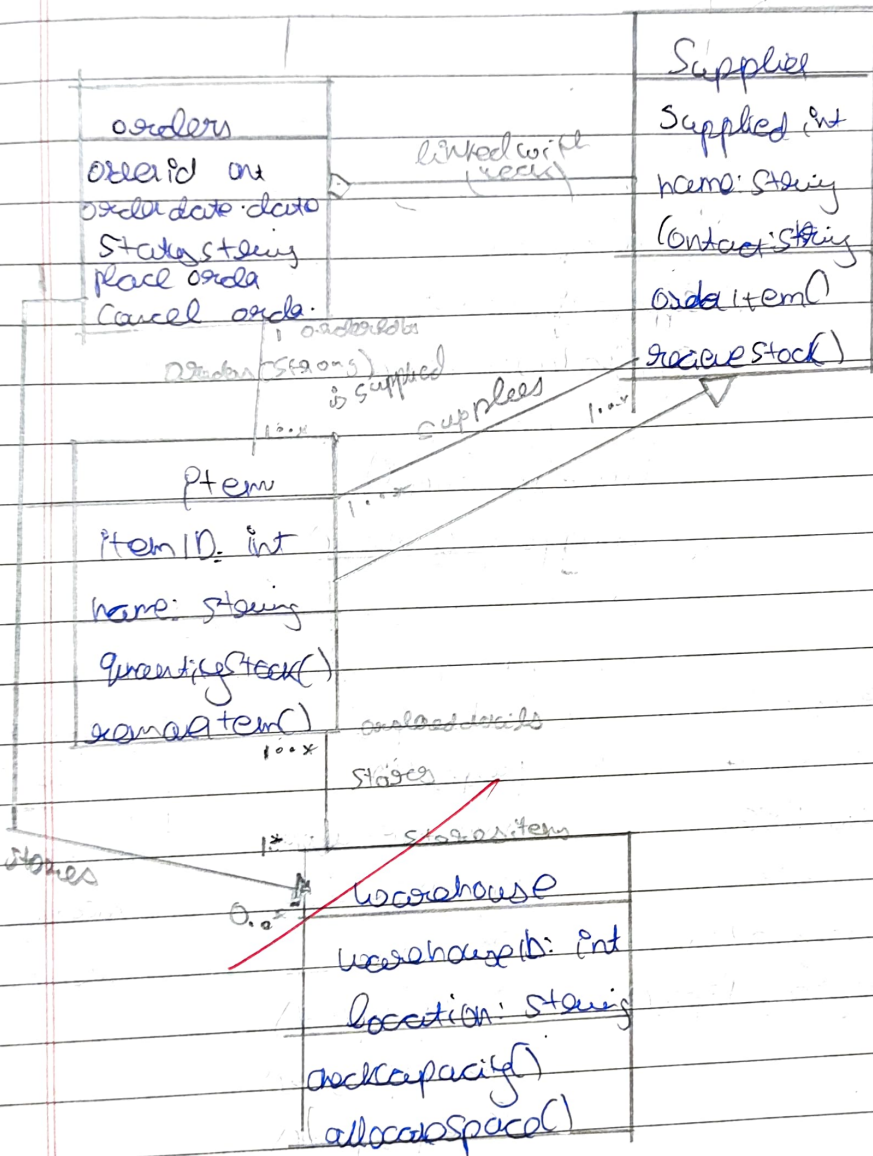


store
67

Stock management System

order Details
orderDate date
deliveryDate date
quantity Orderer^{cut}



order status
placed
shipped
delivered
cancelled

7. non-functional Attributes.

Security: Role based access control

Reliability: 99.9% uptime

Scalability: Support growing SKUs

Maintainability: Easy updates & integration of new features.

⑧. Schedule & budget

Budget ₹10,00,000

duration 5 months

Requirement elicitation: 0.5 month

design: 1 month

development: 2.5 month

Testing 0.5 month

deployment & user training 0.5 months

3 functional requirements

- Stock tracking: real time update on Stock movements
- Purchase order generation: Auto - create order when stock low
- Multi location management
- Inventory reports
- Stock Alerts which are low or more
- Stock Adjustment: damaged expired

4 Interface requirements

User interface: web & maintain supplier
mobile interface for all users & all access
levels.

POS System: Integrate to track stock changes automatically.

Supplier APIs: Connects for order management & delivery updates.

ERP System (Optional)

5 Performance Requirements

2000 Simultaneously stocks
update stocks levels within 2 seconds of any
transaction.

Support 10,000 SKU entries across locations.

6 Design constraints

use python & SQL

data security & privacy

cloud hosted for real time data synchronization

Software Specification Requirements of Stock maintenance System (SMS)

Introduction

1.1 Purpose of this document

The requirements for the stock maintenance System serving as a guide for developer and stake-holder to ensure alignment on functionalities performance expectations and overall system design.

1.2 Scope of this document

The SMS will ~~stream~~ carry out inventory management track stock levels & handle replenishments for businesses. Estimated development cost: \$ 100,000. project timeline 5 month.

1.3 Overview

SMS manages stock levels automates inventory updates and supports purchase order creation for businesses of various sizes. It provides real time stock visibility and minimize disruptions.

2 general description

SMS tracks & manages stock across locations generates reports & automates purchase orders. Check for out of stock & low stocks, features stock tracking automated restocking inventory reports.