4) Stock Maintenance System

1. Introduction

1.1 Purpose:- This document describes requirement for stock Maintenance System. This system will help bussinesses to keep track of restock levels & stock movement in real-time.

1.2 Scope:- System will automate management for bussineses; helping them maintain optimal stock levels, provide insights into stack usage

1.3 Overview:- This system will enhance stock visibility & streamline reslocking processes providing real-time updates on stock levels and movements.

2. General Description

- ⚬) It allows bussineses to track stock levels.
- ⚬) will reduce manual errors and improve decision making by providing real-time data on stocks

3. Functional Requirements :- System can —

- ⚬) Add, update and remove stock items.
- ⚬) Automatically generate orders for low stocks.
- ⚬) Generate reports on stock usage
- ⚬) Notify users when stock reaches reorder levels.

4. Interface requirements :-

- ⚬) Intuitive dashboard for monitoring stock levels.
- ⚬) Search formalities for locating specific stock items.
- ⚬) Mobile-friendly interface

5. Performance Requirement :- Real-time updates on stock with max delay of 5 seconds.
- ⚬) Support for large bussineses to handle thousands of stock items.
- ⚬) Downtime should be less than 1 hour per month.

6) Design Constraints :- Constraints on tracking items with expiration dates.

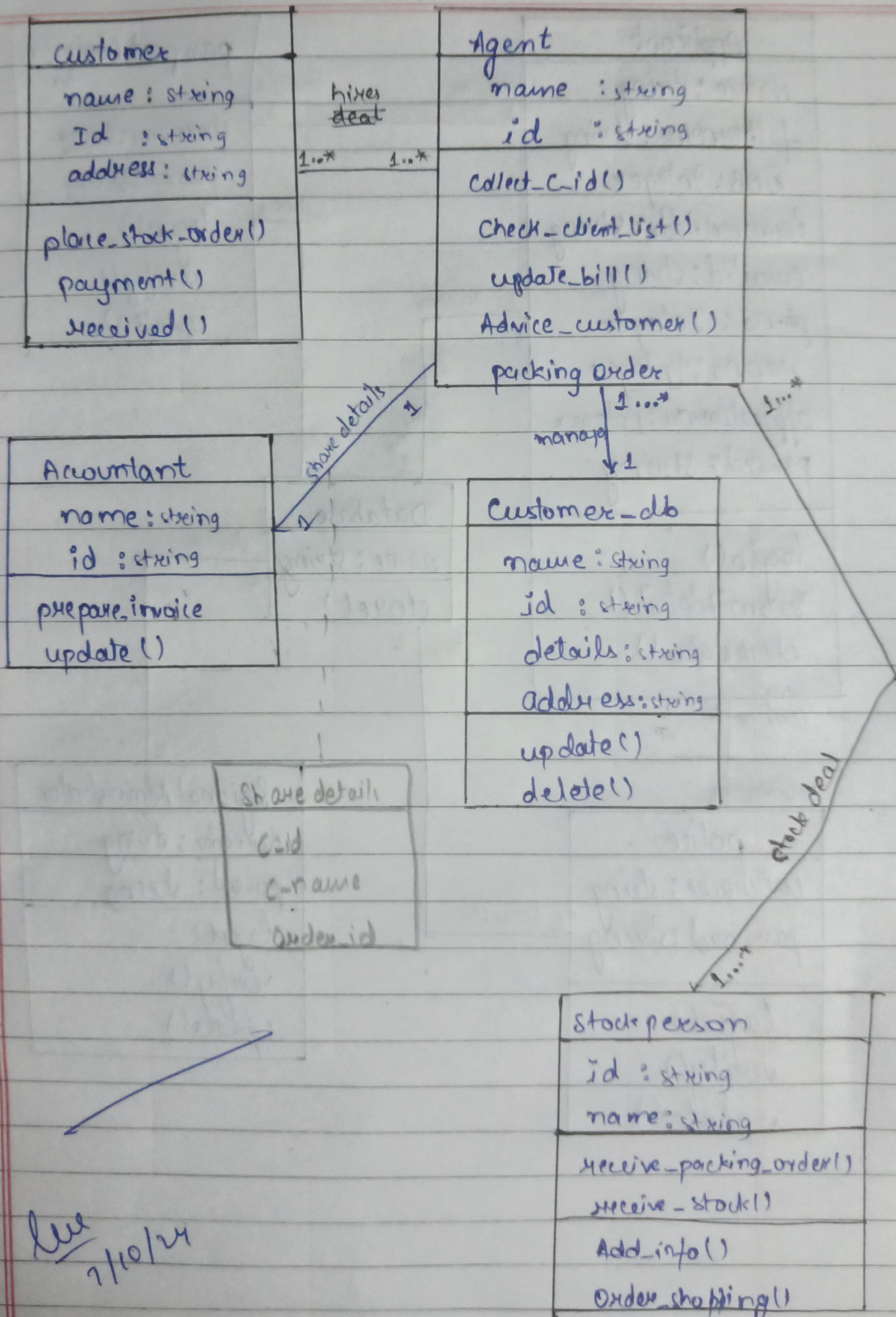•) Scalable to accomodate additional items/purchases in future.

7) Non-fxrnal Requirements:-
•) Data encryption and secure access.
•) The system should provide 24/7 uptime.
•) should be accessible from mobile and desktop devices.

8. Preliminary schedule

Estimated Development = 8 months

Estimated Budget = $75,000

4. <u>Stock Maintenance System</u>

Customer

name : string
Id : string
address: string

place_stock_order()
payment()
received()

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hires
deal
1..*   1..*

Agent

name : string
id   : string

collect_c_id()
Check_client_list()
update_bill()
Advice_customer()
packing order
          1...*

manage
    ↓ 1

1...*

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share details   1

Accountant

name : string
id : string

prepare_invoice
update ()

Customer_db

name : string
id : string
details : string
address : string
update ()
delete()

Share details

c_id
c_name
order_id

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stock deal

1...*

Stock person

id : string
name: string

receive_packing_order()
receive _stock()
Add_info ()
Order_shopping()

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