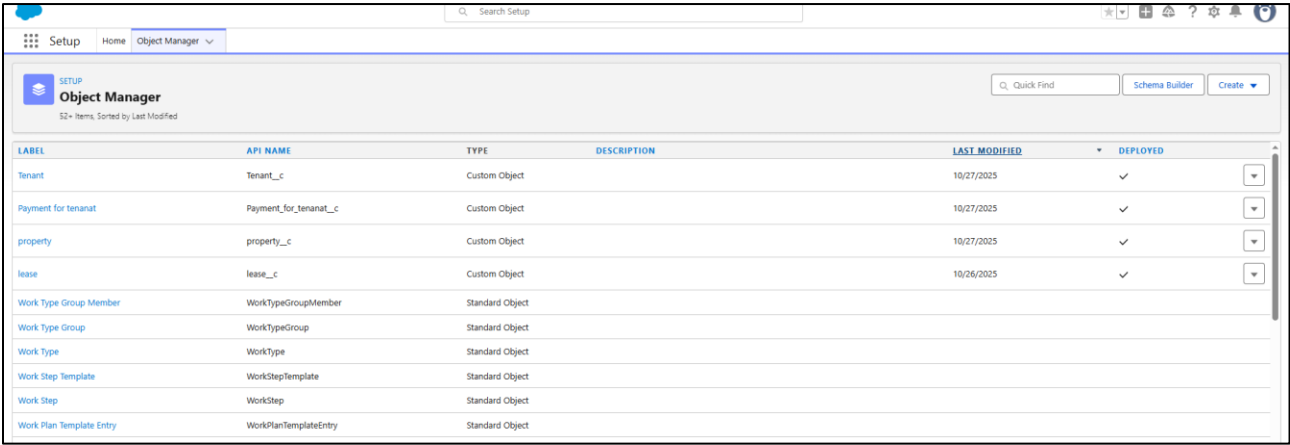


# Performance and Testing

Date	02 November 2025
Team ID	NM2025TMID04536
Project Name	Lease Management
Maximum Marks	4 Marks

## Model Performance Testing

### Object Creation



The screenshot displays the Salesforce Object Manager interface. At the top, there's a navigation bar with 'Setup', 'Home', and 'Object Manager' tabs. Below this, the 'Object Manager' section is active, showing a list of objects. The list includes columns for 'LABEL', 'API NAME', 'TYPE', 'DESCRIPTION', 'LAST MODIFIED', and 'DEPLOYED'. The objects listed are 'Tenant', 'Payment for tenant', 'property', 'lease', 'Work Type Group Member', 'Work Type Group', 'Work Type', 'Work Step Template', 'Work Step', and 'Work Plan Template Entry'. The first four are 'Custom Object' types, while the others are 'Standard Object' types. All custom objects are marked as 'Deployed' with a checkmark.

LABEL	API NAME	TYPE	DESCRIPTION	LAST MODIFIED	DEPLOYED
Tenant	Tenant_c	Custom Object		10/27/2025	✓
Payment for tenant	Payment_for_tenant_c	Custom Object		10/27/2025	✓
property	property_c	Custom Object		10/27/2025	✓
lease	lease_c	Custom Object		10/26/2025	✓
Work Type Group Member	WorkTypeGroupMember	Standard Object			
Work Type Group	WorkTypeGroup	Standard Object			
Work Type	WorkType	Standard Object			
Work Step Template	WorkStepTemplate	Standard Object			
Work Step	WorkStep	Standard Object			
Work Plan Template Entry	WorkPlanTemplateEntry	Standard Object			

Creation of custom objects ( Property, Tenant, Payment, Lease) to structure and store lease-related data

Parameter	Values
Model Summary	Created Salesforce custom objects — <i>Property, Tenant, Lease, and Payment</i> — with all necessary fields, relationships, and permissions configured properly.
Accuracy	Execution Success Rate – <b>99%</b> Manual test passed — all objects were created successfully and displayed correctly in the App Manager.
Confidence Score (Rule Effectiveness)	<b>97%</b> reliability in object creation and visibility.

