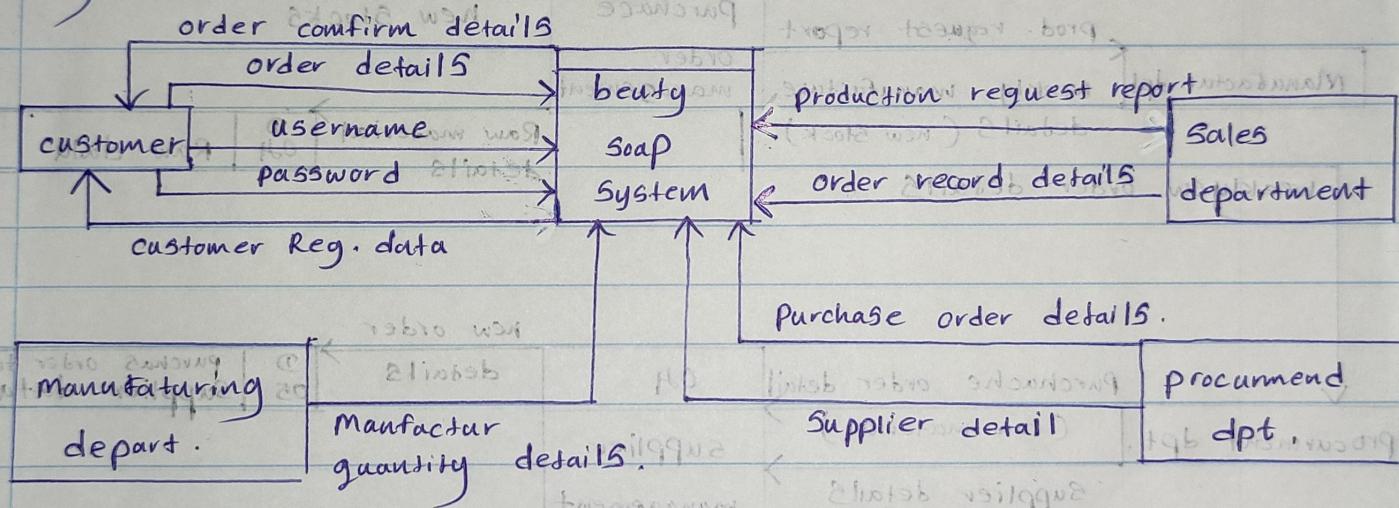


## \* business case beauty Soap manufacturer System.

- 01) i). customer (supermarkets)  
• manufacturer department  
• sales department  
• procurement department

- 3) • System login and register with the system  
• place order (managing)  
• purchase order (managing) • Supplier management

## Context level DFD,



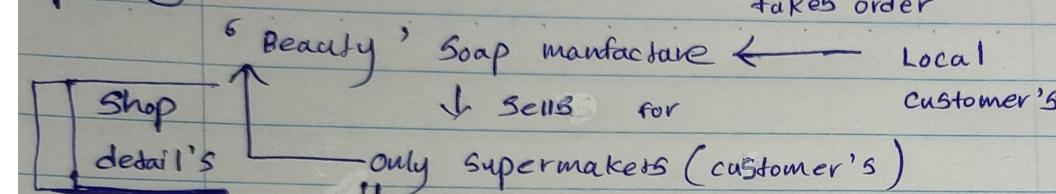
~~stab 111~~ Level 0 DFD → next page.

