**Project Name:**

**Title: "Inventory control management system"**

**First Person:**

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**Initial proposal**

We are going to develop an inventory control management system for our group project. We plan to build an effective inventory control management system web application for this project. It will help us better manage our inventory levels and streamline ordering and fulfillment processes. We can build a system that will lead to a faster inventory tracking system and purchase order management. The system of sales order management and customer relationship management also can be improved with this inventory control management system in an effective way. This system will provide detailed reporting and analytics capabilities, including inventory levels, order history, and sales trends. We utilize proper data sources for our project. The alternative ways to store the data also will be explored in this project. The timeline of this project is one month with a budget of $100,000. We believe that implementing an inventory control management system will help us reduce inventory costs, improve order fulfillment, and provide better customer service.

**Data sources**

I take data from Kaggle . <https://www.kaggle.com/datasets/thedevastator/uncovering-bee-colony-dynamics-with-usda-statist?select=Bee+Colony+Census+2017+by+State.csv>

from this link I take data.

Data sources for an inventory control management system are the various types of data that the system will use to manage inventory levels, ordering, and fulfillment processes.

This dataset provides access to the rich and expansive bee colony contribution information captured by the United States Department of Agriculture National Agricultural Statistics Service Quick Stats Dataset.

In the Bee colony Census Data set the column name are year, Priod, satate,State ANSI, Ag District, Ag District Code,Country,Country ANSI,Value

In the Bee Colony Census 2017 by State file the column name program Week Ending, Geo Level,Zip Code,Region.

**Alternative ways to store the data**

There are several alternative ways to store data for an inventory control management system. One option is to use cloud-based storage, which allows for easy access to the system from anywhere, and provides scalability and flexibility. Another option is to use a distributed database system, which can offer better performance and reliability. This involves storing data across multiple physical locations, reducing the risk of data loss or downtime. We may also use a hybrid approach, combining both cloud-based and distributed database storage to take advantage of the benefits of both approaches. Careful consideration of these alternatives can result in an efficient and effective inventory control management system.

**Activity Log – at least six entries covering the first two weeks**

**March 29th**

* Conducted a meeting with the team
* Discuss the feature and functionality of the system and set goals
* Assigned roles and responsibilities to team members

**April 1st**

* Completed data mapping
* Review the data sources
* Developed a plan for data migration and integration

**April 4th**

* Completed the installation and configuration of the system.
* Tested the system to ensure that all the features were working correctly.
* Identified and resolved any issues related to the testing process.

**April 7th**

* Conducted a training session for the team on how to use the system.
* Provided hands-on training on the various features of the system.
* Answered questions and provided support to team members during the training session.

**April 9th**

* Began the data migration process from the old system to the new system.
* Monitored the data migration process to ensure that all data was transferred correctly.
* Identified and resolved any issues that arose during the data migration process.

**April 10th**

* Conducted a review of the new system with the team.
* Discussed any issues that arose during the implementation process and identified opportunities for improvement.
* Set goals for ongoing maintenance and support of the system.