Performance and Testing

Date	01 NOV 2025
Team ID	NM2025TMID02942
Title	Medical Inventory System
Maximum Marks	4 Marks

Modern Performance

1. Objectives of Performance and Testing

- Validate that the system functions correctly according to requirements.

- Ensure system performance meets user expectations under normal and peak load.

- Confirm data accuracy, security, and reliability.

- Identify and fix bugs or bottlenecks before deployment.

- Verify integration with other hospital or pharmacy systems.

2. Test Environment Setup

- **Server environment:** Mimic hospital IT infrastructure (database, network speed, concurrent access).

- **Test data:** Include diverse inventory items, departments, and suppliers.

- **Network conditions:** Simulate real hospital conditions (latency, limited bandwidth).

- **Backup and recovery:** Test data restore scenarios for downtime recovery.
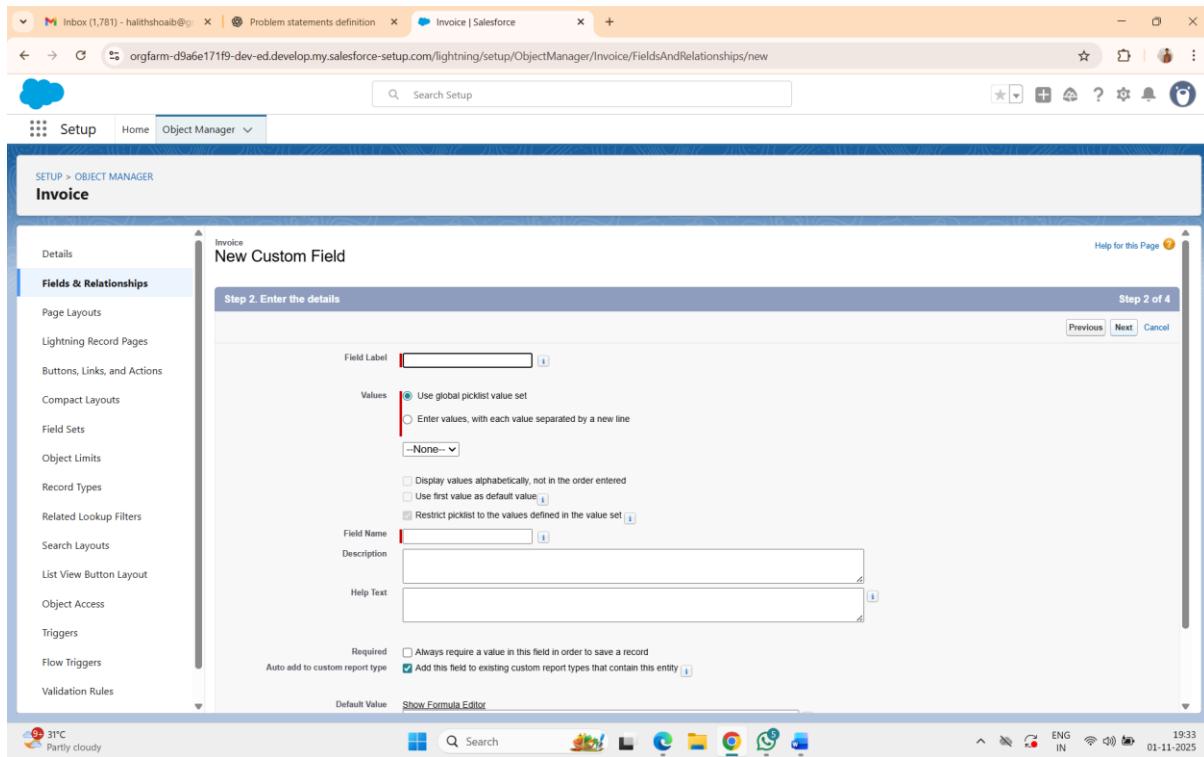
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3. Performance Improvement Strategies

- Use **database indexing** and **query optimization**.

- Implement **caching** for frequently accessed reports.

- Enable **asynchronous updates** for non-critical tasks.

- Optimize **images and UI components** for faster load times.

- Regularly **archive old transaction logs** to keep the system lightweight.

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4. Test Reporting and Evaluation

- Maintain a **Test Case Document** with expected vs. actual results.

- Track **bugs and fixes** in an issue tracker (e.g., Jira, Trello).

- Conduct **final user feedback sessions** before deployment.

- Prepare a **Performance Summary Report** with metrics and recommendations.

Object Manager

Setup   Home   Object Manager ∨

SETUP
Object Manager
53+ Items, Sorted by Label

Quick Find   Schema Builder   Create ▾

LABEL ▲	API NAME	TYPE	DESCRIPTION	LAST MODIFIED	DEPLOYED
Account	Account	Standard Object			
Activity	Activity	Standard Object			
Address	Address	Standard Object			
Agent Work	AgentWork	Standard Object			
Alternative Payment Method	AlternativePaymentMethod	Standard Object			
API Anomaly Event Store	ApiAnomalyEventStore	Standard Object			
Appointment Category	AppointmentCategory	Standard Object			
Appointment Invitation	AppointmentInvitation	Standard Object			
Appointment Invitee	AppointmentInvitee	Standard Object			
Appointment Topic Time Slot	AppointmentTopicTimeSlot	Standard Object			
Approval Submission	ApprovalSubmission	Standard Object			
Approval Submission Detail	ApprovalSubmissionDetail	Standard Object			
Approval Work Item	ApprovalWorkItem	Standard Object			
Asset	Asset	Standard Object			
Asset Action	AssetAction	Standard Object			
Asset Action Source	AssetActionSource	Standard Object			

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Q Search

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