Environ Biol Fish (2007) 79:1–10

b. 1997

20.2 | 20.3 (Soap)

para 1



customer data

①

System logging

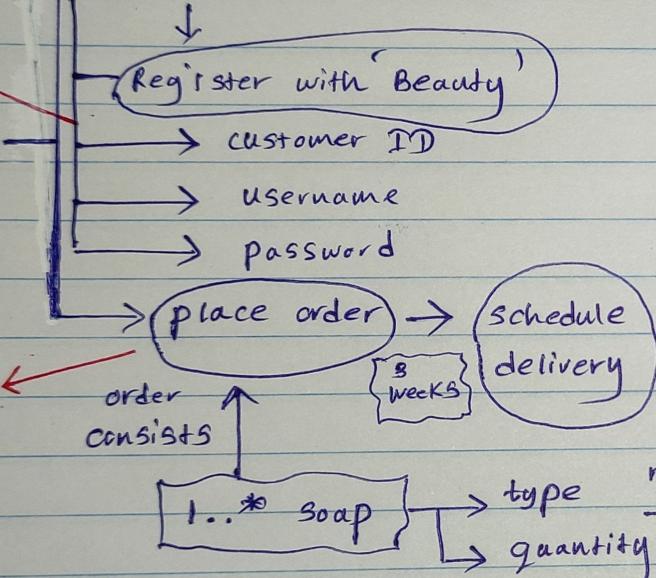
username

password

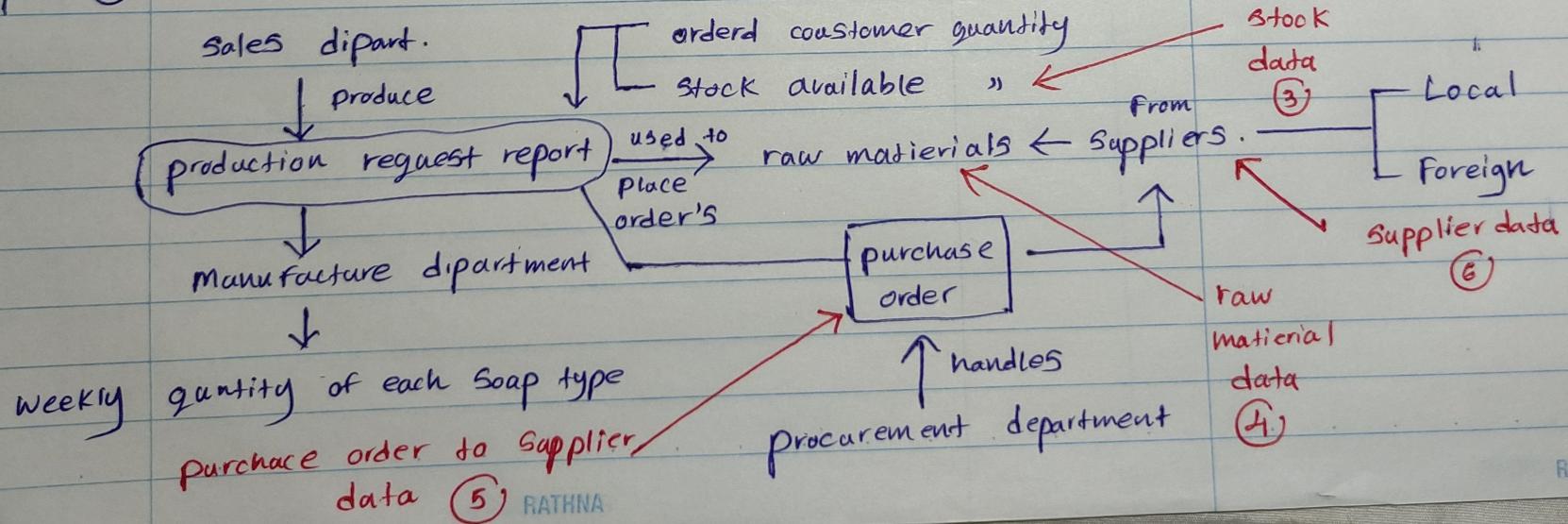
customer order

data

②



para 2



RATHNA

1)

