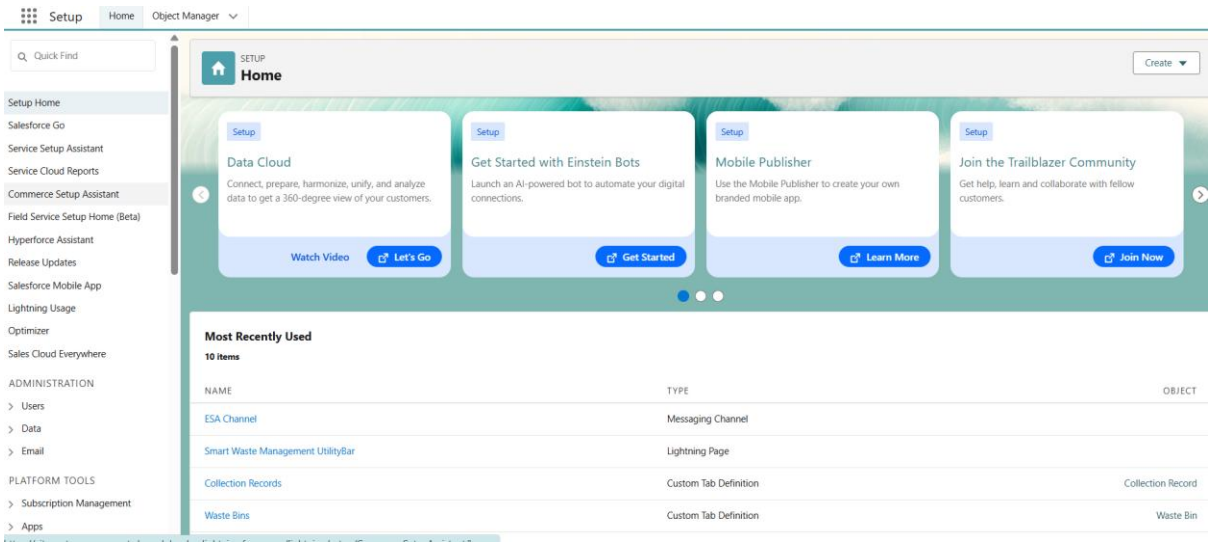
Smart Waste Management Tracker – Salesforce Project
Phase 4: Automation – Record-Triggered Flow

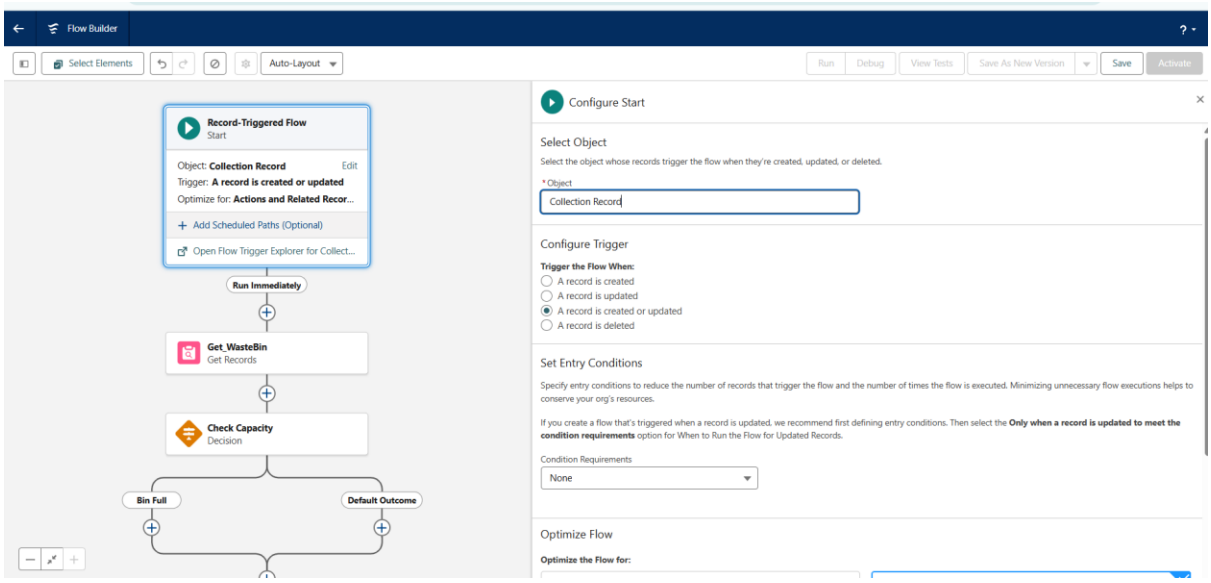
Step 1: Goal of Phase 4

- Automate WasteBin status update when a CollectionRecord is created or updated.
- Reduce manual work and ensure accurate bin status tracking.
  Expected Outcome: Collection of records automatically updates the corresponding WasteBin status.



