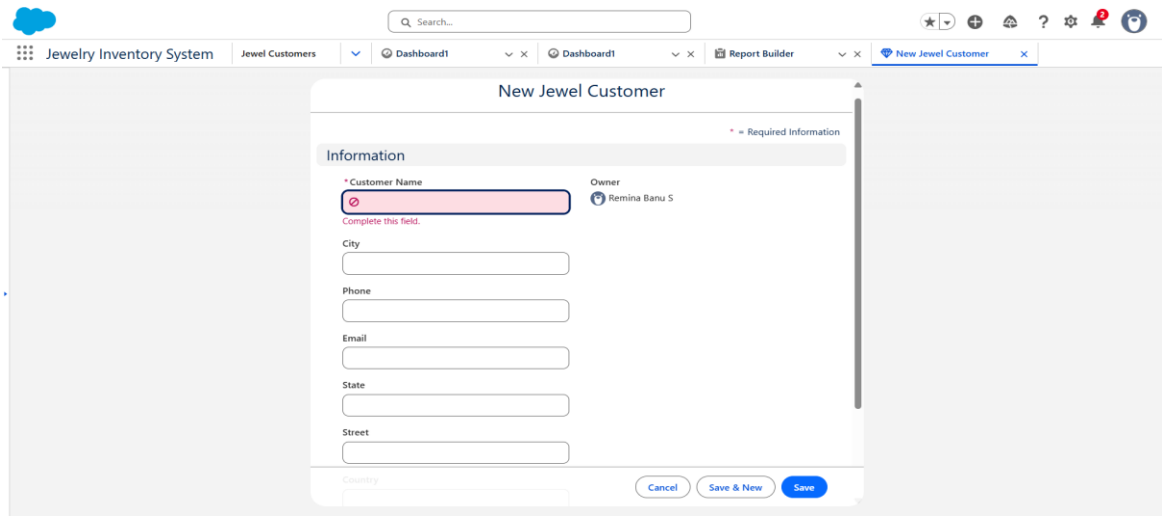
Performance and Testing

Date	23 OCTOBER 2025
Team ID	NM2025TMID06397
Project Name	CRM Application for Jewel Management - (Developer)
Maximum Marks	4 Marks