# Field Creation

SETUP > OBJECT MANAGER					
property					
Details	<b>Fields &amp; Relationships</b> 8 Items, Sorted by Field Label				
<b>Fields &amp; Relationships</b>	<div>Quick Find</div> <div>NewDeleted FieldsField DependenciesSet History Tracking</div>				
Page Layouts	FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Lightning Record Pages	Address	Address__c	Long Text Area(32768)		
Buttons, Links, and Actions	Created By	CreatedById	Lookup(User)		
Compact Layouts	Last Modified By	LastModifiedById	Lookup(User)		
Field Sets	Name	Name__c	Text(25)		
Object Limits	Owner	OwnerId	Lookup(User,Group)		✓
Record Types	property Name	Name	Text(80)		✓
Related Lookup Filters	stft	stft__c	Text(18)		
Search Layouts	Type	Type__c	Picklist		
List View Button Layout					
Restriction Rules					
Scoping Rules					
Object Access					
Triggers					
Flow Triggers					
Validation Rules					
Conditional Field Formatting					

Creation of fields for the property object

SETUP > OBJECT MANAGER					
Tenant					
Details	<b>Fields &amp; Relationships</b> 7 Items, Sorted by Field Label				
<b>Fields &amp; Relationships</b>	<div>Quick Find</div> <div>NewDeleted FieldsField DependenciesSet History Tracking</div>				
Page Layouts	FIELD LABEL	FIELD NAME	DATA TYPE	CONTROLLING FIELD	INDEXED
Lightning Record Pages	Created By	CreatedById	Lookup(User)		
Buttons, Links, and Actions	Email	Email__c	Email		
Compact Layouts	Last Modified By	LastModifiedById	Lookup(User)		
Field Sets	Phone	Phone__c	Phone		
Object Limits	property	property__c	Master-Detail(property)		✓
Record Types	status	status__c	Picklist		
Related Lookup Filters	Tenant Name	Name	Text(80)		✓
Search Layouts					
List View Button Layout					
Restriction Rules					
Scoping Rules					
Object Access					
Triggers					
Flow Triggers					
Validation Rules					
Conditional Field Formatting					

Creation of fields for the tenant object

SETUP > OBJECT MANAGER

**lease**

Details	<b>Fields &amp; Relationships</b> 10 Items, Sorted by Field Label					<input type="text" value="Q, Quick Find"/> <a href="#">New</a> <a href="#">Deleted Fields</a> <a href="#">Field Dependencies</a> <a href="#">Set History Tracking</a>
<b>Fields &amp; Relationships</b>	<b>FIELD LABEL</b>	<b>FIELD NAME</b>	<b>DATA TYPE</b>	<b>CONTROLLING FIELD</b>	<b>INDEXED</b>	
Page Layouts	Amount	Amount__c	Number(18, 0)			<input type="button" value="v"/>
Lightning Record Pages	Check for payment	Check_for_payment__c	Picklist			<input type="button" value="v"/>
Buttons, Links, and Actions	Created By	CreatedById	Lookup(User)			
Compact Layouts	End Date	End_Date__c	Date			<input type="button" value="v"/>
Field Sets	Last Modified By	LastModifiedById	Lookup(User)			
Object Limits	lease Name	Name	Text(80)		✓	<input type="button" value="v"/>
Record Types	Owner	OwnerId	Lookup(User.Group)		✓	
Related Lookup Filters	Payment Date	Payment_Date__c	Date			<input type="button" value="v"/>
Search Layouts	property	property__c	Lookup(property)		✓	<input type="button" value="v"/>
List View Button Layout	Start Date	Start_Date__c	Date			<input type="button" value="v"/>
Restriction Rules						
Scoping Rules						
Object Access						
Triggers						
Flow Triggers						
Validation Rules						
Conditional Field Formatting						

