

## Data Flow Diagram

**Title:** Data Movement and Interaction in the Jewel Management System

### Objective:

To map the flow of data between entities in the system to ensure consistency, traceability, and integrity across processes.

### Entities:

- Jewel Customer (core customer object)
- Item (Gold/Silver objects with item details)
- Price (associated with item based on type and weight)
- Customer Order (captures purchases)
- Billing (automatically generated from order)

### Flow Description:

1. Admin or Salesperson creates a Jewel Customer record.
2. A new Item is added or linked (Gold or Silver).
3. The Customer Order object connects the customer and item with additional details (quantity, ornament type).
4. Price is auto-fetched based on weight and type.
5. A Billing record is generated with the total amount, using a record-triggered Flow.
6. Reports and Dashboards fetch data across all modules to provide summaries.

### Visualization:

**Jewel Customer**



**Customer Order ← Item ← Price**



**Billing → Reports & Dashboards**