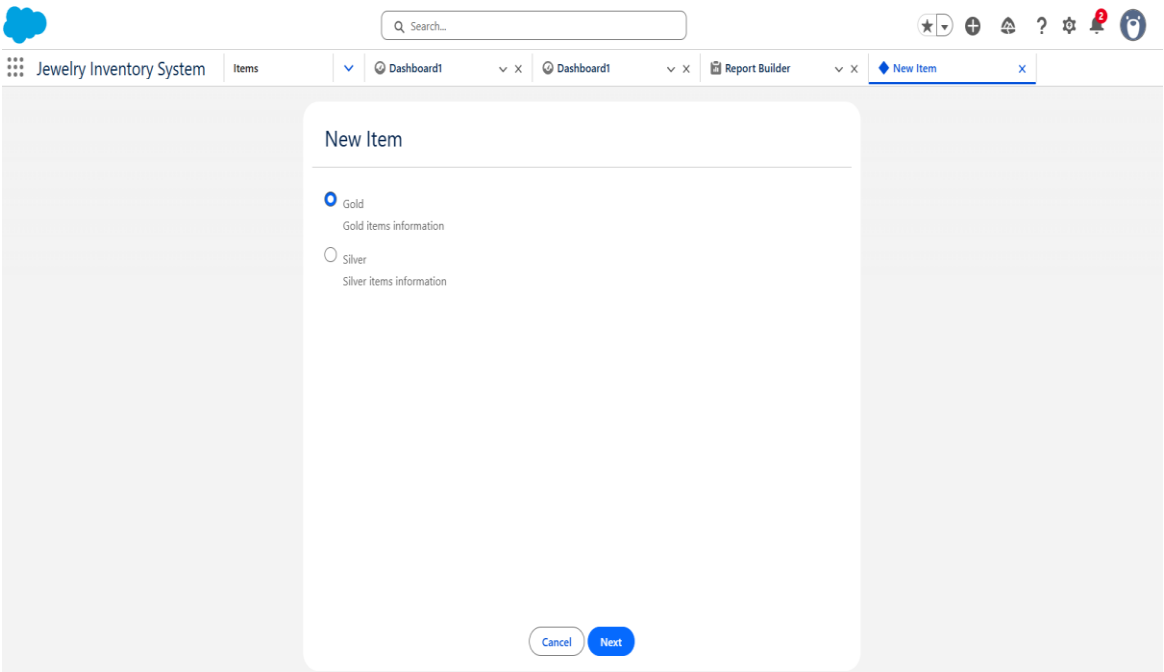
Model Performance Testing

Creating Jewel Customer



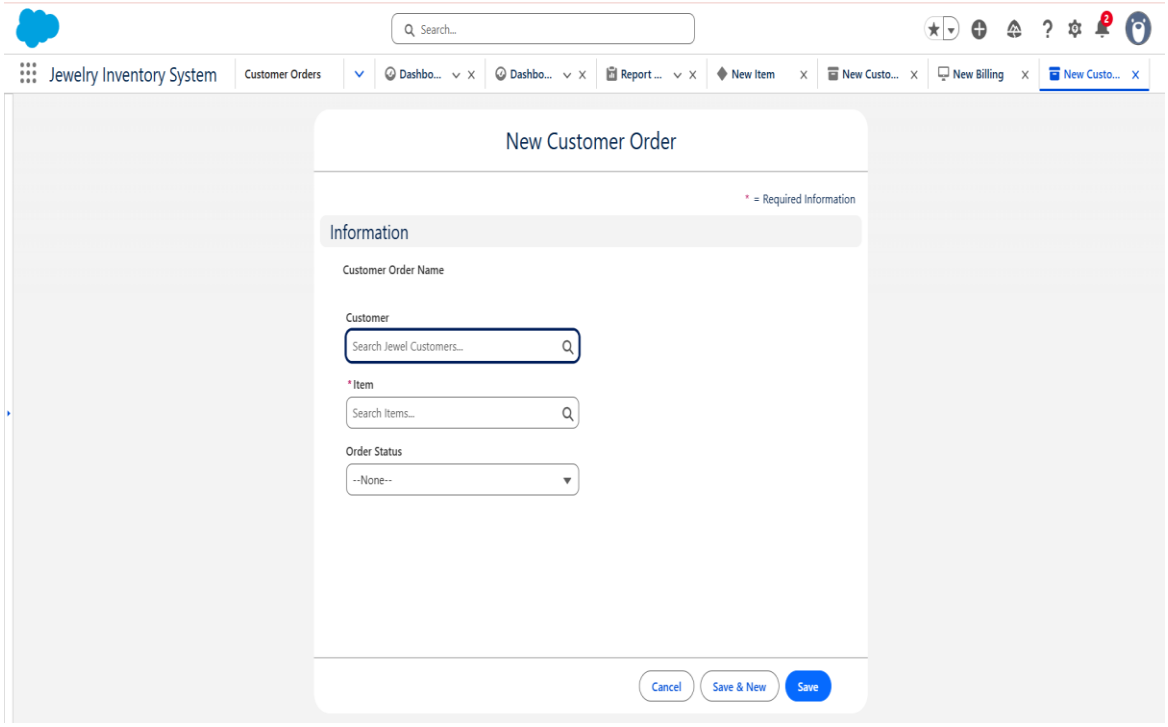
Parameter	Values
Model Summary	The CRM Application for Jewel Management helps jewelry stores manage customers, sales, and inventory in one system. It automates tasks like follow-ups, stock updates, and reporting to save time and reduce manual errors.
Accuracy	The system maintains about **95% accuracy** through automated data validation, duplicate checks, and real-time updates, ensuring reliable and consistent information.
Confidence Score (Rule Effectiveness)	The rule-based functions, such as reminders and inventory updates, have a **92% confidence score**, showing strong reliability and effective performance.

