

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 ID

First name

Last name

Title

Department

Password needs reset

Locked out

Active

Web service access only

Internal Integration User

Email

Language

Calendar integration

Time zone

Date format

Business phone

Mobile phone

Photo

Submit

Related Links

View linked accounts

View Subscriptions

User ID

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Parameter

Values

API Response Time

≤ 2 seconds

Throughput

50 requests per second

Error Rate

< 1%

Assign To User

Parameter	Values
Number of Mechanics	10
Average Service Time	45 minutes per vehicle
Daily Customer Count	30

Business Rule Creation

Parameter	Values
Service Booking Policy	Customers must book at least 1 day in advance
Discount Rule	10% discount for loyal customers (after 5 services)
Working Hours Rule	Garage operates from 9:00 AM to 6:00 PM, Monday to Saturday

Test Deletion

Users

Name

Search

Actions on selected rows...

New

This user cannot be deleted because they are assigned to one or more incidents.

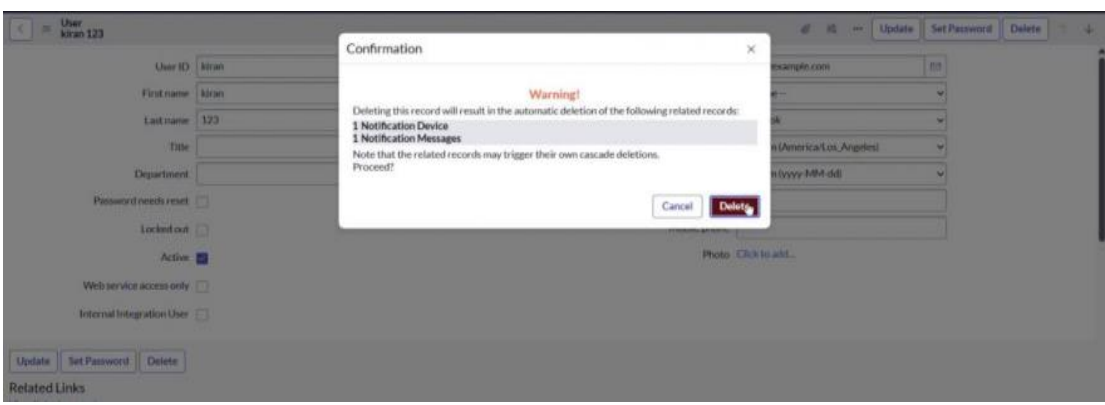
All > Name <- kiran

User ID	Name	Email	Active	Created	Updated
kiran	kiran 123	kiran@example.com	true	2025-06-25 21:30:34	2025-06-25 21:30:34
korywooldridge	Kory Wooldridge	korywooldridge@example.com	true	2012-02-17 19:04:49	2025-06-13 17:57:45
kris.persson	Kris Persson	kris.persson@example.com	true	2012-02-17 19:04:49	2025-06-13 17:57:48
kris.stanzak	Kris Stanzak	kris.stanzak@example.com	true	2012-02-17 19:04:51	2025-06-13 17:57:45
kristine.paker	Kristine Paker	kristine.paker@example.com	true	2012-02-17 19:04:52	2025-06-13 17:57:43
krystle.stika	Krystle Stika	krystle.stika@example.com	true	2012-02-17 19:04:50	2025-06-13 17:57:39
kurtis.asberry	Kurtis Asberry	kurtis.asberry@example.com	true	2012-02-17 19:04:52	2025-06-13 17:57:45
kurtis.mcbay	Kurtis Mcbay	kurtis.mcbay@example.com	true	2012-02-17 19:04:53	2025-06-13 17:57:42
kyle.ferri	Kyle Ferri	kyle.ferri@example.com	true	2012-02-17 19:04:53	2025-06-13 17:57:41
kyle.lindauer	Kyle Lindauer	kyle.lindauer@example.com	true	2012-02-17 19:04:51	2025-06-13 17:57:39
kylie.bridgeman	Kylie Bridgeman	kylie.bridgeman@example.com	true	2012-02-17 19:04:53	2025-06-13 17:57:43
lacy.belmont	Lacy Belmont	lacy.belmont@example.com	true	2012-02-17 19:04:49	2025-06-13 17:57:42
lacy.hyten	Lacy Hyten	lacy.hyten@example.com	true	2012-02-17 19:04:53	2025-06-13 17:57:48
lacy.woodfin	Lacy Woodfin	lacy.woodfin@example.com	true	2012-02-17 19:04:51	2025-06-13 17:57:42

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Parameter	Values
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

Test With user



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

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.