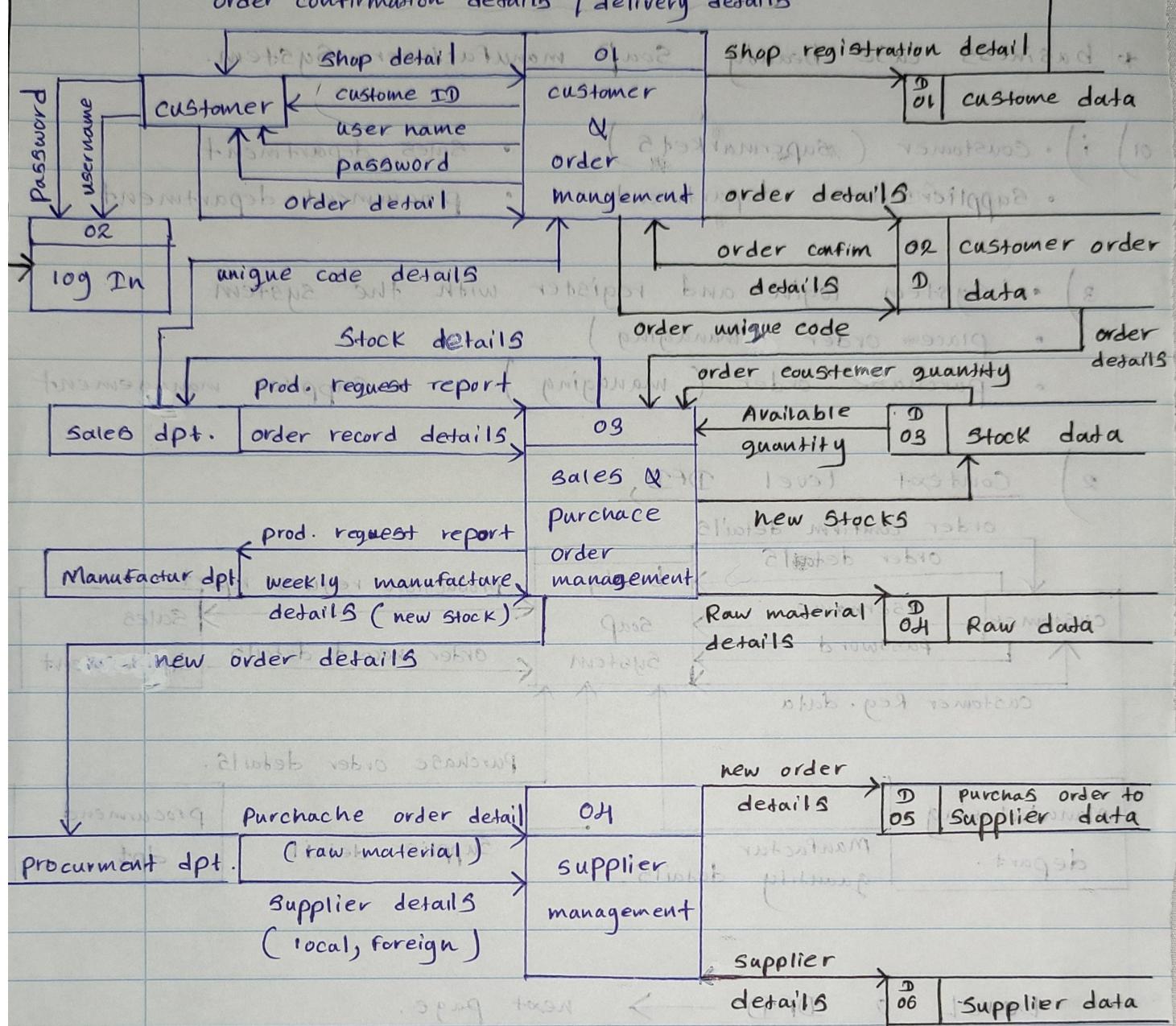
## Customer Log In details

2)

Date: \_\_\_/\_\_\_/\_\_\_

p.g.

order confirmation details / delivery details

QUESTION 02

- 1) • customer                      • Department                      • Raw material  
  • order                            • Stock                            •  
  • deliver                        • report                        •  
  • Supplier                        • purchase order

- 2) customer → - ID : string                      + Add customer( )  
     - Username : String                      + delete " " ( )  
     - Password : String                      ↓

class name

Attributes

method (functions)

Atlas

(crud operation)

## Question 02.

(3)

P.g.

