Supply chain management system

Visual Programming IT2143

Group Project Progress Report

Supply chain management system

Objective:

Our project aims to implement a comprehensive Supply Chain Management System to optimize the end-to-end processes involved in the procurement, production, and distribution of goods. Specifically, we aim to improve efficiency, reduce costs, and enhance overall supply chain visibility.

Prototype:

Our current prototype includes the following features and functionalities:

Order Management Module: Successfully implemented to track and manage customer orders from initiation to fulfillment.

Inventory Tracking System: Developed a system to monitor and control inventory levels, reducing instances of overstock and stockouts.

Supplier Relationship Management: Established a framework for better communication and collaboration with suppliers, improving the procurement process.

Progress:

Successfully completed the design phase, outlining the system architecture and key functionalities.

Integrated the order management module with existing systems, allowing seamless order processing.

Challenges Faced:

Encountered challenges in data migration during the implementation of the inventory tracking system.

Addressed these challenges by refining the migration strategy and implementing data validation checks.

Modifications and Adjustments:

Modified the user interface based on user feedback to enhance user experience.

Adjusted the procurement workflow to accommodate changes in supplier agreements.

Outstanding Issues:

Identified a need for additional testing in the order fulfillment process to ensure accuracy.

Plan to conduct thorough testing and implement any necessary adjustments in the upcoming weeks.

Next Steps:

Conducting rigorous testing of the entire system to identify and address any remaining issues.

Initiating user training sessions for the new system implementation.

Timeline:

Design Phase (Completed): [01/12/2023 – 05/12/2023]

Order Management Integration (Completed): [06/12/2023 – 08/12/2023]

Data Migration Challenges (Resolved): [09/12/2023- 10/12/2023]

User Interface Modification (Ongoing): [09/12/2023- Present]

Upcoming Testing Phase: [10/12/2023 – 20/12/2023]

User Training Initiation: [20/12/2023 – 27/12/2023]

Attachments:

Prototype – refer documentation1

Conclusion:

In conclusion, the project is progressing well, with key milestones achieved and challenges addressed. We remain focused on ensuring a successful implementation and look forward to delivering a fully functional Supply Chain Management System.

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Group Details

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