**CMIS-4900-400**

**Fall 2025**

**Team 2 Charter**

**Project Name:**

Production Information Database

**Abstract:**

The database will store row and column tabular data for part numbers that are received as work orders for the shop to produce. Data stored in record format will include part number, customer id & name, date received & due, quantity, operator id & name, job id & name, and the process description. The data will be migrated to a MySQL database, where users will interact with the database through a front-end interface created with Microsoft Forms, and data will be transported and interacted with utilizing a back end programmed in C#. The project will help current managers at Kiczan Manufacturing to identify if work orders are currently in process, inspect job volume through date ranges, operator, and department, and identify if work orders are on schedule or behind. Critical success factors will be met when user story requirements are completed, allowing users to easily navigate through the user interface to query, input, delete, and edit data stored within the database as needed.

**Anticipated Completion:**

The currently anticipated completion date of a fully planned, implemented, and deployed information system solution is early May of 2026.

**Approved Budgets:**

Because the information system will be developed using free resources and existing hardware can be used to host required software for the technology stack, the budget for the project is zero dollars and has no cost.

**Hardware Requirements:**

The front-end will be a Windows Forms Application (.NET Framework), deployed to four Windows terminals representing the departments, with a backend in C#, and a database in MySQL to be installed on a Windows Server OS already onsite.

**Success Criteria**:

Upon Project completion, 100% tracked work orders across all four departments to show full implementation of the project. A search query time of less than ten seconds would be ideal for the project to be considered 100% done before the stretch goals of dashboards to perform analytics on their business operations.

**Project Team:**

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**Stake Holder Signatures:**

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