	Attributes	Method
Order →	- order type: string batch No: int	+ Add order() + delete order()
Supplier →	- Name: String - type: "	+ Add supp.() + delete supp.()
Department →	- Name: String - ID: int	+ Add Dep.() + Remove Dep.()
Stock →	- Name: String - Type: "	+ Add Item() + issue item()
Report →	- ID: int - order: String	+ Add report() + Delete report()
purchase order →	- Order NO: int - Name: String	+ create order() + delete order()
Raw material →	- Type: String - Name: String ID: int	+ Add material() + issue "()" + delete "()"

↑                      ↑                      ↑

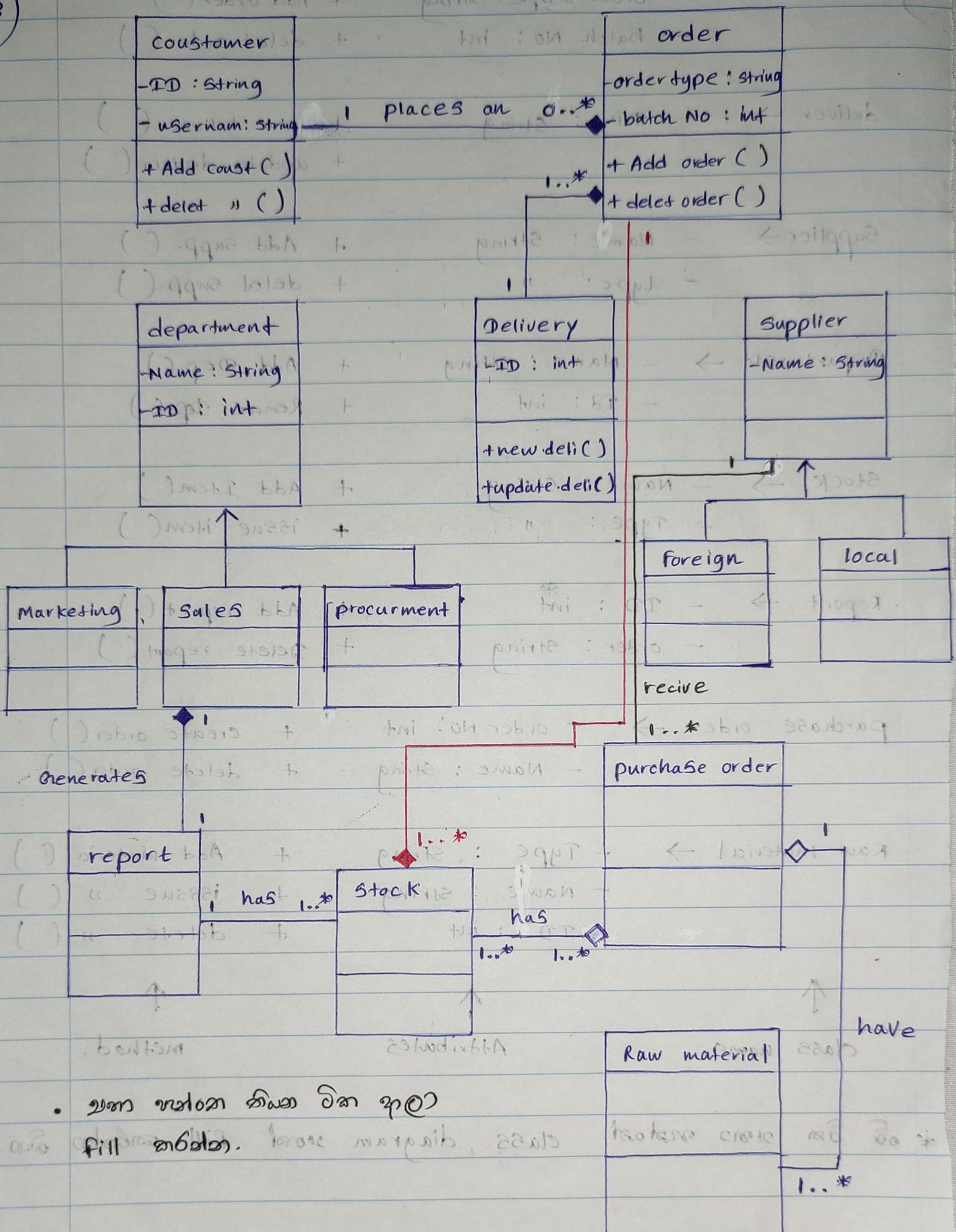
class name            Attributes            method.

