

Phase 4: Process Automation

Objective

The primary goal of this phase was to automate key business processes within the "Make Parking Easier" application. By implementing automated logic, we significantly improve data integrity, reduce the need for manual user input, and ensure a more efficient and error-free workflow.

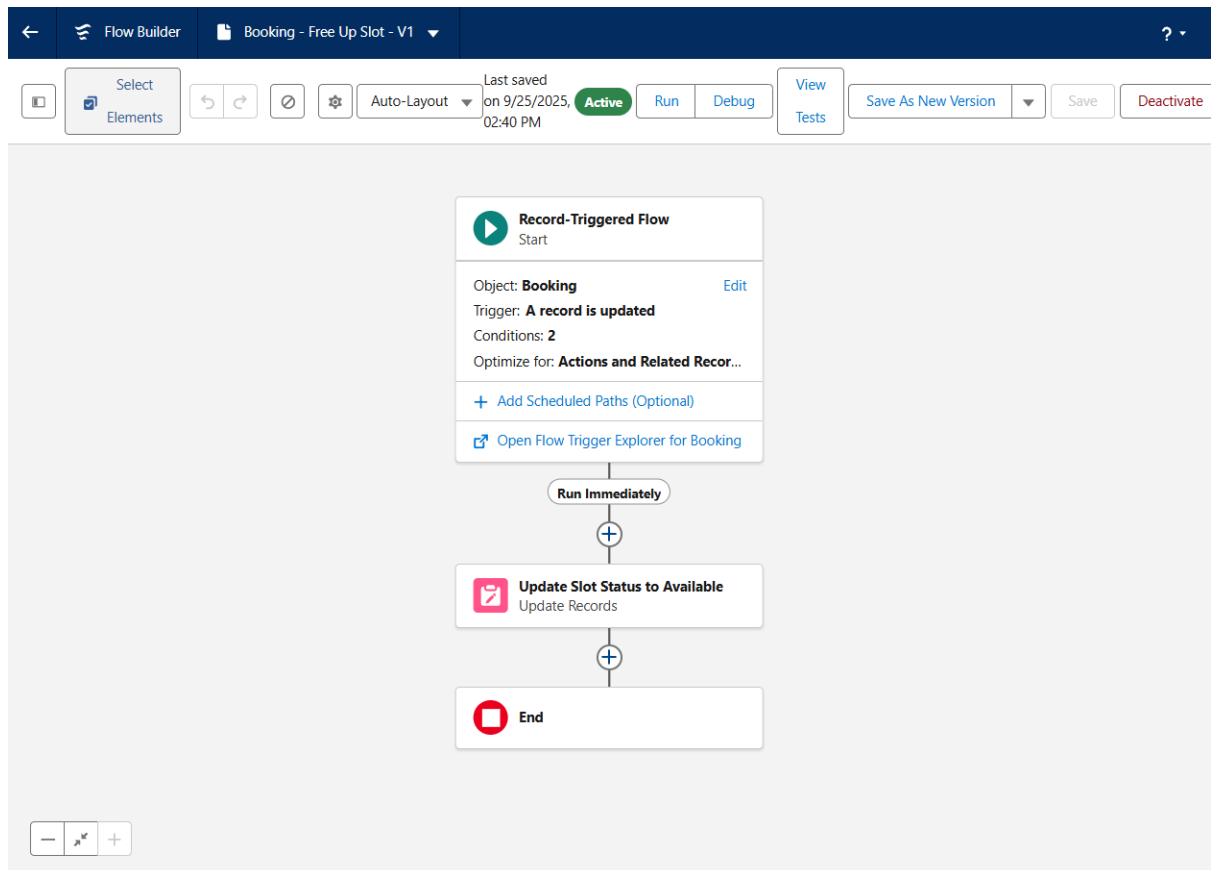
Key Automation Activities

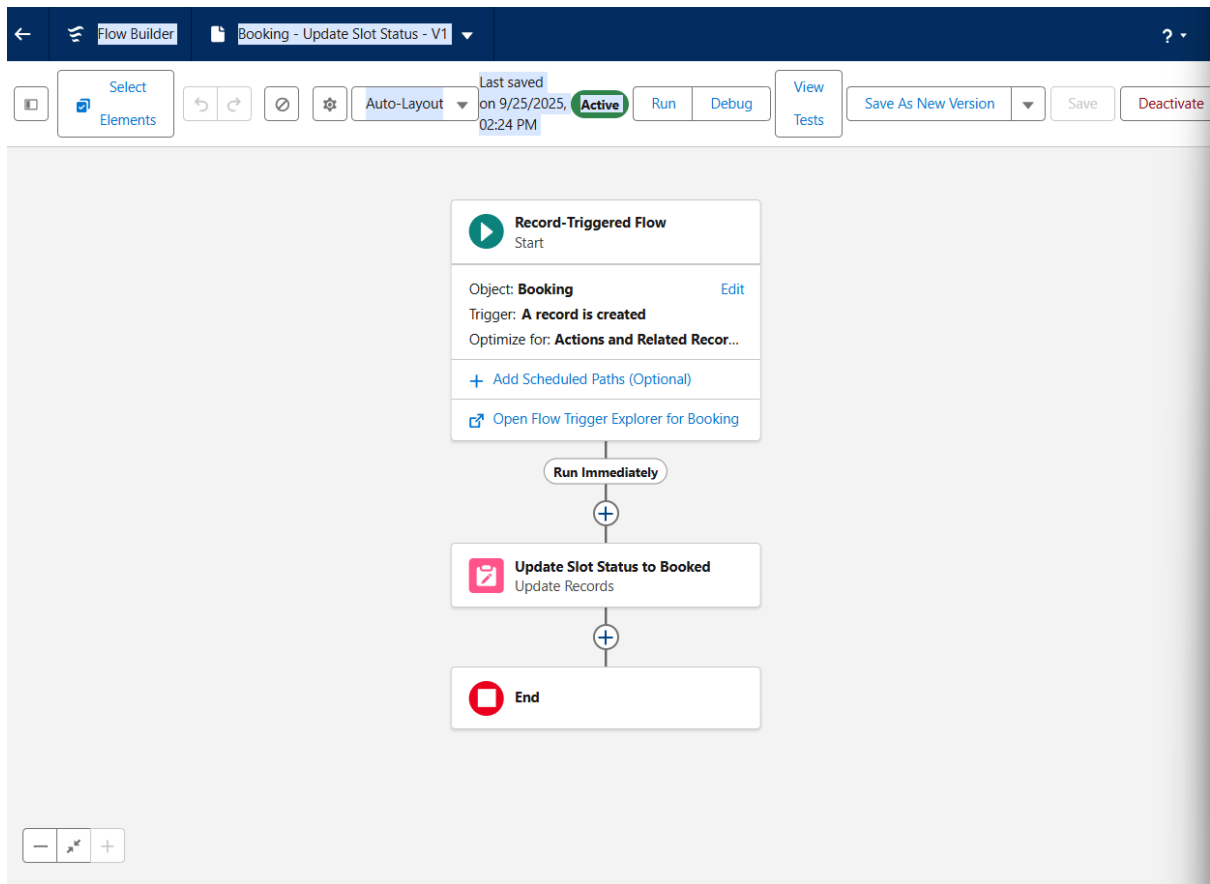
1. Validation Rules To maintain high data quality, validation rules were implemented. A critical example was created on the Booking object to prevent users from creating a booking where the 'End Time' is earlier than the 'Start Time'. This simple but essential validation ensures all booking records are logical and accu

The screenshot shows the Salesforce Setup interface. The top navigation bar includes the Salesforce logo, a search bar labeled "Search Setup", and several utility icons. Below the navigation bar, the "Setup" menu is open, showing options like "Home", "Object Manager", "Details", "Fields & Relationships", "Page Layouts", "Lightning Record Pages", "Buttons, Links, and Actions", "Compact Layouts", "Field Sets", "Object Limits", "Record Types", "Related Lookup Filters", "Restriction Rules", "Scoping Rules", "Object Access", "Triggers", "Flow Triggers", and "Validation Rules". The "Validation Rules" option is selected, leading to the "Booking" object's validation rules page. The page title is "SETUP > OBJECT MANAGER Booking". The main content area is titled "Validation Rules" and shows "1 Items. Sorted by Rule Name". A table lists the validation rules:

RULE NAME	ERROR LOCATION	ERROR MESSAGE	ACTIVE	MODIFIED BY
Prevent_Past_Booking_Dates	Start DateTime	The booking start date cannot be in the past. Please select a future date and time	✓	Sarthak Pachpute, 9/25/2025, 1:49 AM

2. Flow Automation A record-triggered flow was built to handle status updates automatically. When a booking's status changes, the flow automatically finds the related Parking Slot and updates its status accordingly (e.g., to "Occupied" or "Available"). This automation is crucial for ensuring that the real-time availability of parking slots is always accurate and synchronized with active bookings.





Conclusion

Phase 4 successfully introduced intelligent automation into the application. By proactively validating user input and automating core business logic with flows, the system is now more