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REG # : SP23-BSE-036

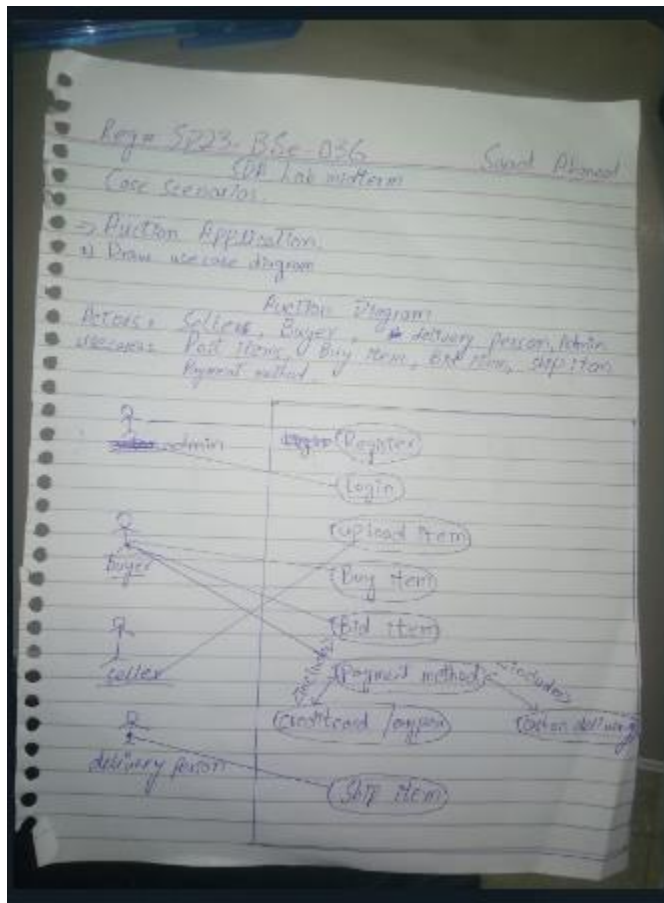
SUBJECT: SOFTWARE DESIGN ARCHITECTURE

LAB MIDTERM EXAM

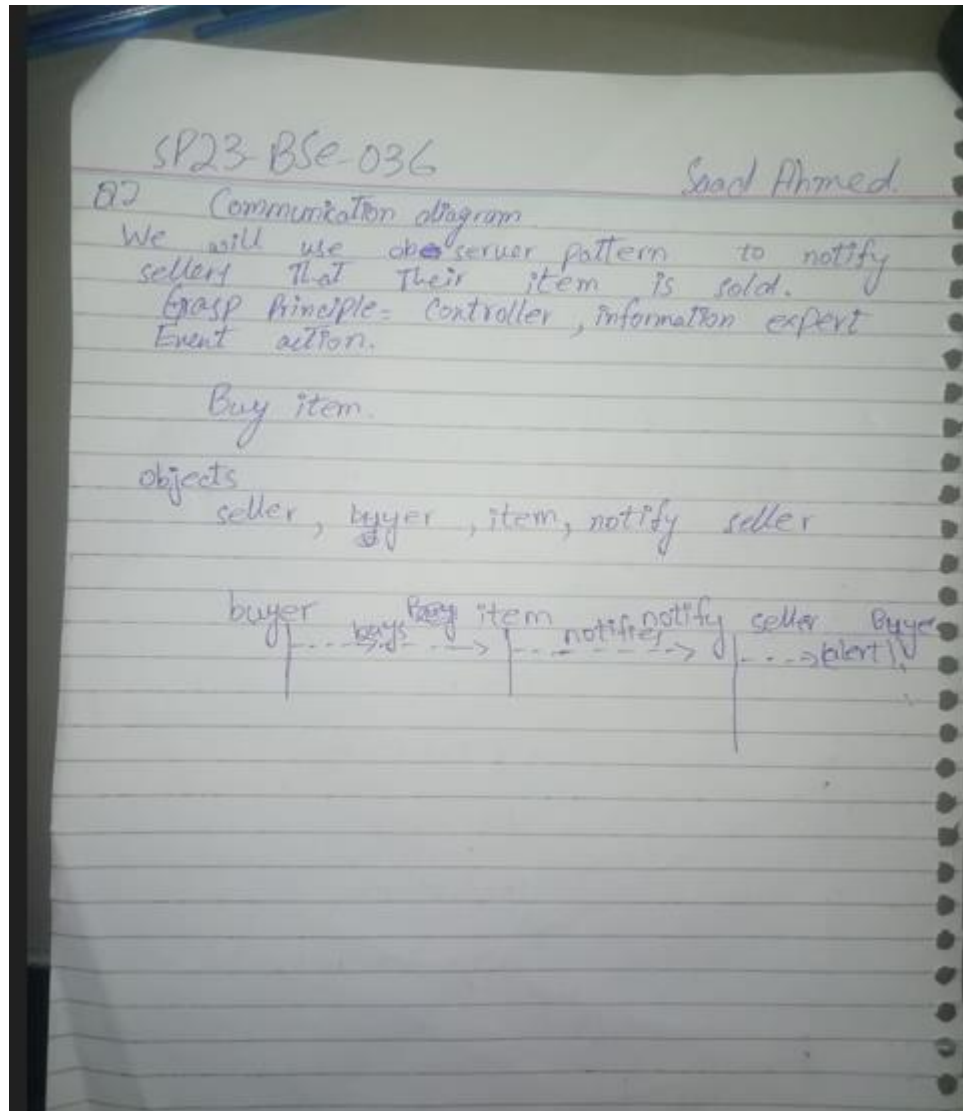
CASE SCENARIO

AUCTION APPLICATION

Answer 1: use case diagram



COMMUNICATION DIAGRAM



INCOMPLETE DUE TO MISS MANAGEMENT OF TIME!

Which design patterns and grasp principle is used

Answer:

I have used observer pattern which will notify the sellers that their product is sold

Auction class acts as a subject and the bidder interface is implemented by the Buyer class which acts as the observer

The Grasp principle which I have used is information expert