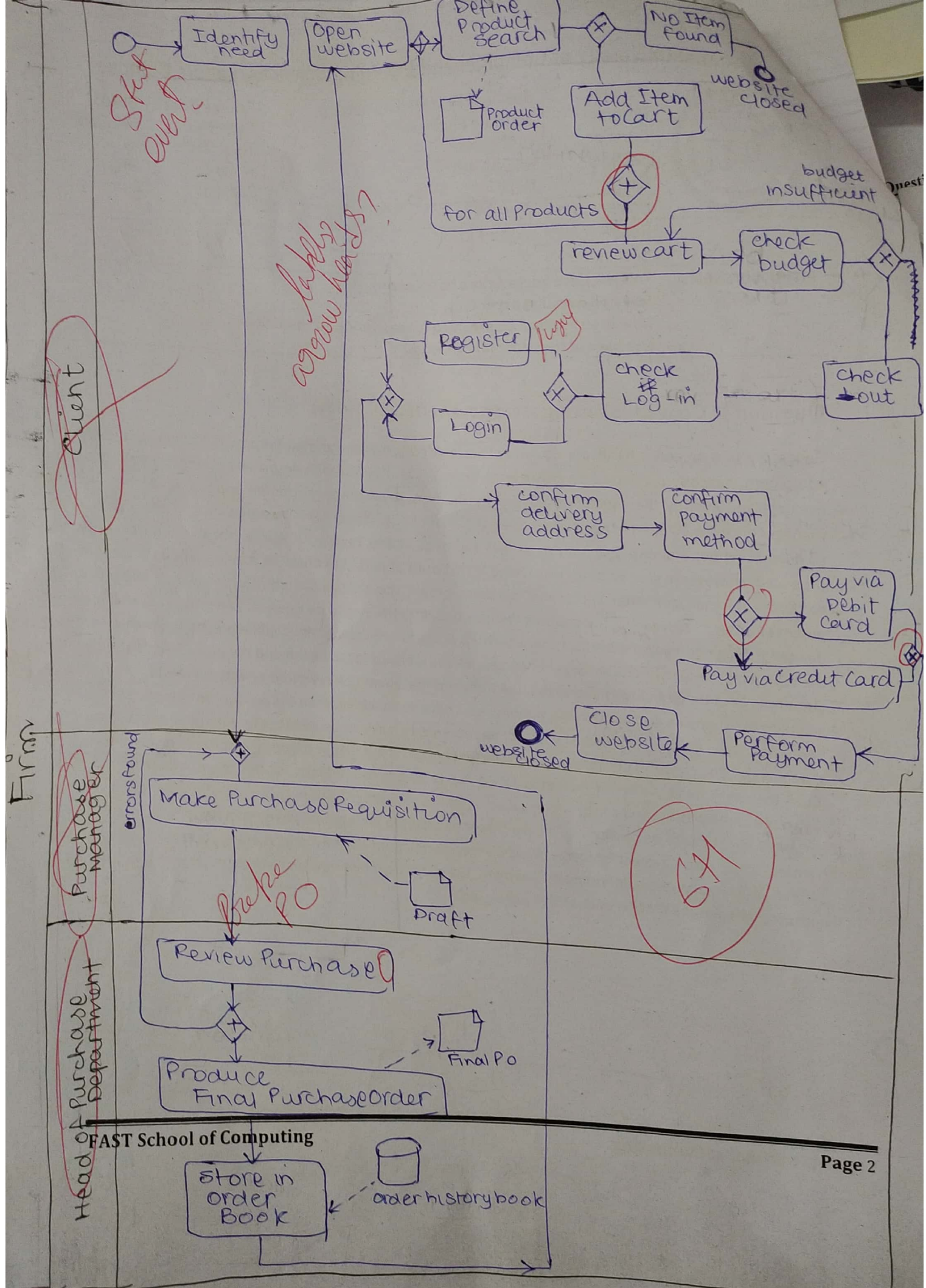
	Course:	Business Process Engineering	Course Code:	SE4032
	Program:	Software Engineering	Semester:	Fall 2022
	Duration:	60 Minutes	Total Marks:	15
	Section:	BSE-4A/4B(Weight	10%
	Exam:	Mid 2	Page(s):	3
	Name	[Redacted]		
	Roll# + Section	[Redacted] BS SE 4A		
			(7) * 2 = 9	

Instruction/Notes: This is a close books / close notes exam.
 Solve on question paper only.
 No extra sheet will be provided for answering any question.
 Use back of the paper for ruff work.

Question 1: Convert following scenario into BPMN Model.

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Gadgetry.INC is an online hardware equipment store offering a wide variety of products for industrial clients. The equipment is mostly purchased by engineering firms. A client before placing order at Gadgetry.INC is bound to evaluate and identify the equipment needed by the firm. A purchase requisition is being made by purchasing manager once the equipment need is identified and draft of purchase order is prepared and sent for review to head of purchasing department. The draft might get approved at first review, if it is so then final purchase order is produced. However in case of issues discovered in first draft of purchase order, it is being sent back for correction to purchasing manager. After approval of purchase order, the order is stored in order history book. Once the purchase order is approved, the ordering website Gadgetry.INC has to be opened. The product search has to be defined through defining the product characteristics & specifications identified while preparing purchase order. If the search for the specific product was not successful, the website has to be left and the process ends at closing the website. In case the search was successful, the item and the quantity have to be selected and the item has to be added to the shopping cart. Afterwards, if more items have to be added, then the product search process has to be performed again (Loop). If on the other hand, no more items have to be added, the purchaser has to review the shopping cart and check his budget. In case insufficient budget is found, the shopping cart has to be reviewed again. If, on the other hand, sufficient budget is found, he proceeds to checkout. In this stage, either he is already registered in the website and a logg in is required or he has to register & log in to the website. After doing this, the delivery address has to be confirmed. The purchaser has then to choose the payment method, which can be bank transfer, credit card payment or credit invoice. After deciding on the payment method, the payment has to be performed. h) Finally, after confirming the payment, the purchaser leaves the website together with the case search not successful and the process ends at website closed.



Question 2: How functional decomposition is achieved in IDEF0? Illustrate through diagram only.

5

Level 0
diagram
↓
refined
further