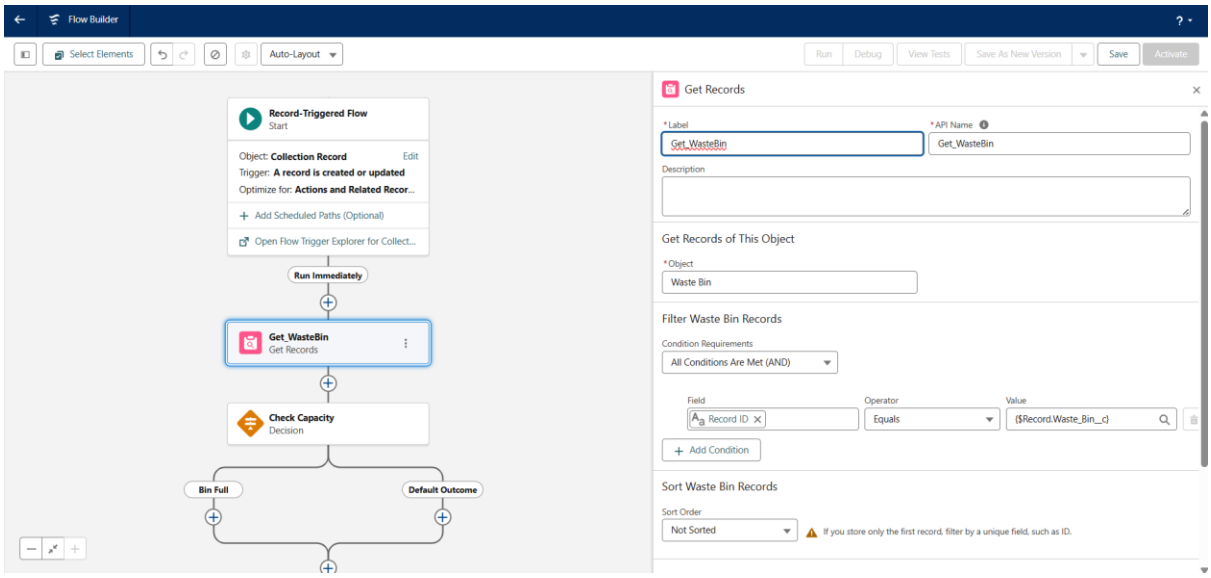
Step 2: Create Record-Triggered Flow

- Setup → Process Automation → Flows → New Flow → Record-Triggered Flow.
- Select **Object:** CollectionRecord__c
- Trigger the flow: **A record is created or updated**
- Entry Conditions: **None** (or as per requirement)
- Optimize Flow for **Fast Field Updates**



