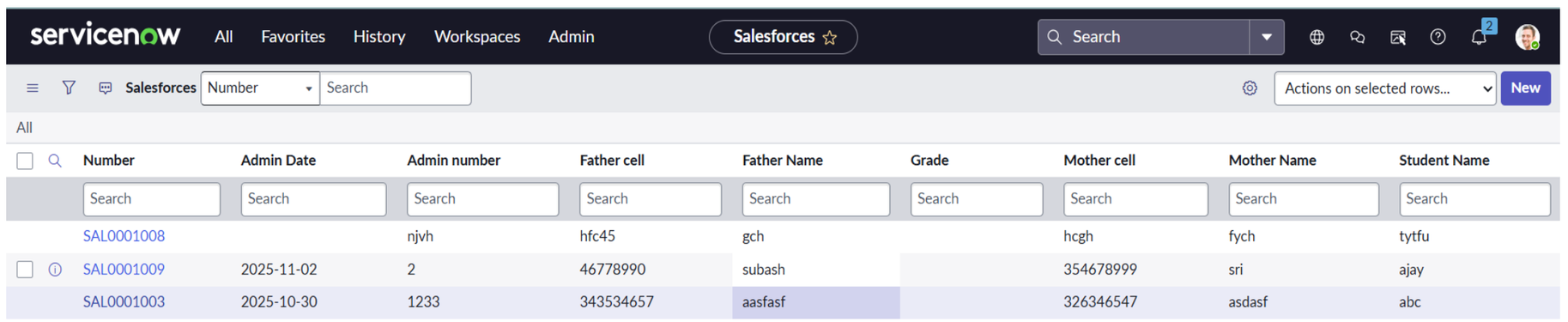
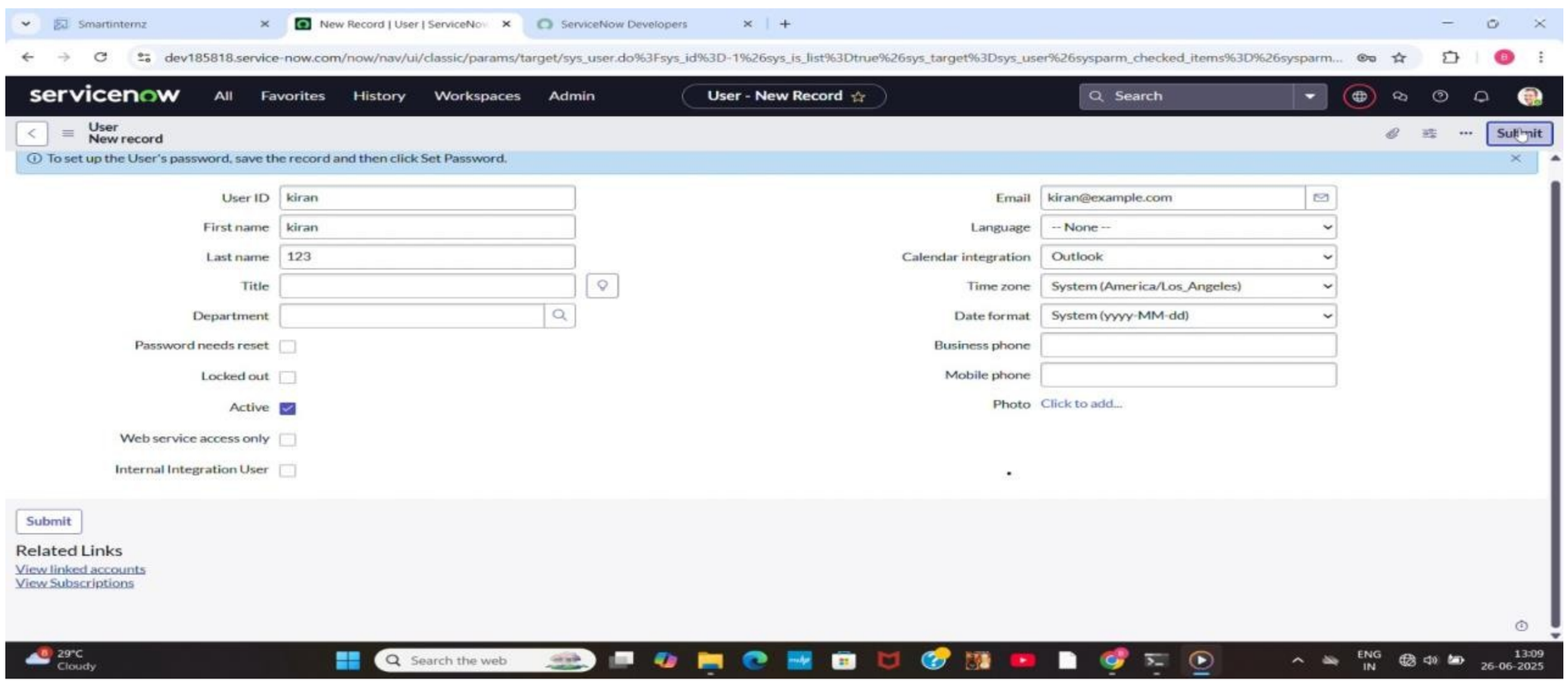
Performance and Testing

