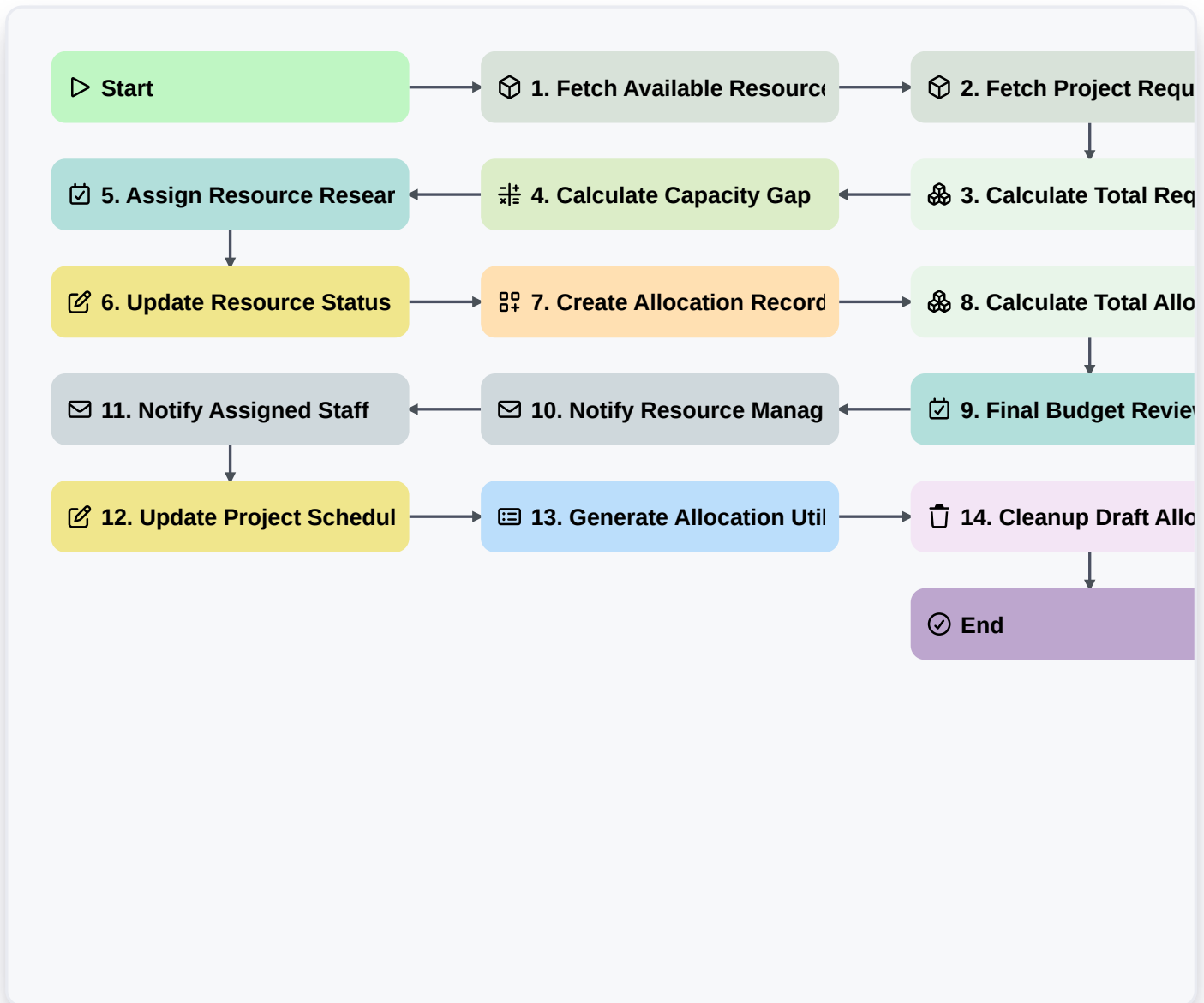


Project Resource Allocation Process



▷ Start

Start of the Workflow/Process.

📦 1. Fetch Available Resources

Retrieve all personnel entries from the Resource Data Model where status is 'Available'.

📦 2. Fetch Project Requirements

Retrieve the specific skill requirements and required hours from the Project Data Model.

🧮 3. Calculate Total Required Hours

Sum the 'Required Hours' property from the Project Requirements entries to determine total workload.

🧮 4. Calculate Capacity Gap

Subtract 'Total Required Hours' from 'Total Available Resource Hours' to identify if more staff is needed.

📝 5. Assign Resource Researcher

Create a task for the Resource Manager to match specific skills to the project needs.

📝 6. Update Resource Status

Update the status of a selected resource from 'Available' to 'Reserved' in the Resource Data Model.



7. Create Allocation Record

Create a new entry in the 'Allocations' Data Model linking the Resource, Project, and Date Range.

8. Calculate Total Allocated Cost

Sum the 'Hourly Rate' of all resources assigned to this specific project entry.

9. Final Budget Review

Create a task for the Finance Controller to approve the cost of the allocated resources.

10. Notify Resource Manager

Send an email to the Resource Manager with the summary of the new allocation.

11. Notify Assigned Staff

Send an email to the assigned employee informing them of their upcoming project commitment.

12. Update Project Schedule

Update the 'Resource Confirmed' checkbox in the Project Data Model to true.

13. Generate Allocation Utilization Report

Create a report showing the percentage of resource utilization across all active projects.

14. Cleanup Draft Allocations

Delete any temporary or unapproved allocation entries created during the planning phase.

End

End of the Workflow/Process.