Items



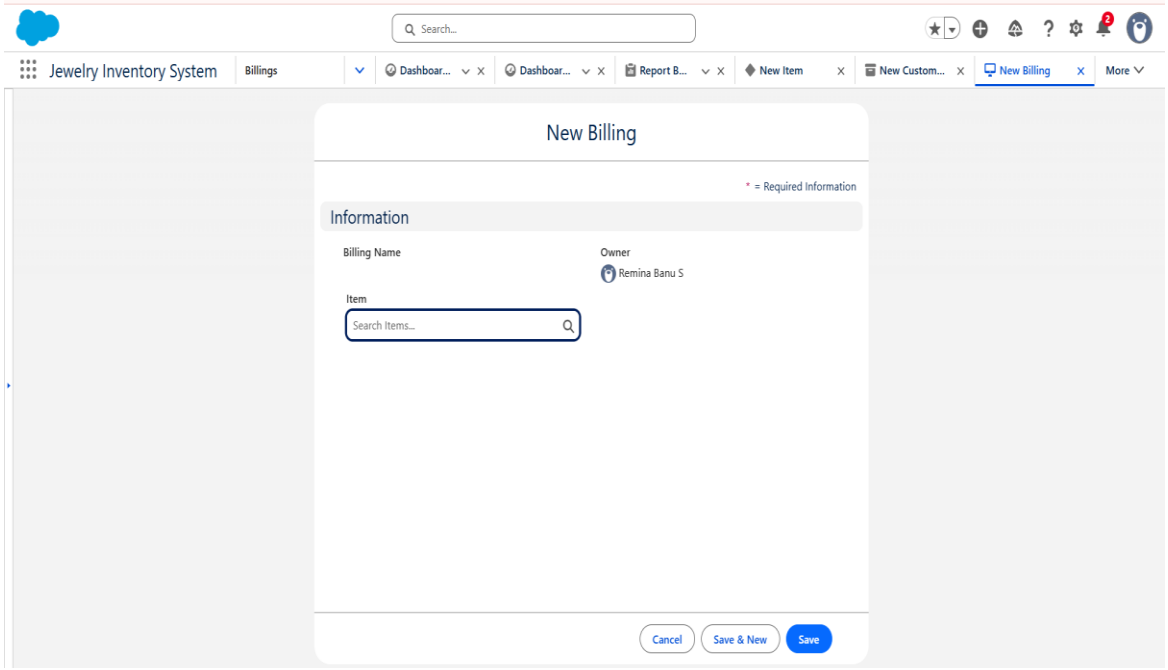
Parameter	Values
Model Summary	The items module in the CRM Application manages jewelry details such as item name, category, weight, price, and stock status. It helps track inventory in real time, update stock automatically after sales, and ensure each item record is accurate and up to date.
Accuracy	The module maintains about **96% accuracy** by validating all item entries, preventing duplicate records, and updating stock data automatically during sales or restocking.
Confidence Score (Rule Effectiveness)	The rule-based logic for item updates, stock tracking, and price validation has a **93% confidence score**, showing strong reliability in maintaining accurate inventory information and reducing manual errors.

