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Project Step 2

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## **Dominion Provisioning**

### **Summary**

Dominion Provisioning is an inventory and maintenance management software. The purpose of this software is for companies to create and manage their own databases in respect to inventory management, order tracking, and maintenance status. This program is designed for use by businesses to allow for effective and efficient upkeep of inventory and maintenance requests. This program is a spiritual successor to GCSS (Global Combat Support System), the logistic software that the Army and Marine Corps use to track their maintenance and supply requests.

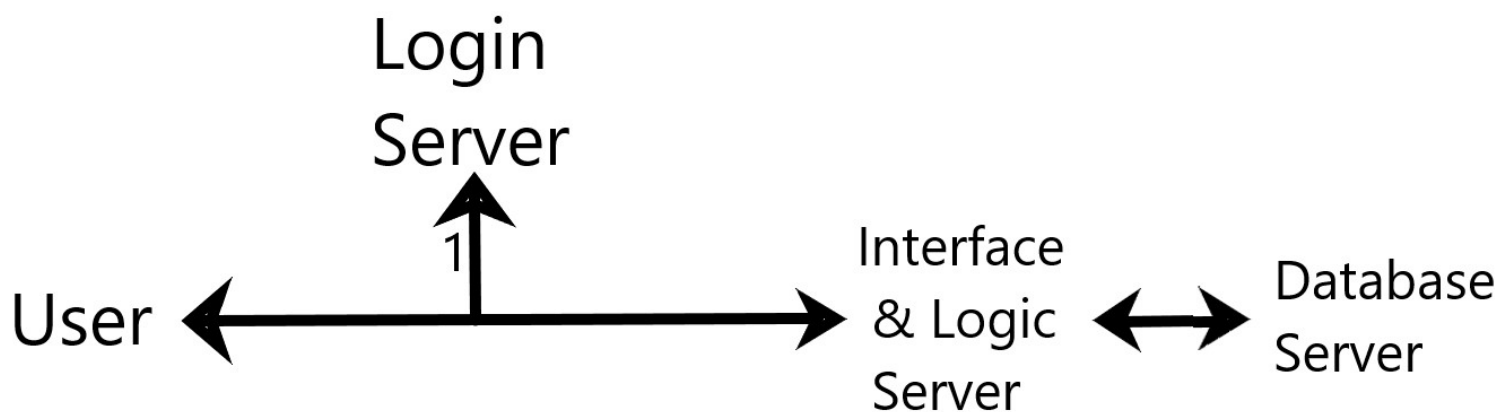
### **Intended Audience**

This program is designed for businesses which require the use of maintenance request tracking such as auto mechanics, gunsmiths, aerospace manufacturers, construction, heavy equipment rentals, etc.

## Technical Overview

This software will be programmed in C#, using SQL as the database management interface. The application will either be hosted on the web in the web browser, or a desktop application connected through the internet to the database servers. This project will primarily be programmed using Visual Studio as well as Microsoft SQL Server Management Studio. The database and interfacing will be hosted on Microsoft Azure service.

## Hardware Component Flowchart



## Features

- Authentication, robust user management for security
  - o Clean and Intuitive Login Screen
- Authorization, to allow roles and restrictions for employees
  - o Ease of Access for less computer savvy individuals
- MDI, so users can arrange their interface to whatever suits them.
- Cross-Platform with Windows and Linux
- Allows groups to create their own databases from scratch using the GUI
- Allows you to assign your own Stock Numbers
- Real Time Database Updating
- Custom Notifications
- Upload of Item Images