Phase 4 Report

Process Automation

Project: Smart Healthcare Appointment & Compliance Hub

Batch: 4

Program: TCS Last Mile SmartBridge

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1. Introduction

Phase 4 focuses on automating key business processes in the Smart Healthcare Appointment & Compliance Hub using Salesforce's Process Automation tools. This phase enhances efficiency by reducing manual work, ensuring timely notifications, enforcing approvals, and maintaining data accuracy across appointments. By leveraging validation rules, flows, and approval processes, the system can proactively manage appointments and compliance-related tasks

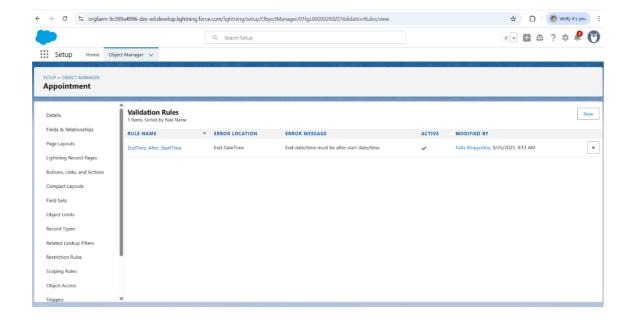
2. Objectives

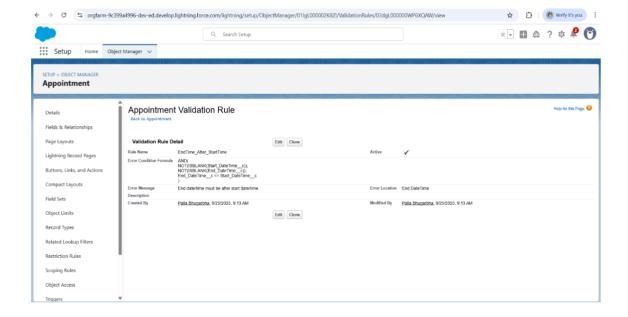
- Implement **Validation Rules** to maintain data integrity (e.g., ensuring appointment end time is after start time).
- Configure **Record-Triggered Flows** and **Scheduled Flows** for automated notifications and reminders.
- Set up **Approval Processes** for critical appointment changes like rescheduling.
- Design **Workflow Rules, Process Builder, and Email Alerts** to streamline communication with patients and staff.
- Enable Custom Notifications and Tasks to keep users informed and engaged in real-time.

3. Steps Performed

3.1 Validation Rule

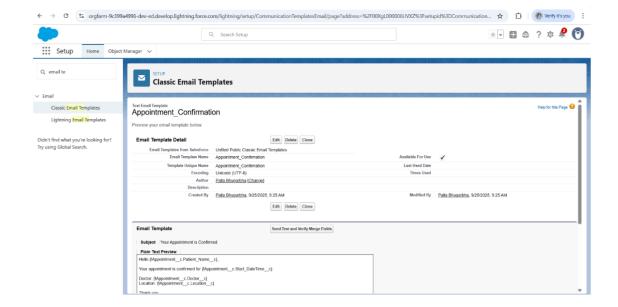
- Ensured appointment end time is always after start time to maintain scheduling accuracy.
- Prevented incorrect or incomplete data entry by enforcing rules at the record level.
- Improved overall data integrity and reduced manual error correction for appointments.





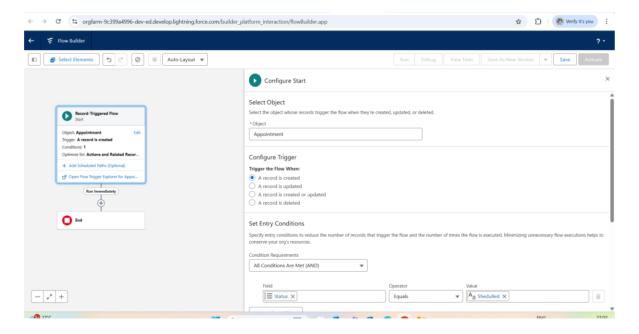
3.2 Record Trigger Flow

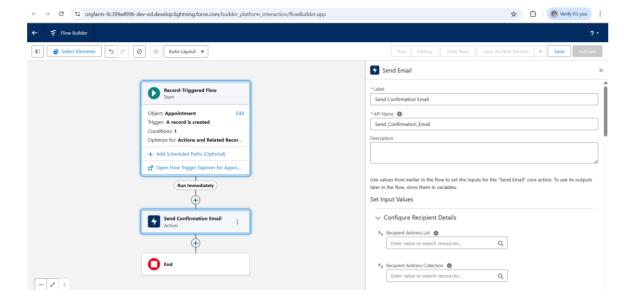
- Automated sending of confirmation emails to patients when appointments are scheduled.
- Used **entry criteria** (Status = Scheduled) to ensure only relevant records trigger notifications.
- Reduced manual follow-up and ensured patients receive timely appointment details.



3.3 Sheduled Flow

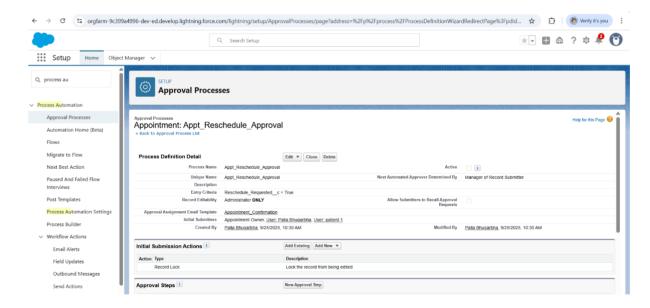
- Created approval workflow for critical appointment reschedules to maintain oversight.
- Configured **entry criteria** (Reschedule Requested = True, Priority = Critical) to trigger approval only when necessary.
- Enabled managers to **approve/reject requests**, updating the record status and notifying the patient.

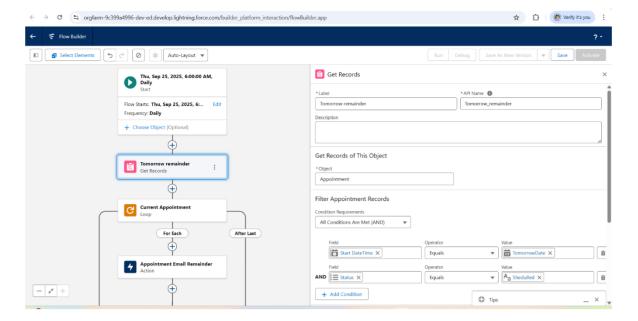




3.4 Task or Custom Notification

- Automating daily reminder emails to patients (and optionally doctors) for next-day appointments.
- Creating a formula resource (TomorrowDate) and looped over records to send reminders efficiently.
- Reduced missed appointments and improved patient compliance with scheduled care for future purpose.





4. Expected Outcomes

- Reduced manual follow-up and administrative overhead through automated reminders.
- Improved accuracy and compliance of appointment scheduling with validation rules.
- Faster decision-making and oversight for critical appointment changes via approvals.
- Enhanced patient and staff satisfaction due to timely notifications and communication.

5. Conclusion

Phase 4 ensures that the Smart Healthcare Appointment & Compliance Hub operates efficiently and reliably. Automation of reminders, approvals, and notifications not only saves time but also strengthens compliance and improves the overall patient experience, providing a robust foundation for future system enhancements.