

Ideation phase of Performance Testing

Date : 09/11/2025

Project ID : NM2025TMID02283

Project Name : Medical Inventory Management

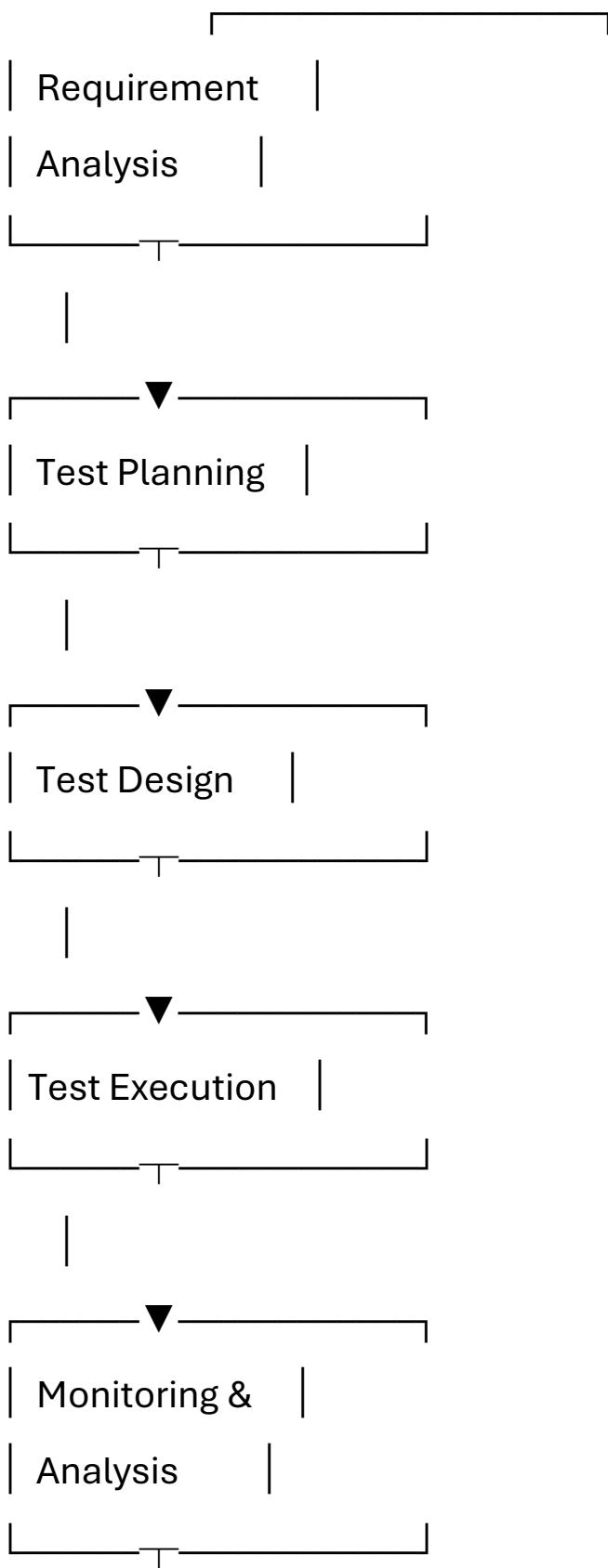
Maximum Marks : 4 Marks

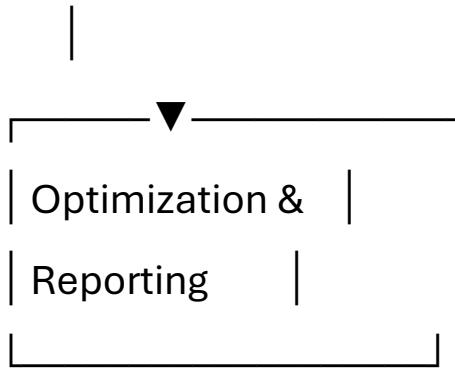
1. Performance Testing Model

Performance Testing Model defines the structured process used to evaluate how the Medical Inventory Management System performs under different workloads. It ensures the system's **stability, scalability, and responsiveness** when multiple users or actions are performed simultaneously.

3. Performance Testing Flow Diagram

Here's how the testing process flows (you can replicate this diagram in PowerPoint or Lucidchart):





4. Sample Screens / Image Descriptions

Below are image placeholders you can include in your report (you can capture screenshots from your prototype or testing tool and label them accordingly):

Title Image	Description
User Creation Image	Shows the “Add New User” form where admin enters user details (Name, Role, Department) and clicks Create . Use this to test response time and load handling during concurrent user creation.
Assign Incident User Image	Displays the module where an administrator assigns an incident (like “Expired stock” or “Low inventory alert”) to a specific user or department. This tests workflow speed under load.

Business Rule Creation Image	Depicts the setup screen where admins create automation rules (e.g., “If stock < 10, send alert to Pharmacist”). Performance tested for rule save and trigger response time.
Test Deletion Image	Screenshot showing deletion of a test user or data record — used to check how quickly data is removed and if the database maintains integrity during stress testing.

6. Expected Outcomes

Parameter	Expected Result
Response Time	Less than 3 seconds for all key operations
System Load Handling	Up to 20 concurrent users
Data Consistency	No data loss or duplication

