

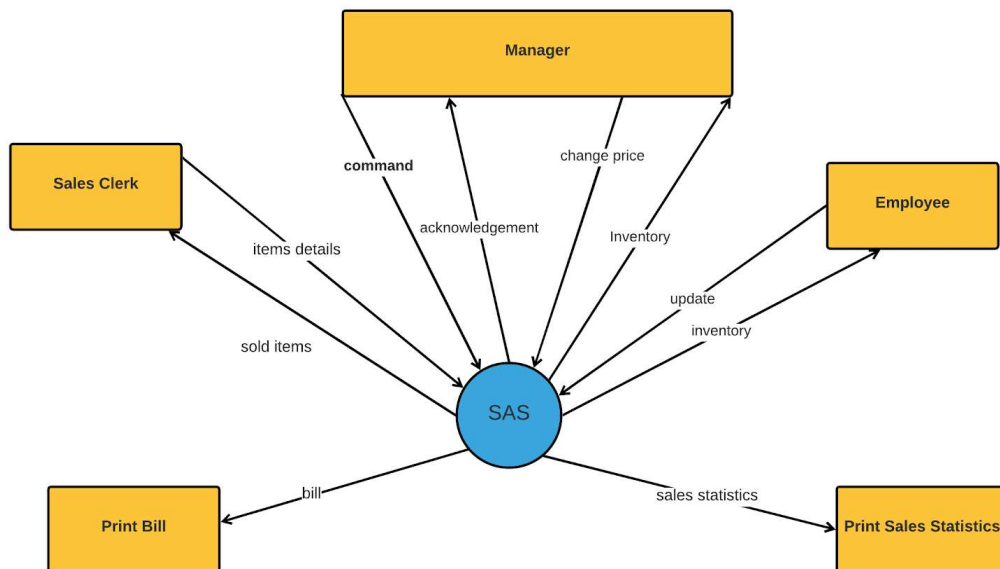
# **Structured Analysis and Structured Design**

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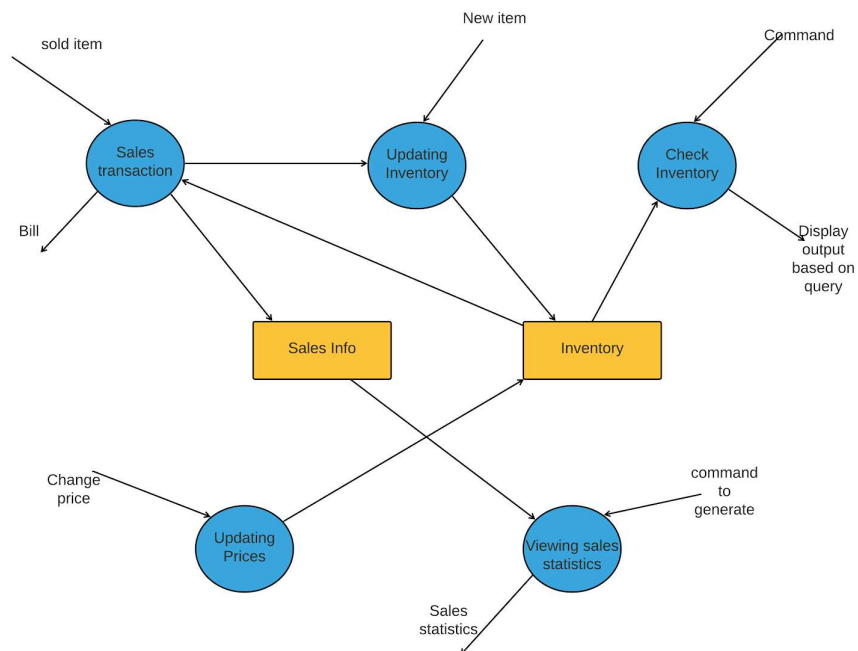
1. Data Flow Diagram
  - a. Level-0
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# 1. DFD

## a. Level - 0



## b. Level - 1



## 2. Data Dictionary

### a. Users

Column Name	Data type	Constraint
UserId	varchar	Primary Key
Name	varchar	Not null
Role	varchar	Not null
Gender	varchar	Not null
Password	varchar	Not null

### b. Sales Transaction

Column Name	Data type	Constraint
TransId	varchar	Primary Key
ProductId	varchar	Foreign Key
Product name	varchar	Not null
Price	float	Not null
Date	date	Not null
Quantity	int	Not null
Total Price	float	Not null

c. Product

Column Name	Data type	Constraint
ProductId	varchar	Primary Key
Product name	varchar	Not null
CategoryId	varchar	Foreign Key
Stock	int	Not null
Base Price	float	Not null
Selling Price	float	Not null

d. Category

Column Name	Data type	Constraint
CategoryId	varchar	Primary Key
Category name	varchar	Not null

### 3. E-R Diagram

