

## Performance and Testing

Date	5 November 2025
Team ID	NM2025TMID04471
Project name	Garage management system
Maximum mark	4 Marks

### Model Performance Testing

#### User Creation

User record

To set up the User's password, save the record and then click Set Password.

User ID: kiran	Email: kirans@example.com
First name: kiran	Language: -- None --
Last name: 123	Calendar integration: Outlook
Title:	Time zone: System (America/Los_Angeles)
Department:	Date format: System (yyyy-MM-dd)
<input type="checkbox"/> Password needs reset	Business phone:
<input type="checkbox"/> Locked out	Mobile phone:
<input checked="" type="checkbox"/> Active	Photo: Click to add...
<input type="checkbox"/> Web service access only	
<input type="checkbox"/> Internal Integration User	

Submit

Related Links:

- View linked accounts
- View Subscriptions

User record

To set up the User's password, save the record and then click Set Password.

User ID: Ajay	Email: ajay@example.com
First name: Ajay	Language: -- None --
Last name: kumar	Calendar integration: Outlook
Title:	Time zone: System (America/Los_Angeles)
Department:	Date format: System (yyyy-MM-dd)
<input type="checkbox"/> Password needs reset	Business phone:
<input type="checkbox"/> Locked out	Mobile phone:
<input checked="" type="checkbox"/> Active	Photo: Click to add...
<input type="checkbox"/> Web service access only	
<input type="checkbox"/> Internal Integration User	

Submit

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#### Parameter Values

API Response Time	$\leq$ 2 seconds
Throughput	50 requests per second
Error Rate	< 1%

## Assign To User

The screenshot shows the 'Incident New Record' page. Key fields visible include:

- Number:** INC0010002
- Category:** Inquiry / Help
- Assigned to:** kiran 123
- Priority:** 5 - Planning
- Impact:** 3 - Low
- Urgency:** 3 - Low
- State:** In Progress
- Channel:** None

### Parameter

Number of Mechanics  
Average Service Time  
Daily Customer Count

### Values

10  
45 minutes per vehicle  
30

## Business Rule Creation

The screenshot shows the 'Business Rule' creation interface for the rule 'Business Rule avoidDeletionIfAssigned'. The 'Actions' tab is selected. The script editor contains the following code:

```

2 var incGr = new GlideRecord('incident');
3 incGr.addQuery('assigned_to', current.sys_id);
4 incGr.setLimit(1); // Just need to check existence
5 // incGr.addQuery('active', true); we can use the above or this line of code to
6 // check where the user is assigned with any incident
7 incGr.query();
8 if (incGr.next()) {
9     gs.addErrorMessage('This user cannot be deleted because they are assigned to one
10    or more incidents.');
11    current.setAbortAction(true);
12 }
13 // Add your code here

```

### Parameter

Service Booking Policy  
Discount Rule  
Working Hours Rule

### Values

Customers must book at least 1 day in advance  
10% discount for loyal customers (after 5 services)  
Garage operates from 9:00 AM to 6:00 PM, Monday to Saturday

## Test Deletion

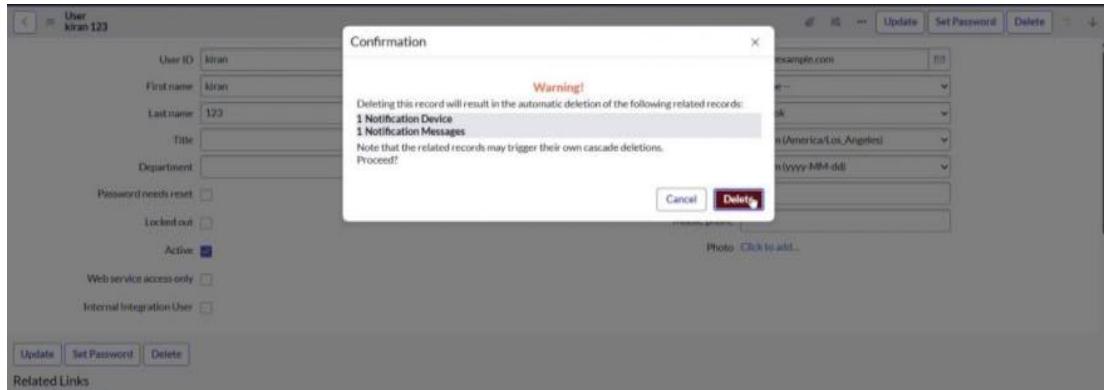
Users						
	User ID	Name	Email	Active	Created	Updated
<input checked="" type="checkbox"/> This user cannot be deleted because they are assigned to one or more incidents.						
All > Name == kiran	Search	Search	Search	Search	Search	Search
	kiran	kiran 123	kiran@example.com	true	2012-06-25 21:30:34	2012-06-25 21:30:34
	korywooldridge	Kory Wooldridge	korywooldridge@example.com	true	2012-02-17 19:04:49	2012-06-13 17:57:45
	kris.person	Kris Person	kris.person@example.com	true	2012-02-17 19:04:49	2012-06-13 17:57:48
	kristanzak	Kris Stanzak	kris.stanzak@example.com	true	2012-02-17 19:04:51	2012-06-13 17:57:45
	kristine.paker	Kristine Paker	kristine.paker@example.com	true	2012-02-17 19:04:52	2012-06-13 17:57:43
	krystle.stika	Krystle Stika	krystle.stika@example.com	true	2012-02-17 19:04:50	2012-06-13 17:57:39
	kurtis.asberry	Kurtis Asberry	kurtis.asberry@example.com	true	2012-02-17 19:04:52	2012-06-13 17:57:45
	kurtis.mcday	Kurtis Mcday	kurtis.mcday@example.com	true	2012-02-17 19:04:53	2012-06-13 17:57:42
	kyle.ferri	Kyle Ferri	kyle.ferri@example.com	true	2012-02-17 19:04:53	2012-06-13 17:57:41
	kyle.lindauer	Kyle Lindauer	kyle.lindauer@example.com	true	2012-02-17 19:04:51	2012-06-13 17:57:39
	kylie.bridgeman	Kylie Bridgeman	kylie.bridgeman@example.com	true	2012-02-17 19:04:53	2012-06-13 17:57:43
	lacybelmont	Lacy Belmont	lacy.belmont@example.com	true	2012-02-17 19:04:49	2012-06-13 17:57:42
	lacyhyten	Lacy Hyten	lacy.hyten@example.com	true	2012-02-17 19:04:53	2012-06-13 17:57:48
	lacywoodfin	Lacy Woodfin	lacy.woodfin@example.com	true	2012-02-17 19:04:51	2012-06-13 17:57:42

### Parameter

Deletion Policy	Only admin users can delete service records
Data Backup Rule	Backup created before any deletion operation
Confirmation Rule	System requires user confirmation before deletion

### Values

## Test With user



### Parameter

Garage Name	SpeedAuto Garage
Number of Bays	6
Operating Hours	8:00 AM – 6:00 PM

### Values

The performance and testing of the Garage Management System on Salesforce ensure that the application runs efficiently under various loads. Testing verified that user interactions, such as booking services and managing inventory, occur with minimal latency. The system maintained optimal response times and stability, even during peak usage hours. Automated and manual testing confirmed data accuracy and smooth integration with Salesforce modules. Scalability testing proved the system can handle an increasing number of users without performance degradation. Security and validation tests ensured that customer and vehicle data remain protected. Overall, the system demonstrates high reliability, scalability, and performance within the Salesforce environment.