
## User Stories

- As an employee at a Medical Supply Store, I want a system in place to ensure inventory is properly managed.
- As a technician, I want to print work tickets to provide a receipt to patients of equipment provided. I want to be able to use the system to view all previous work tickets.
- As an employee, I want to print order tickets to keep track of equipment purchased from our suppliers but not yet received. I want to be able to use the system to view all previous orders.
- As an employee, I want to search for patient information to expedite the process of providing equipment.

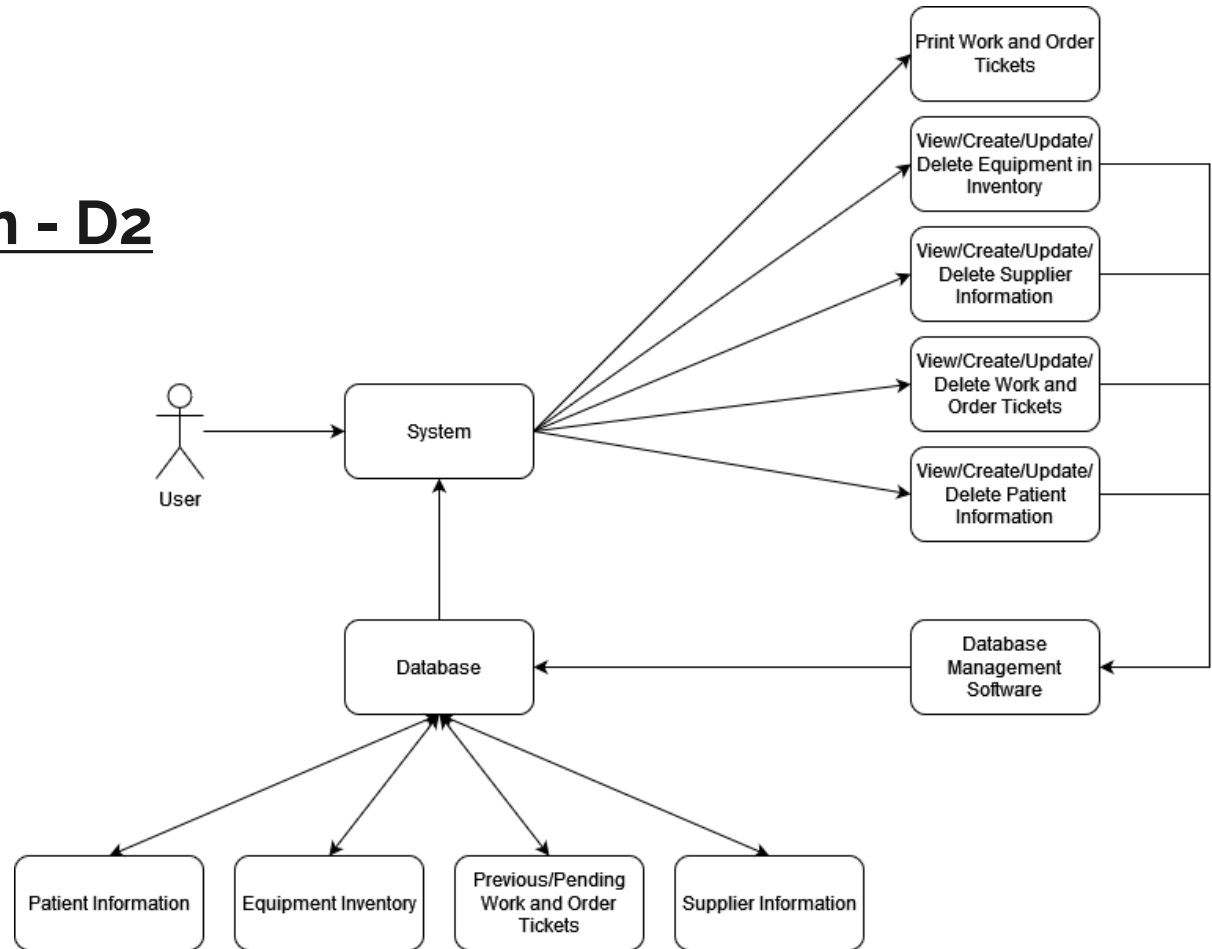
## Design Diagram - Do



## Design Diagram - D1



## Design Diagram - D2





## Constraints

- Relying entirely on freeware
  - Community version of MySQL Workbench
- Open source
  - Must follow the guidelines of the GNU General Public License
  - Required to use Oracle's open source MySQL software
- High Security
  - Will be handling customer data including medical records
  - Must implement multi-layered security protocols





## Current Progress

- Types of data to be stored in each database table has been specified
- Interconnected table structure for database has been designed
- Components required for user interface have been specified
- Mockup of the user interface has been created



## **End of Term Deliverables**

- Database
  - Local server for housing the database
  - SQL scripts for generating the table structure
  - SQL scripts for populating the database
- User Interface
  - Application platform
  - Pages and button layout
  - No interaction with database



## Division of Work

### Jackson

- Specify required components for User Interface
- Develop Application Platform
- Design and develop User Interface
- Test and refine all aspects of Application

### Kevin

- Design interconnected table structure for Database
- Create local MySQL server and develop tables through MySQL workbench
- Develop the connection between Application and Database
- Develop unit tests for connection code



## Expected Demo

- Fully functioning application connected to MySQL database populated with relevant data
- Interact with the UI to showcase all available operations such as
  - Adding/Updating a Patient/Supplier/Equipment
  - Viewing additional information for a Patient/Supplier/Equipment
  - Printing Work/Order tickets



**FIN**