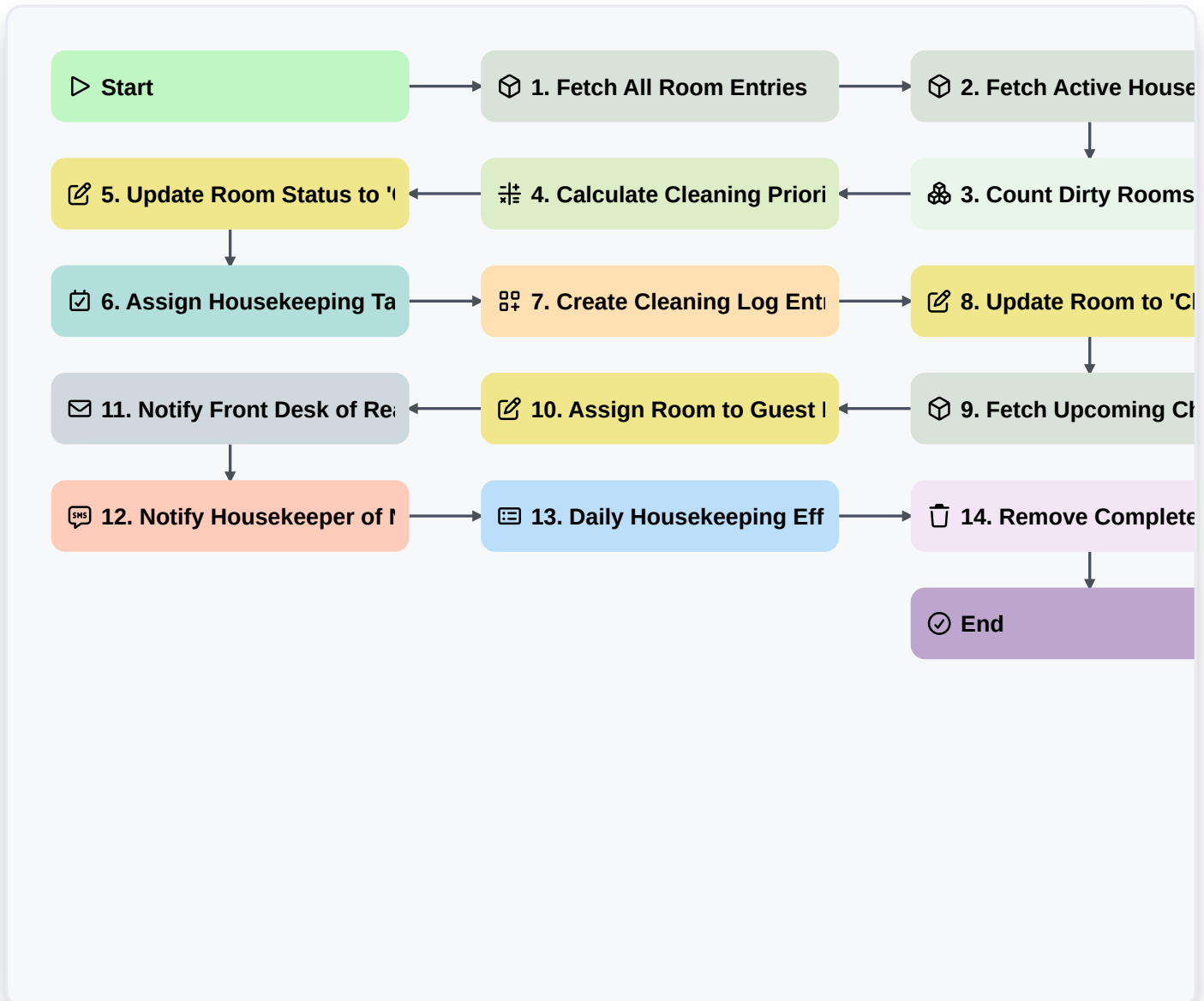


Automated Room Assignment And Housekeeping Status Sync



Start

Start of the Workflow/Process.

1. Fetch All Room Entries

Retrieve all room records from the Room Data Model to check current status and availability.

2. Fetch Active Housekeeping Tasks

Identify all ongoing cleaning tasks currently assigned to staff to prevent overlapping schedules.

3. Count Dirty Rooms

Aggregate the number of rooms where the 'Status' field is set to 'Dirty' or 'Needs Cleaning'.

4. Calculate Cleaning Priority Score

Apply a formula based on 'Time Since Last Cleaned' and 'Expected Check-in Time' to prioritize rooms.

5. Update Room Status to 'Cleaning in Progress'

Change the status of a specific room entry to 'In Progress' once a staff member accepts the task.



6. Assign Housekeeping Task

Create a new task for the Housekeeping Staff member containing the room number and cleaning checklist.

7. Create Cleaning Log Entry

Generate a new entry in the Housekeeping Logs data model to track the start time of the cleaning session.

8. Update Room to 'Clean/Ready'

Update the room data model entry to 'Ready' once the checklist is completed.

9. Fetch Upcoming Check-ins

Retrieve guest reservation entries to identify which 'Ready' rooms are needed next.

10. Assign Room to Guest Reservation

Update the Guest Reservation entry with the specific Room ID to finalize the assignment.

11. Notify Front Desk of Ready Room

Send an automated email to the Front Desk team notifying them that a specific room is now available for check-in.

12. Notify Housekeeper of New Assignment

Send an SMS alert to the assigned housekeeper when a high-priority cleaning task is created.

13. Daily Housekeeping Efficiency Report

Generate a report summarizing total rooms cleaned, average cleaning time, and pending dirty rooms.

14. Remove Completed Task Entry

Remove the temporary task-assignment record from the active queue once the room is marked 'Ready'.

End

End of the Workflow/Process.