Date	NOVEMBER 06, 2025
Team ID	NM2025TMID05285
Project Name	Meedical Inventory Management
Maximum Marks	2 Marks

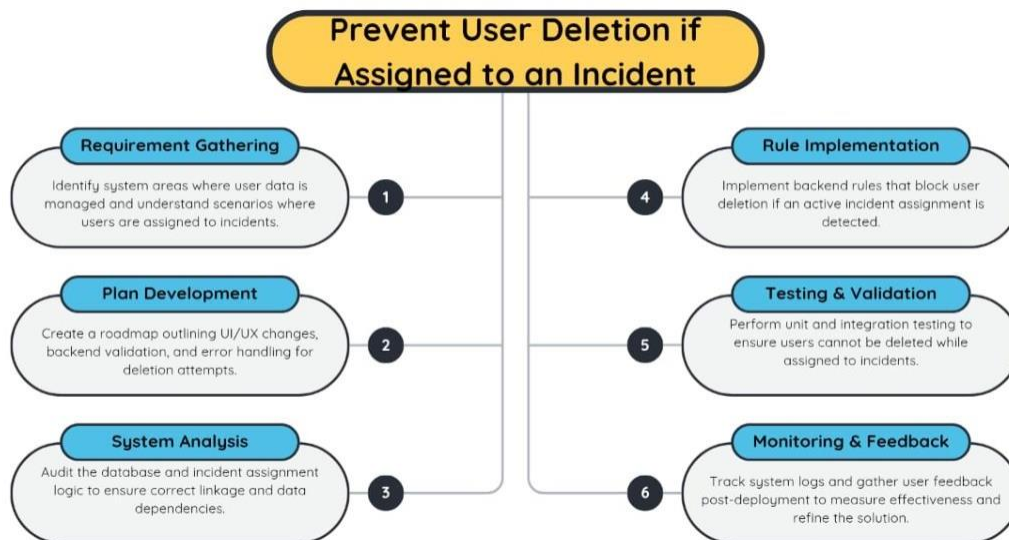**Problem – Solution Fit Template:**

The **Problem–Solution Fit** ensures that the identified challenges faced by hospitals and healthcare facilities in managing their medical inventory are effectively addressed through a suitable, automated, and reliable solution.
This framework helps healthcare administrators, IT teams, and system developers understand the **real pain points** and validate that the proposed **Medical Inventory Management System** actually solves them efficiently.

Purpose:

❑ **Solve critical operational challenges** in hospitals by providing an automated system that tracks medicines, consumables, and equipment efficiently.

❑ **Prevent stockouts and wastage** by introducing real-time alerts for low or expiring items, ensuring timely replenishment.

❑ **Increase staff efficiency and accuracy** by replacing manual logbooks with digital dashboards that centralize all inventory data.

❑ **Enhance supply chain reliability** through vendor tracking, purchase order management, and expiry control.

❑ **Ensure compliance and patient safety** by maintaining accurate inventory records, audit logs, and automated traceability of medical supplies.

❑ **Support decision-making and planning** with analytics that identify usage trends, high-demand items, and budget optimization opportunities.

❑ **Build trust and accountability** across departments by creating transparency in inventory movement, preventing misuse, and ensuring resource availability during emergencies

Template:

Prevent User Deletion if Assigned to an Incident

1. Requirement Gathering
Identify system areas where user data is managed and understand scenarios where users are assigned to incidents.

2. Plan Development
Create a roadmap outlining UI/UX changes, backend validation, and error handling for deletion attempts.

3. System Analysis
Audit the database and incident assignment logic to ensure correct linkage and data dependencies.

4. Rule Implementation
Implement backend rules that block user deletion if an active incident assignment is detected.

5. Testing & Validation
Perform unit and integration testing to ensure users cannot be deleted while assigned to incidents.

6. Monitoring & Feedback
Track system logs and gather user feedback post-deployment to measure effectiveness and refine the solution.

References:

1. https://www.ideahackers.network/problem-solution-fit-canvas/
2. https://medium.com/@epicantus/problem-solution-fit-canvas-aa3dd59cb4fe

The project "Prevent User Deletion if Assigned to an Incident" addresses a crucial gap in user and data management within incident tracking systems. By ensuring that no active user involved in an incident can be accidentally or unknowingly deleted, we significantly improve accountability, data integrity, and operational transparency. This solution not only safeguards incident resolution workflows but also supports better auditing and compliance. With the successful implementation of rule-based checks and continuous monitoring in platforms like ServiceNow, this project sets a foundation for building smarter and safer administrative systems in enterprise environments.