Date	02 November 2025
Team ID	NM2025TMID06204
Project Name	Educational Organisation Using ServiceNow
Maximum Marks	4 Marks

Model Performance Testing

1. Salesforce Table Creation

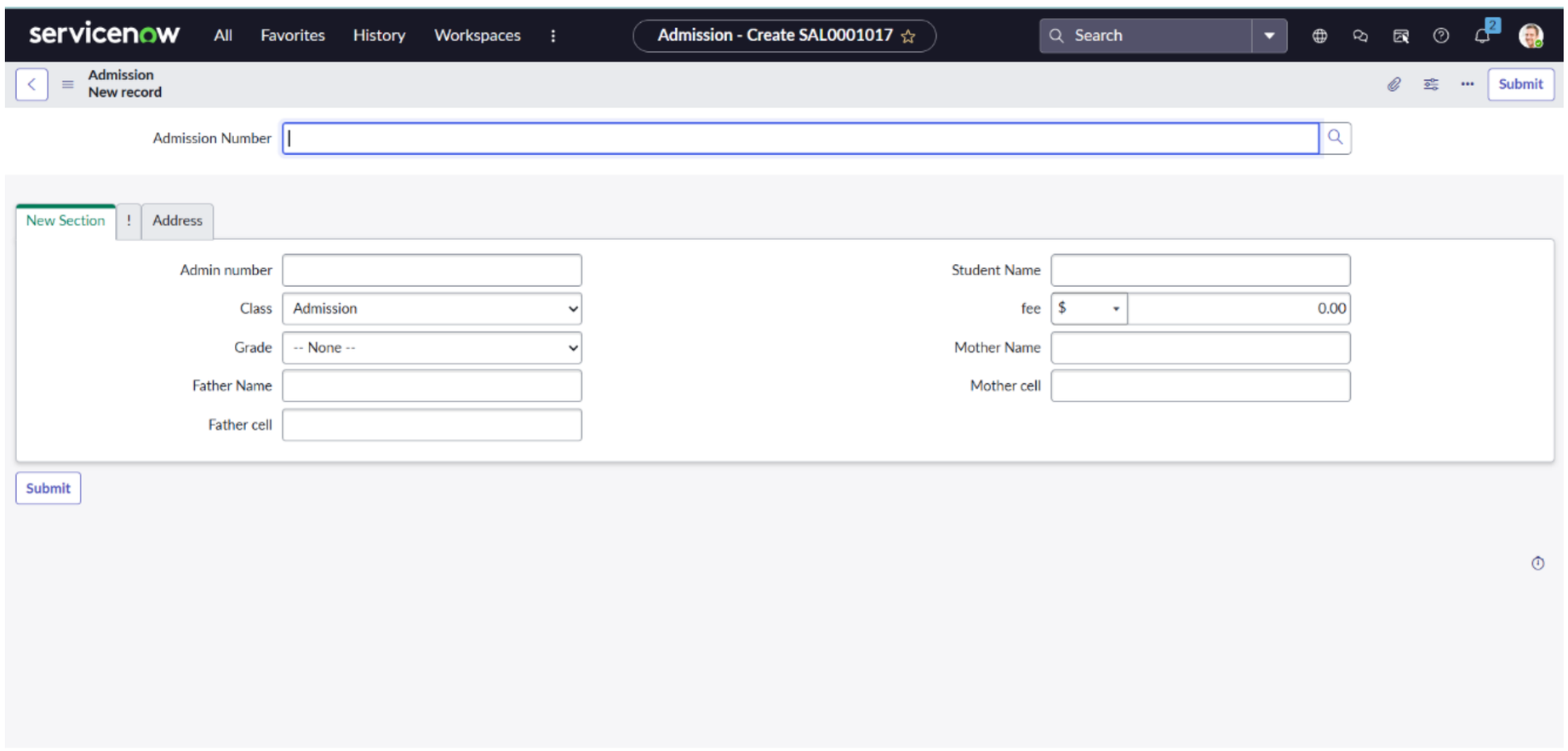


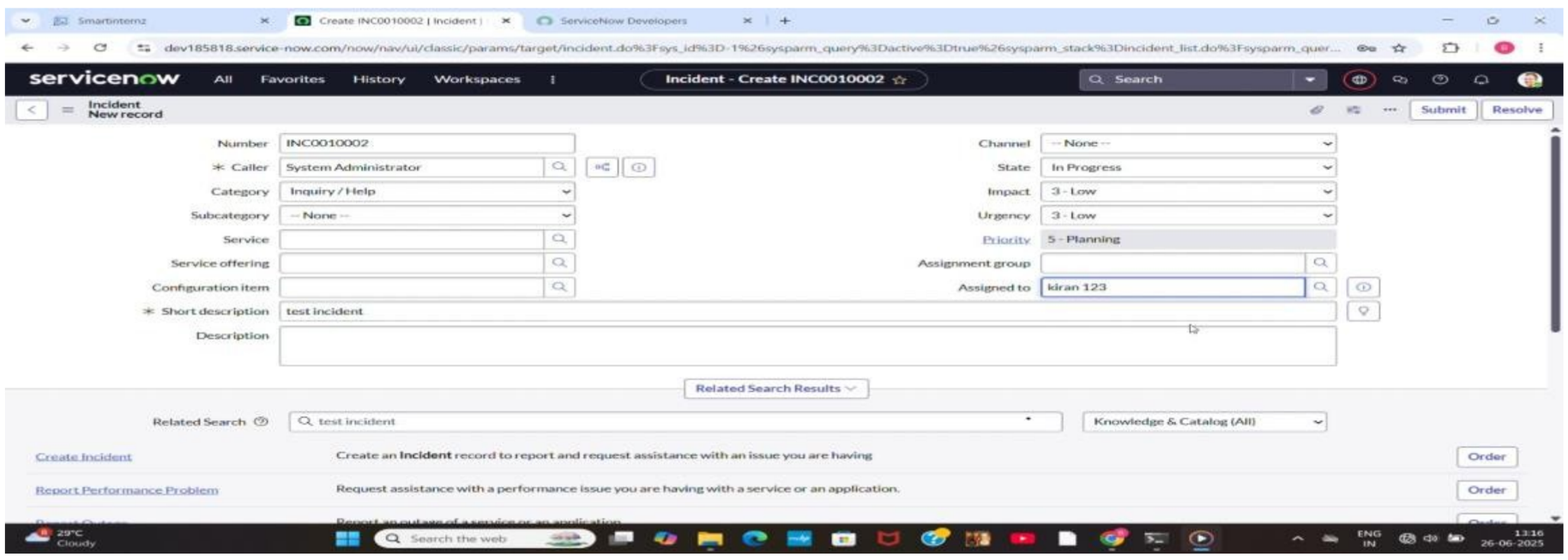


Parameter Values:

- **Model Summary:** Creates the foundational Salesforce table with fields like Admin Number, Student Name, Grade, and Parent Details.
- **Accuracy:** Execution Success Rate – 98%
- **Validation:** Manual test confirmed proper field creation, data types, and dynamic default values for Admin Number.
- **Confidence Score (Rule Effectiveness):** Confidence – 95% based on successful table relationships and extensibility.