Step 3: Get WasteBin Record

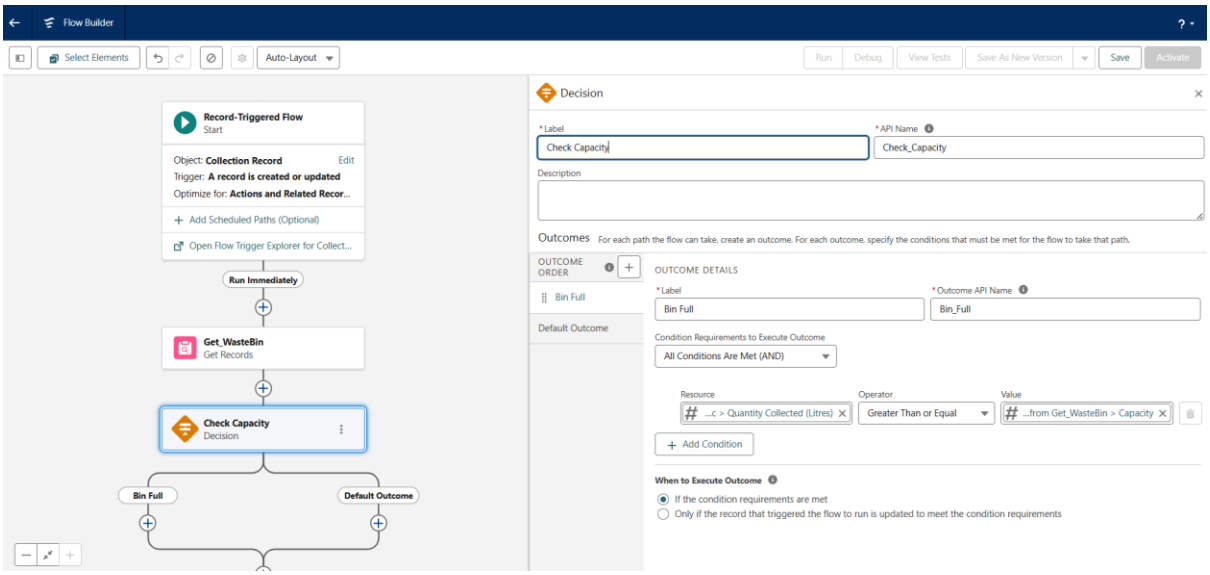
- Add **Get Records** element → Label: Get_WasteBin
- Object: WasteBin__c
- Condition: Id = {!$Record.WasteBin__c} (lookup from triggering CollectionRecord)
- Store all fields → Only the first record



Step 4: Check Bin Capacity (Decision Element)

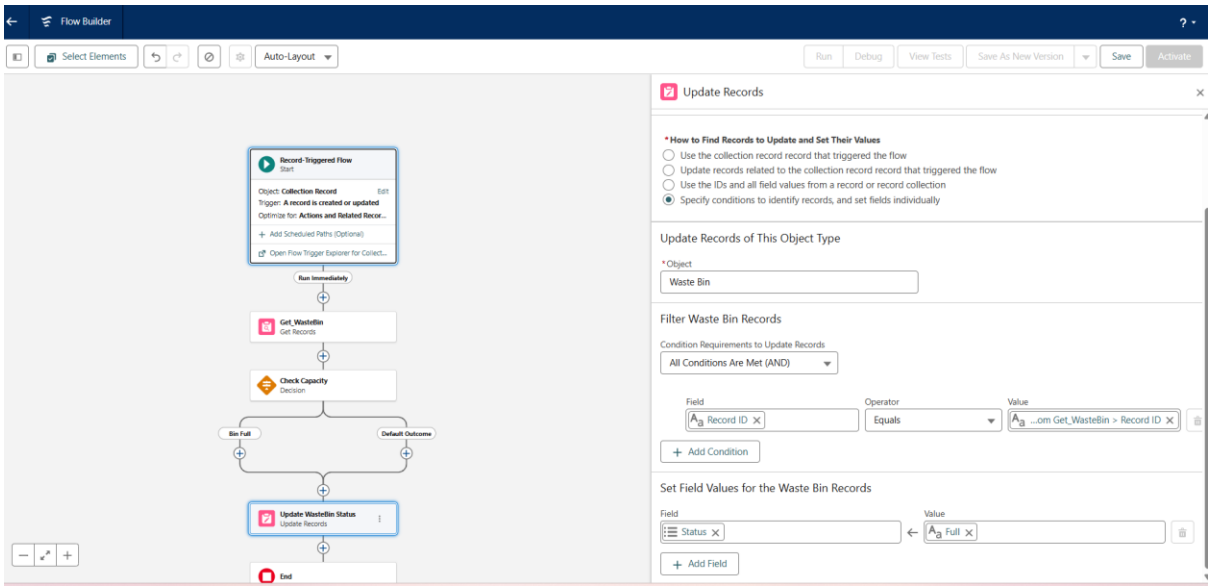
- Add **Decision** → Label: Check Capacity
- Outcome 1: Bin Full → Condition: {$Record.Quantity_Collected__c} >= Capacity__c

