Project Design Phase-II
Data Flow Diagram & User Stories

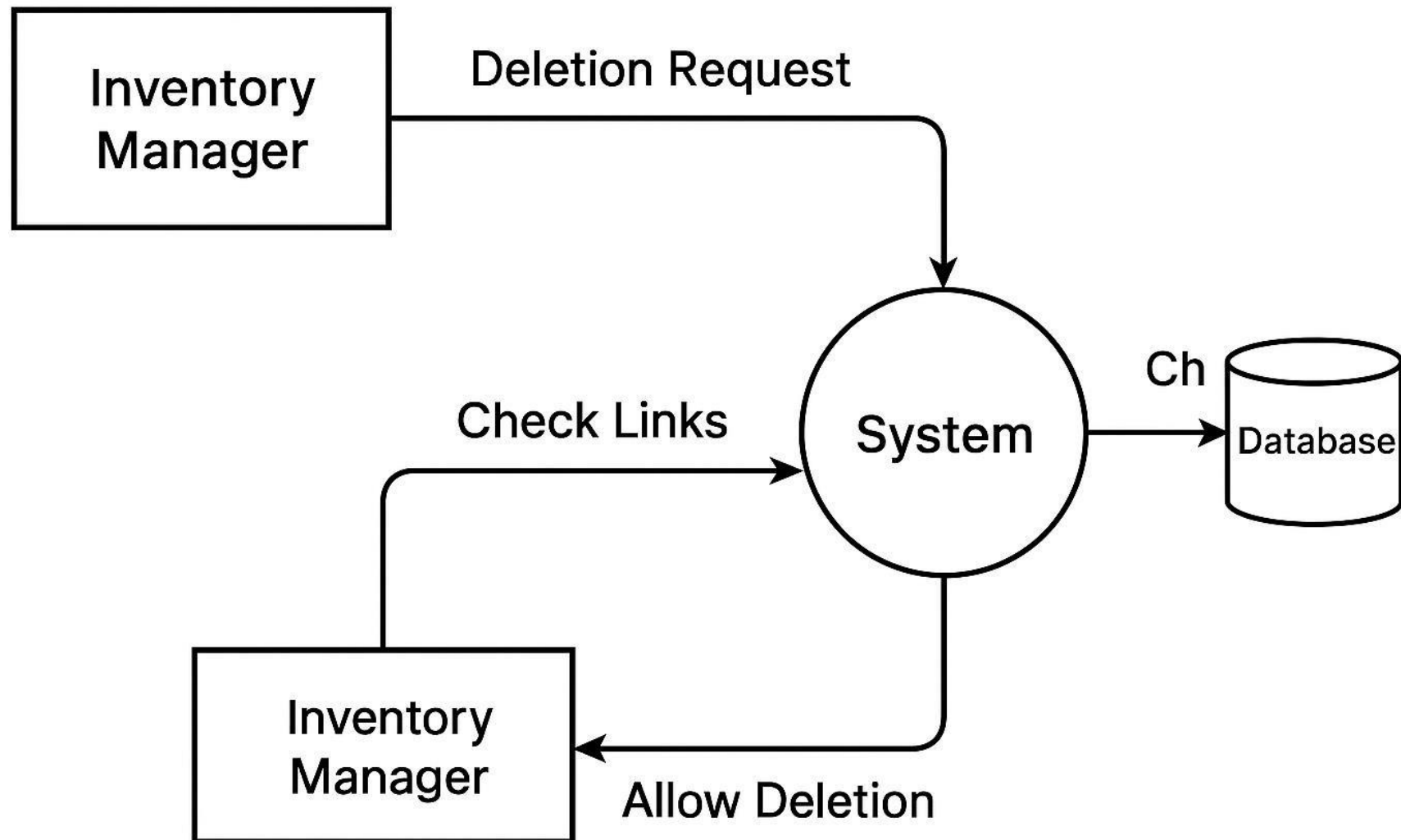| Date	06 NOVEMBER 2025
Team ID	NM2025TMID05285
Project Name	Medical Inventory Management
Maximum Marks	4 Marks

Data Flow Diagrams (DFD):

A Data Flow Diagram (DFD) is a graphical tool used to represent the flow of information within a system. It clearly illustrates how data moves between processes, data stores, and external entities. A well-designed DFD helps in understanding system requirements and data interactions effectively.

In the project "Prevent Deletion of Linked Medical Records in Medical Inventory Management", the DFD represents how deletion requests for medical items or supplier records are processed within the system.
It shows the interaction between the inventory manager, the system, and the database that stores purchase orders and stock transactions.

 Example:

User Stories:

User stories define what different users need from the system in simple, goal-focused language. In this project, they help ensure the system blocks user deletion only when necessary, protecting incident data.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
Inventory Administrator	Inventory Management	**USN-1**	As an admin, I want to delete a medical item or supplier record from the system.	The system should allow deletion only if the item or supplier is not linked to any purchase order or stock record.	**High**	**Sprint-1**
System (Auto-check)	Validation before Deletion	**USN-2**	As a system, I must verify whether a medical item or supplier is linked to any active purchase orders or stock before processing a delete request.	Deletion proceeds only if no active link exists; otherwise, the system must block the deletion.	**High**	**Sprint-1**
Inventory Manager	Alert Notification	**USN-3**	As an inventory manager, I want to receive an alert if a medical item or supplier linked to transactions is requested for deletion.	The system should display a warning or alert message indicating the linked records before deletion.		