

# DFD & Structured Chart

## Levi – Smart Fast Food Billing System

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### 1. DFD LEVEL 0 (Context Diagram)

#### External Entities:

- Admin
- Cashier
- Customer

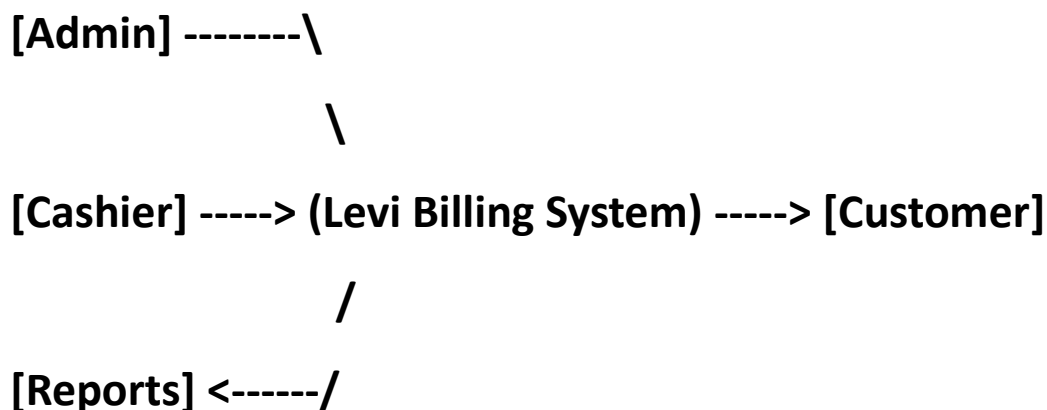
#### Single Process:

- Levi – Fast Food Billing System

#### Data Flow:

- Admin → Food details, price updates, stock info
- System → Reports, inventory status
- Cashier → Order details, payment info
- System → Invoice, bill amount
- Customer → Order & payment
- System → Bill/receipt

#### Diagram:



## 2. DFD LEVEL 1 (Detailed Diagram)

### Processes:

1. Authentication Process
2. Food Management
3. Order Processing
4. Billing & Payment
5. Inventory Management
6. Report Generation

### Data Stores:

- D1: Food Database
- D2: Order Database
- D3: Payment Database
- D4: Inventory Database

### Flow Explanation:

#### **1** Authentication

- Admin/Cashier → Login credentials
- System → Access granted/denied

#### **2** Food Management (Admin)

- Admin → Add/Update food
- Food Database ← Food details

#### **3** Order Processing (Cashier)

- Cashier → Select food items
- Order Database ← Order details

#### **4 Billing & Payment**

- Order data → Billing process
- Payment details → Payment DB
- Invoice → Cashier / Customer

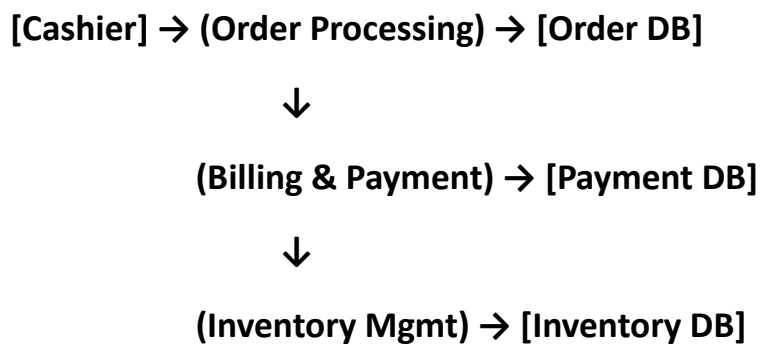
#### **5 Inventory Management**

- Order confirmed → Reduce stock
- Inventory DB updated

#### **6 Reports**

- Admin → Request report
- System → Fetch data from DB
- Report shown to Admin

### **Diagram**



[Admin] → (Food Management) → [Food DB]

[Admin] → (Report Generation) ← All DBs

### 3. STRUCTURE CHART

#### ◆ Sub-Modules:

Levi Fast Food Billing System