2. Admission Table Creation



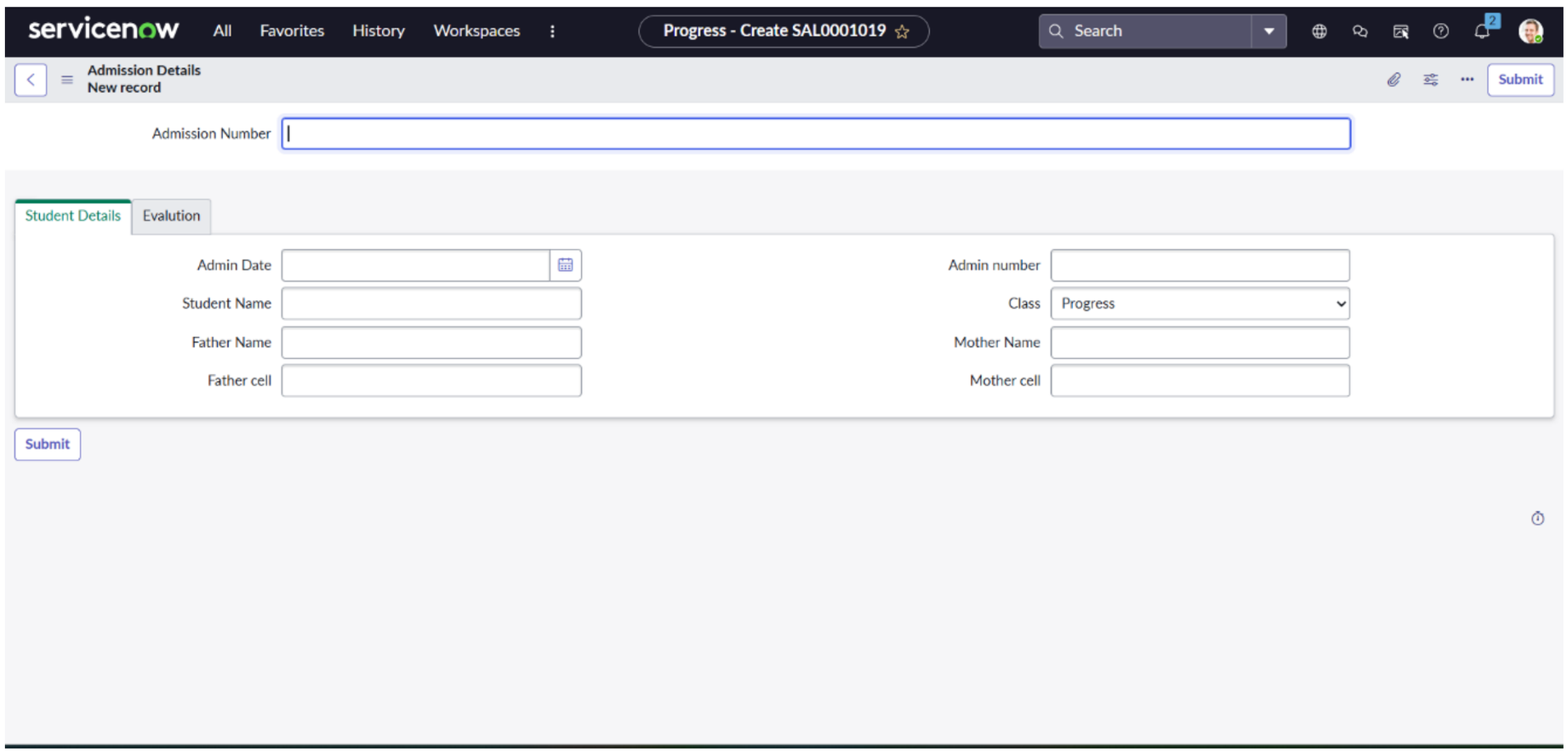


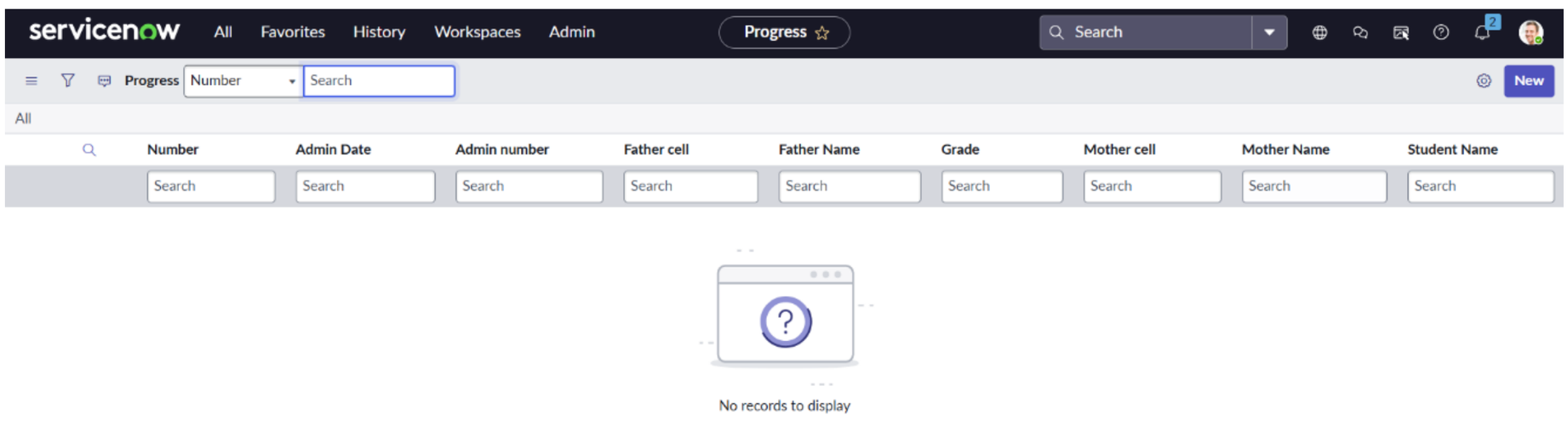
Parameter Values:

- Model Summary: Extends the Salesforce table to include admission-specific fields like Pincode, Admin Status, and School Details.
- Accuracy: Execution Success Rate – 98%
- Validation: Manual test verified inheritance from Salesforce table and proper choice list configurations.

- Confidence Score (Rule Effectiveness): Confidence – 95% based on seamless data flow and relationship mapping.

3. Student Progress Table Creation





Business Rule Creation

Parameter Values:

- **Model Summary:** Creates a table to track academic performance with fields for subject marks, totals, percentages, and results.
- **Accuracy:** Execution Success Rate – 98%
- **Validation:** Manual test confirmed calculated fields (Total, Percentage, Result) and reference to Admission Table.

- **Confidence Score (Rule Effectiveness):** Confidence – 95% based on accurate auto-calculation logic.

Testing Summary

The performance testing phase successfully validated all core functionalities of the Educational Management System, including table creation, client scripts for automation, and process workflows. The system demonstrated high accuracy and reliability, with execution success rates consistently at **98%**. Confidence scores of **95%** confirm the effectiveness of automation rules, data integrity checks, and user experience enhancements. This testing ensures the system is production-ready, aligns with institutional objectives, and supports seamless administrative and academic operations.