Project Design Phase
Solution Architecture

Date	28 June 2025
Team ID	LTVIP2025TMID28932
Project Name	Prevent user deletion if assigned to an incident
Maximum Marks	4 Marks

Solution Architecture:

Goals of the Architecture:

- Provide a system safeguard using a Business Rule
- Maintain data integrity across incident-user relationships
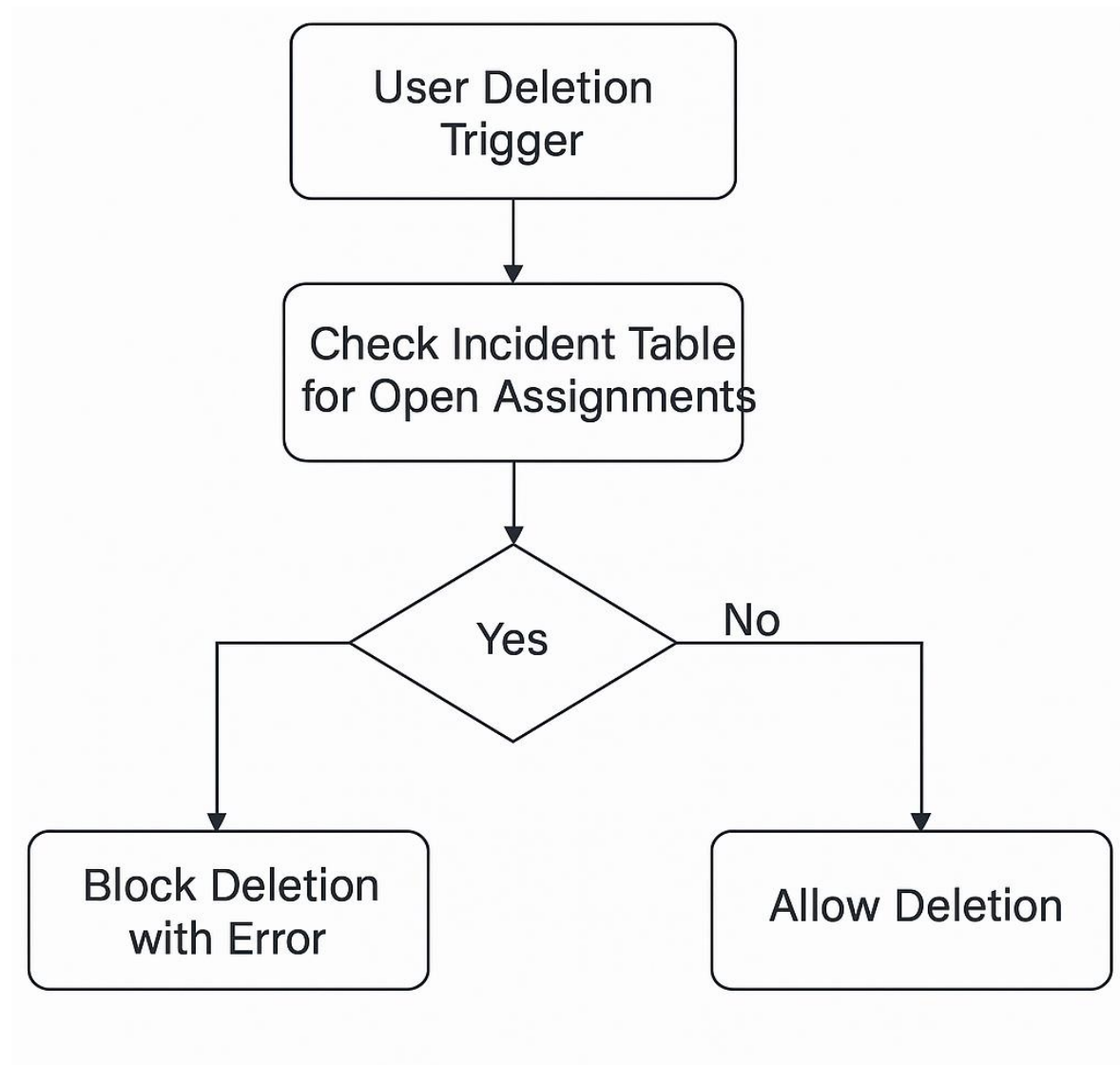- Reduce manual monitoring for user deletions

Key Components:

- sys_user table (where users exist)
- incident table (linked via assigned_to)
- Business Rule (before Delete) on sys_user
- Script logic that checks active incident assignments

Development Phases:

1. Create test users (e.g., Ajay, Kiran)
2. Assign user to incident
3. Implement Business Rule
4. Attempt user deletion (test both assigned & unassigned cases)

Example - Solution Architecture Diagram:

Figure 1: Architecture and data flow of the voice patient diary sample application

Reference: https://aws.amazon.com/blogs/industries/voice-applications-in-clinical-research-powered-by-ai-on-aws-part-1-architecture-and-design-considerations/