Requirement Analysis

Data Flow Diagram

Date	02/11/2025
Team ID	NM2025TMID03478
Project Name	Laptop Request Catalog Item
Maximum Marks	4Marks

Data Flow Diagram

- **Entities:**
    - **Employee (User)** → submits laptop request
    - **Manager** → approves or rejects request
    - **IT Admin** → manages deployment and fulfillment
- **System:**
    - **ServiceNow Laptop Request System** → processes and tracks all requests

Data Flows:

- Employee → Request Form (Laptop Request Details)
- System → Manager (Approval Request)
- Manager → System (Approval Decision)
- System → IT Admin (Deployment Task)
- System → Employee (Request Status Notification)

```
Employee ──→ Submit Laptop Request          Approval Notification        IT Admin

                      │ Laptop Request Details                              ↑
                      │                                                     │ Approval Request
                      ↓                                                     │
Employee ─── Retrieve Record ──→ Validate Request (UI ──→ Approval Workflow
                                     Policy)
                                        │                                   │
                                        ↓                                   ↓
                                 Approval Records                       Manager

                                        │ Request Status Notification
                                        ↓
                                 Notification System
```

Employee

Submit Laptop Request

Approval Notification

IT Admin

Laptop Request Details

Retrieve Record

Validate Request (UI Policy)

Approval Request

Approval Workflow

Approval Records

Manager

Request Status Notification

Notification System