Question 1 (Max. Marks = 5) CLO 1

Which Software Development Process Model is the most suitable and why?

Not WF   Traditional Upfront not enderd
Not Agile   - Nobody from clients side available like architecture
Risk because of H/w involved-, cashless transactions,
technology etc.
    Possible options are Spiral & RUP

Question 2 (Max. Marks = 5) CLO 1

Identify and list five stakeholders of the system.

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        - Student    - Uni Admin (Mgmt) Placement of the machine
users   - FM          - Operator (settings & maintenance)
        - Staff       - R&D development side
owners if  - Cafe
the business  - Bank
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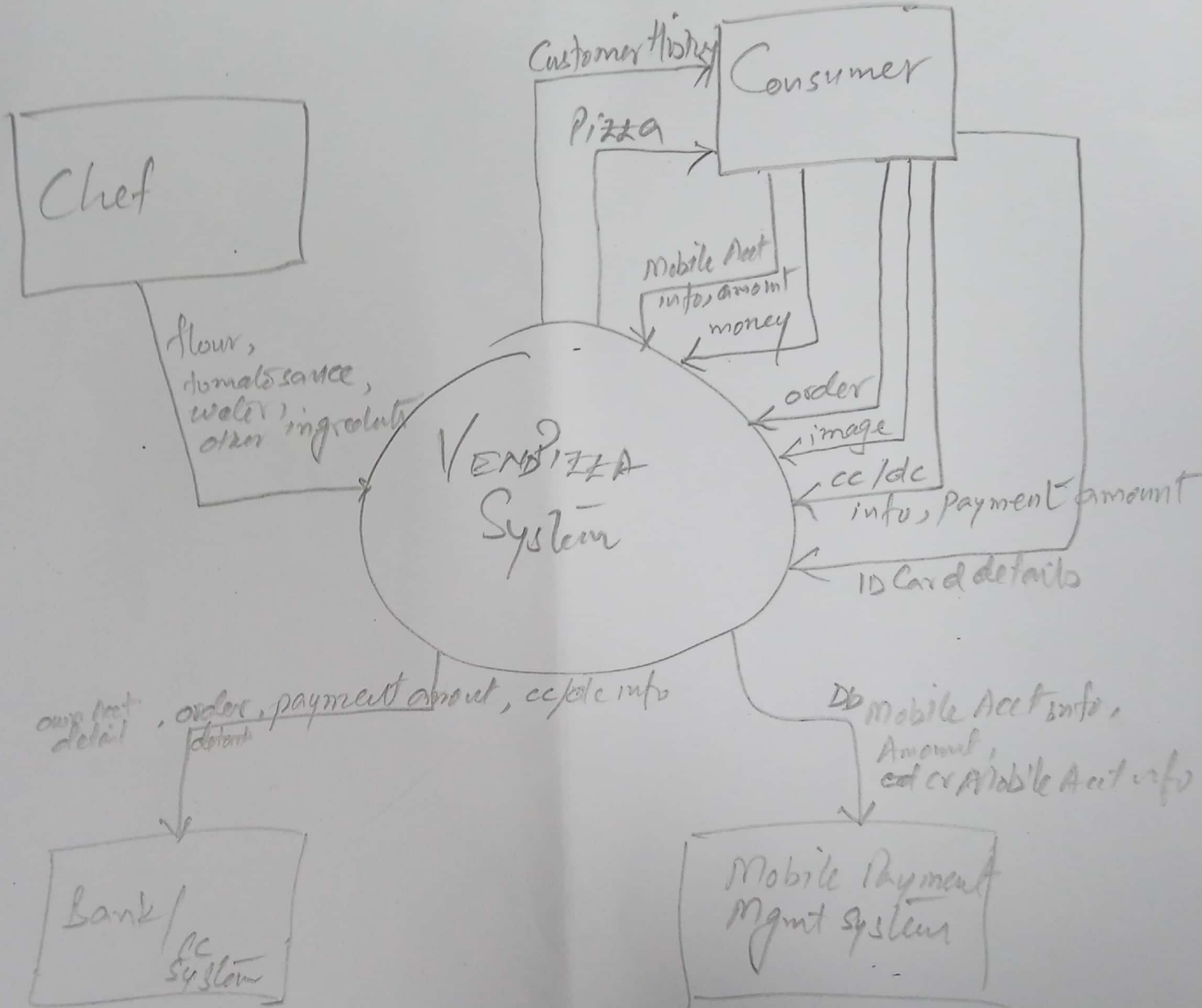
Question 3 (Max. Marks = 5) CLO 3

Identify and write one requirement of the mentioned type.

Requirement Type	Requirement
Business Requirement	Pizza vending machines at FAST Campus required
Design/Process Constraint	having a window for that customer can watch pizza being prepared.
Non-Functional Requirement (should be testable)	The machine shall prepare the pizza fast.
Functional Requirement	The vending system shall provide a user interface to order a pizza.
Functional Requirement	The VS shall provide interface to the users to perform cashless transaction and to complete pizza order.

Draw a context diagram for the VENDPIZZA system?

Chef

flour,
tomato sauce,
water, ingredient
other ingredients

VENDPIZZA
System

Customer History

Consumer

Pizza

Mobile Acct
info, amount
money

order
image
cc/dc
info, payment amount
ID Card details

own acct, order, payment amount, cc/dc info
detail, detail

Bank/
CC
System

Db mobile Acct info,
Amount,
cd cr Mobile Acct info

Mobile Payment
Mgmt System

Order : Pizza Type
Quantity

Order Detail : Order
Own Acct Detail

Feature	Faculty S1	Student S2	Staff S3	Admin S4
Placement of the machine	1	4	2	5
Payment mode	2	4	3	2
Oven Size (pizza size + multiple pizza)	2	4	4	4
Queue Mgmt (priority etc.)	5	5	5	4
User interface	4	5	5	2

The Stakeholders are ~~experts~~ good in domain in buying pizza or other food items from a place in the university. They do not need to be expert is selling the pizza or making the pizza for features 1,2,4,5. The other Stakeholders have good domain knowledge of machine design etc, so

RG is justified.