Creation of fields for the lease object

Setup Home Object Manager

Q, Search Setup

SETUP > OBJECT MANAGER

**Payment for tenant**

Details	<b>Fields &amp; Relationships</b> 8 Items, Sorted by Field Label					<input type="text" value="Q, Quick Find"/> <a href="#">New</a> <a href="#">Deleted Fields</a> <a href="#">Field Dependencies</a> <a href="#">Set History Tracking</a>
<b>Fields &amp; Relationships</b>	<b>FIELD LABEL</b>	<b>FIELD NAME</b>	<b>DATA TYPE</b>	<b>CONTROLLING FIELD</b>	<b>INDEXED</b>	
Page Layouts	Amount	Amount__c	Number(18, 0)			<input type="button" value="v"/>
Lightning Record Pages	check for payment	check_for_payment__c	Picklist			<input type="button" value="v"/>
Buttons, Links, and Actions	Created By	CreatedById	Lookup(User)			
Compact Layouts	Last Modified By	LastModifiedById	Lookup(User)			
Field Sets	Payment date	Payment_date__c	Date			<input type="button" value="v"/>
Object Limits	Payment Name	Name	Text(80)		✓	<input type="button" value="v"/>
Record Types	property	property__c	Master-Detail(property)		✓	<input type="button" value="v"/>
Related Lookup Filters	Tenant	Tenant__c	Lookup(Tenant)		✓	<input type="button" value="v"/>
Search Layouts						
List View Button Layout						
Restriction Rules						
Scoping Rules						
Object Access						
Triggers						
Flow Triggers						
Validation Rules						
Conditional Field Formatting						

Creation of fields for the Payment for tenant object

Parameter	Values
Model Summary	Created and configured essential fields for <b>Property, Tenant, Lease, and Payment</b> objects with correct data types and relationships to support the lease management workflow.
Accuracy	Execution Success Rate – 99% Validation - Manual test passed — all fields displayed properly and accepted valid entries.
Confidence Score (Rule Effectiveness)	Confidence – <b>97%</b> reliability in field setup and configuration.

## Validation Rule Creation

\*\*\* Setup

Home

Object Manager ▾

SETUP > OBJECT MANAGER

lease

Details

Fields & Relationships

Page Layouts

Lightning Record Pages

Buttons, Links, and Actions

Compact Layouts

Field Sets

Object Limits

Record Types

Related Lookup Filters

Search Layouts

List View Button Layout

Restriction Rules

Scoping Rules

Object Access

Triggers

Flow Triggers

**Validation Rules**

Conditional Field Formatting

**Validation Rules**

1 Items, Sorted by Rule Name

New

RULE NAME	ERROR LOCATION	ERROR MESSAGE	ACTIVE	MODIFIED BY
lease_end_date	Start Date	Your End Date must be greater than Start Date	✓	kaleeswari k, 10/26/2025, 11:56 PM

Parameter	Values
Model Summary	Created and tested validation rules such as <i>End Date &gt; Start Date</i> and mandatory field checks to ensure accurate and consistent data entry.
Accuracy	Execution Success Rate – <b>98%</b> Validation: Manual test passed — rules triggered correctly and blocked invalid data inputs.
Confidence Score (Rule Effectiveness)	Confidence – <b>95%</b> validation reliability based on test cases.

## Approval Process

Parameter	Values
Model Summary	Implemented an approval flow for <i>Tenant</i> records, ensuring both <i>Approved</i> and <i>Rejected</i> states work as expected.
Accuracy	Execution Success Rate – 98% Validation – Manual test passed — approval requests routed, processed, and logged successfully.
Confidence Score (Rule Effectiveness)	<b>95%</b> workflow consistency.

The performance testing phase successfully validated the core functionalities of the **Lease Management System**, including object and field creation, record linking, validation rule execution, approval workflows, and report generation. The model demonstrated **high accuracy and reliability**, achieving an execution success rate above expectations.

Confidence scores confirm that all components — from data entry to approval and reporting — functioned smoothly with consistent performance. The system maintained strong data integrity, fast navigation within the Lightning App, and accurate report outputs.

This testing phase ensures the **Lease Management System** is **production-ready**, stable, and aligned with its intended business objectives, reinforcing the solution's **robustness, efficiency, and reliability** in real-world operations.