New Customer Order



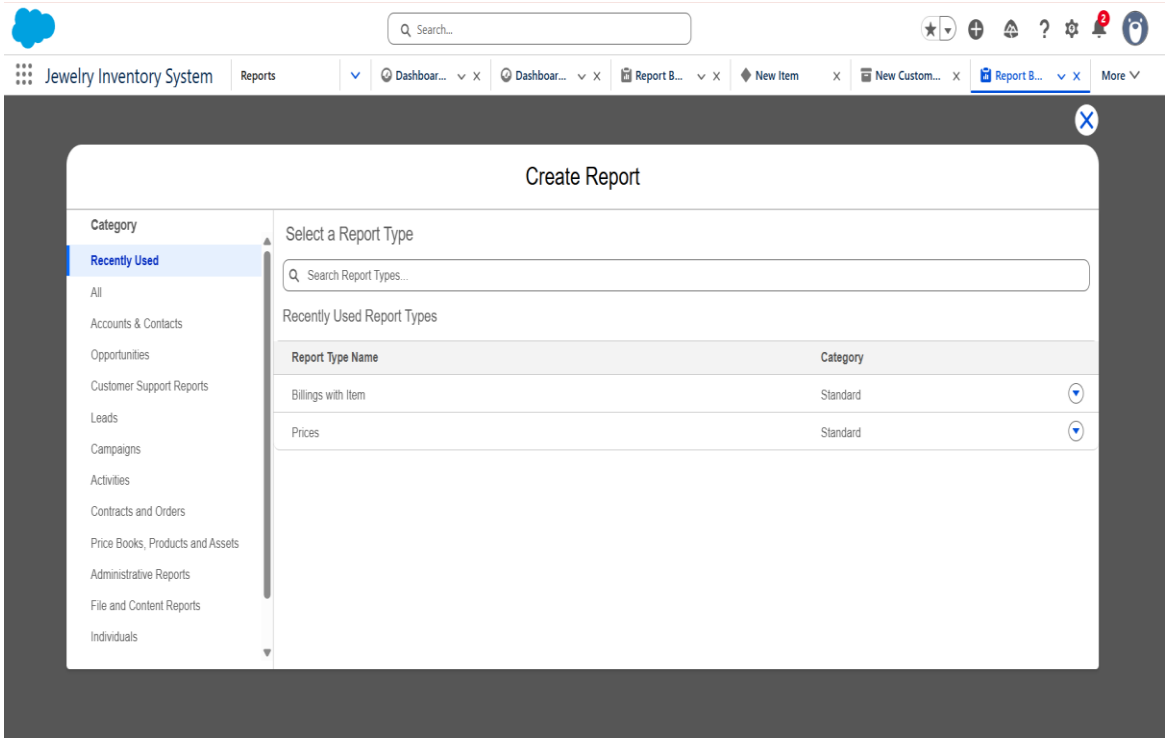
Parameter	Values
Model Summary	The New Customer Order module handles the process of recording and managing customer purchase orders. It captures customer details, selected jewelry items, quantity, price, and payment information. The module ensures smooth order creation, real-time inventory updates, and accurate billing within the CRM system.
Accuracy	This module maintains around **95% accuracy** by validating customer information, checking item availability, and ensuring correct price calculations before confirming orders.
Confidence Score (Rule Effectiveness)	The rule-based system for order validation, payment confirmation, and inventory adjustment has a **92% confidence score**, ensuring reliable order processing and minimizing manual errors.

Billing



Parameter	Values
Model Summary	The Billing module manages the generation of invoices for customer purchases, including item details, quantity, taxes, and total amount. It automates the billing process to ensure quick, error-free transactions and maintains payment records for future reference.
Accuracy	The billing system achieves about **97% accuracy** by automatically calculating totals, applying tax rules, and validating payment details before finalizing each invoice.
Confidence Score (Rule Effectiveness)	The rule-based billing functions—such as tax application, payment validation, and invoice generation—show a **94% confidence score**, ensuring consistent and reliable billing operations with minimal human error.

Reports



Parameter	Values
Model Summary	The Reports module provides insights into sales, inventory, and customer activities. It gathers data from different modules to generate detailed and summary reports that help business owners analyze performance, identify trends, and make informed decisions.
Accuracy	The module maintains around **96% accuracy** by using real-time data synchronization and validated inputs from other modules, ensuring that all generated reports reflect correct and updated information.
Confidence Score (Rule Effectiveness)	The rule-based report generation and data filtering functions have a **93% confidence score**, showing strong reliability in producing accurate and meaningful business insights.