- Outcome 2: Default Outcome → Any other case



Step 5: Update WasteBin Status

- Add **Update Records** → Label: Update_WasteBin_Status
- Record to update: Waste Bin from Get_WasteBin
- Set Field Values:
    - Field: Status__c
    - Value: Full (or based on logic)

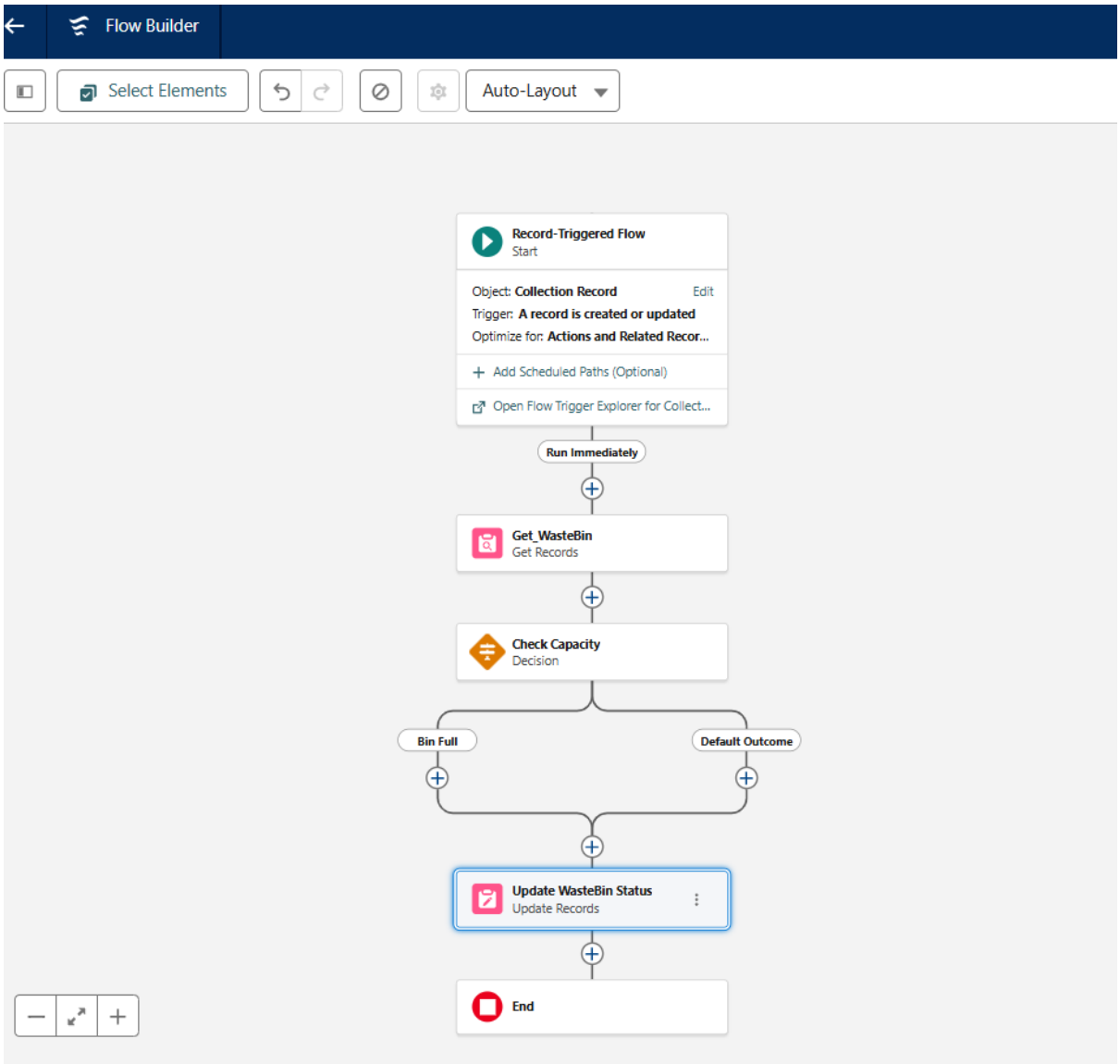


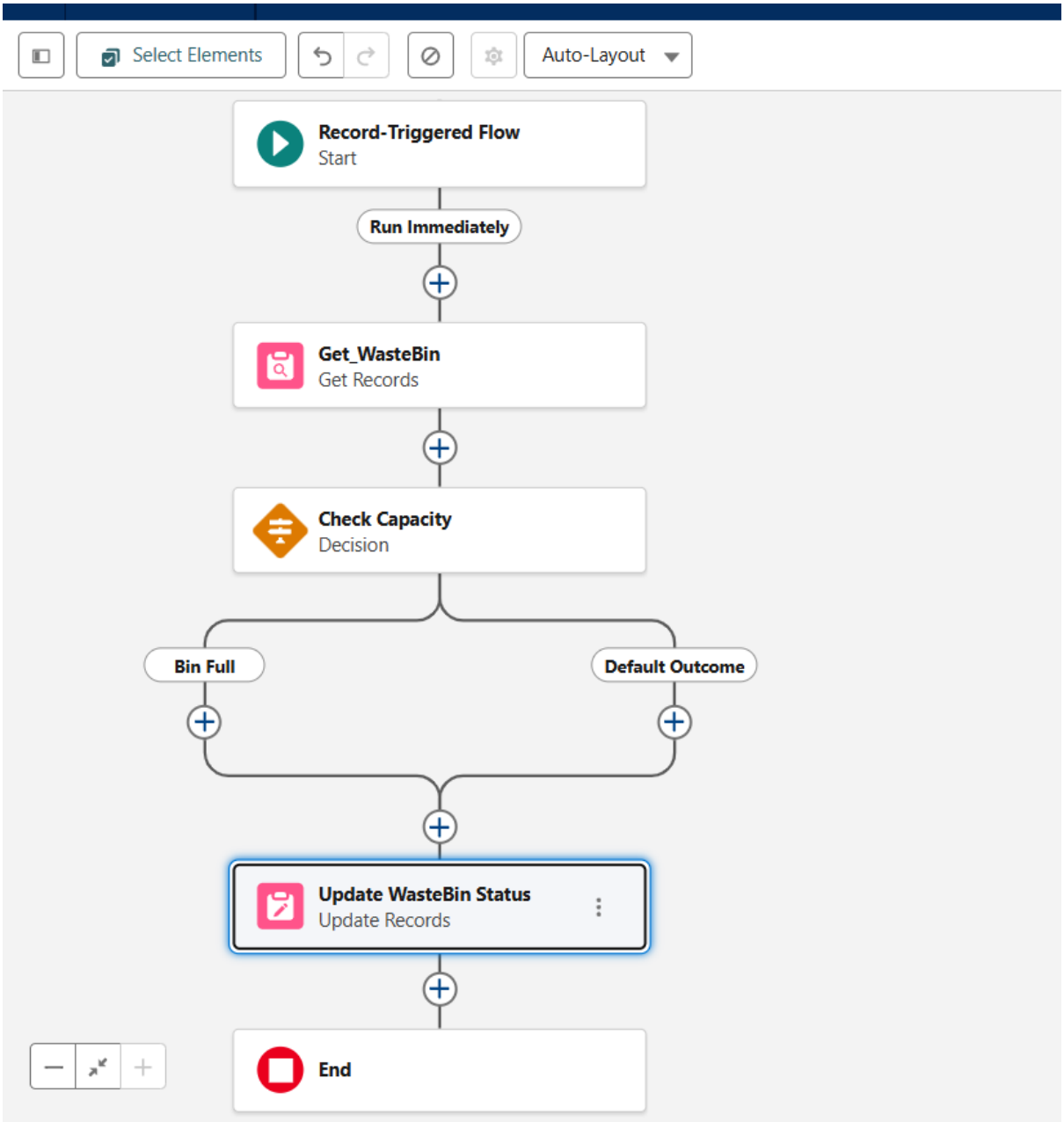
Step 6: Connect Flow Elements

- Start → Get_WasteBin → Check Capacity → Update_WasteBin_Status → End
- Connect both decision outcomes if needed

Step 7: Save & Activate Flow

- Flow Label: Update Waste Bin Status
- API Name: Update_Waste_Bin_Status
- Description: "Automatically updates WasteBin__c status to Full when CollectionRecord__c is created/updated"
- Save → Activate





Expected Outcome (Phase 4 Completion)

- WasteBin status automatically updates based on CollectionRecord quantity.
- Reduces manual errors and improves operational efficiency.
- Flow ready for testing in Sandbox/Dev Org.