\* कैसे जैसे बहुत कम से कम class diagram तक fill करेंगा अब.

# class diagram

Date: p.g.

9)



(4)

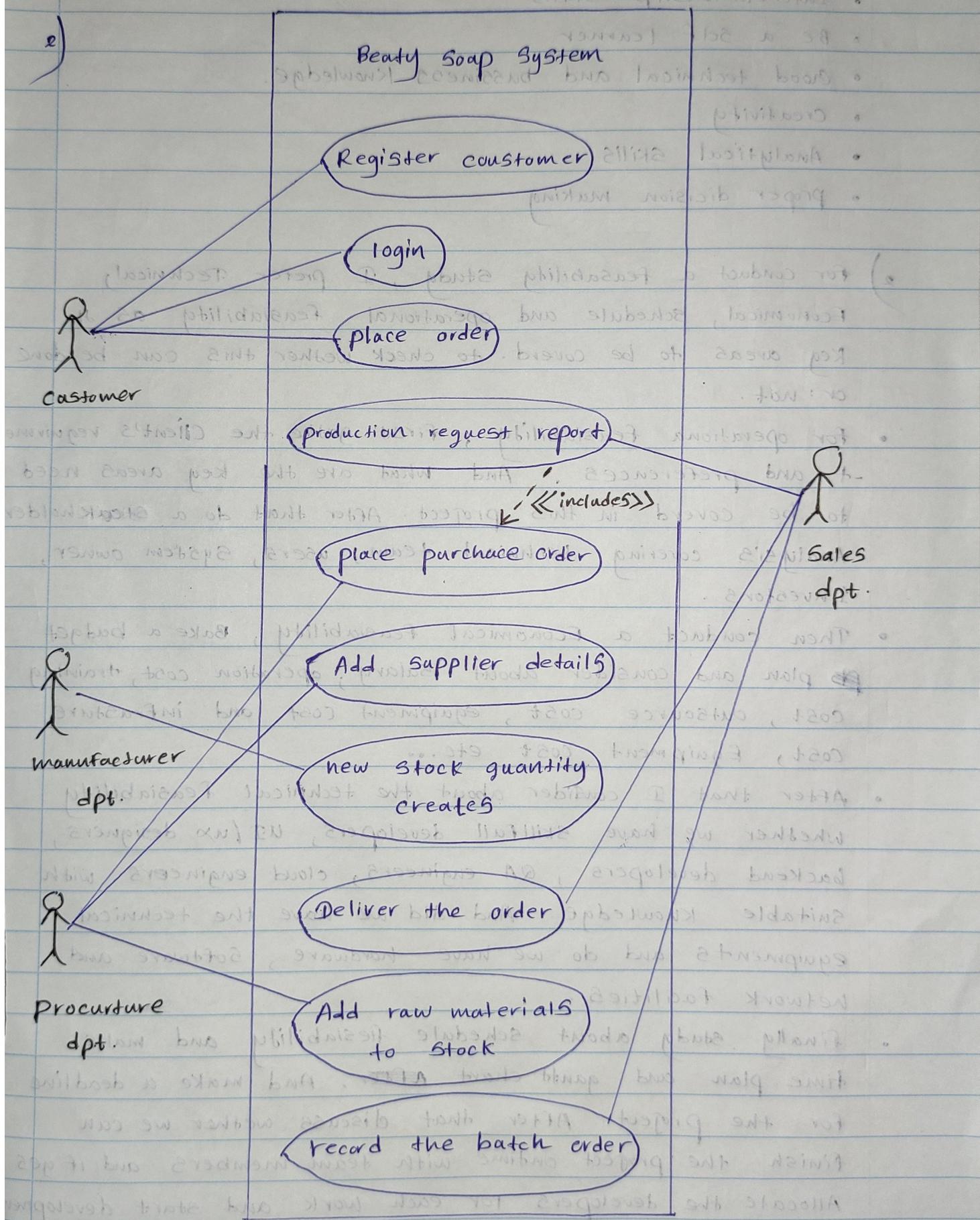
No: \_\_\_\_\_  
Question 03

## USE - CASE .

(5)

Date: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
Page No. \_\_\_\_\_

- 1). Customer • sales dpt. • manufacture dpt. • procurement dpt.



1) Good communication skills

- Interrelationship skills
- Be a self learner
- Good technical and business knowledge.
- Creativity
- Analytical skills
- proper decision making

2) To conduct a feasibility study, I prefer Technical, Economical, Schedule and operational feasibility as key areas to be covered. to check whether this can be done or not.

- for operational feasibility, first gather the client's requirements and preferences. And what are the key areas need to be covered in this project. After that do a Stakeholder Analysis covering technical team, users, system owner, Investors.
- Then conduct a economical feasibility, take a budget plan and consider about salary, operation cost, training cost, outsource cost, equipment cost and infrastructure cost, Equipment cost etc..
- After that I consider about the technical feasibility whether we have skillfull developers, UI/UX designers, backend developers, QA engineers, cloud engineers with suitable knowledge. And did we have the technical equipments and do we have hardware, software and network facilities.
- Finally study about schedule feasibility and make time plan and gantt chart. And make a deadline for the project. After that discuss whether we can finish the project ontime with team members and if yes Allocate the developers for each work and start development.

3) How we working on this project using Agile (Scrum) methodology?

- So we are using the most common approach for develop this project. It is suitable because we have limited time period to end this project completely. main features of Agile development are,

- good teamwork with better communication
- working software with comprehensive documentation
- Customer collaboration in project
- respond to change over the following plan.

- our main parties are development team, Scrum master and product owner. first of all we gather clients requirement, products owners ideas and in sprint planning stage we plan the scope of the project and identify the users of this system. and create user stories. then creates product backlog including the list of components / functions that should be in the system. for sprints prioritizing the client requirements. And the backlog (product) should be editable and upgradable when requirement changes.

- our system will be developed within 4 weeks. So we divided the project scope and tasks into 2 sprints / cycles. each sprint allocate 2-weeks of time to completion.
- In 1st sprint we design the sketch of UI and wireframe it and start to design the final UI design. In the other end front end developer start the development. In each day we did a daily standup / daily scrum meeting <sup>discuss</sup> about the completed tasks and discuss the issues. ( before this we created the 1st sprint backlog. ) At the end of 1st sprint we conduct a sprint review and update the product owner (client) And ~~At~~ conduct sprint retrospective.

## ~~Feasibility Study~~

- There are 4 main factors to analyze, ~~for project feasibility~~
- 1) Technical
- 2) Operational
- 3) Economic
- 4) Schedule

## Question 04:

03) Then we start the 2nd sprint which has 2 weeks of time and create the 2nd sprint backlog. The final tasks need to perform are develop the backend and connect it with frontend, QA testing, UX (user experience), evaluating and debugging the errors (bugs). Backend developers start the development and daily scrum meeting continues every day for 15 minutes of time. At the end we conduct sprint review and sprint retrospective which reflect the collaboration of our team members. Finally we hand over the completed project to the product owner (client) after a better evaluation.