

Warda yousaf

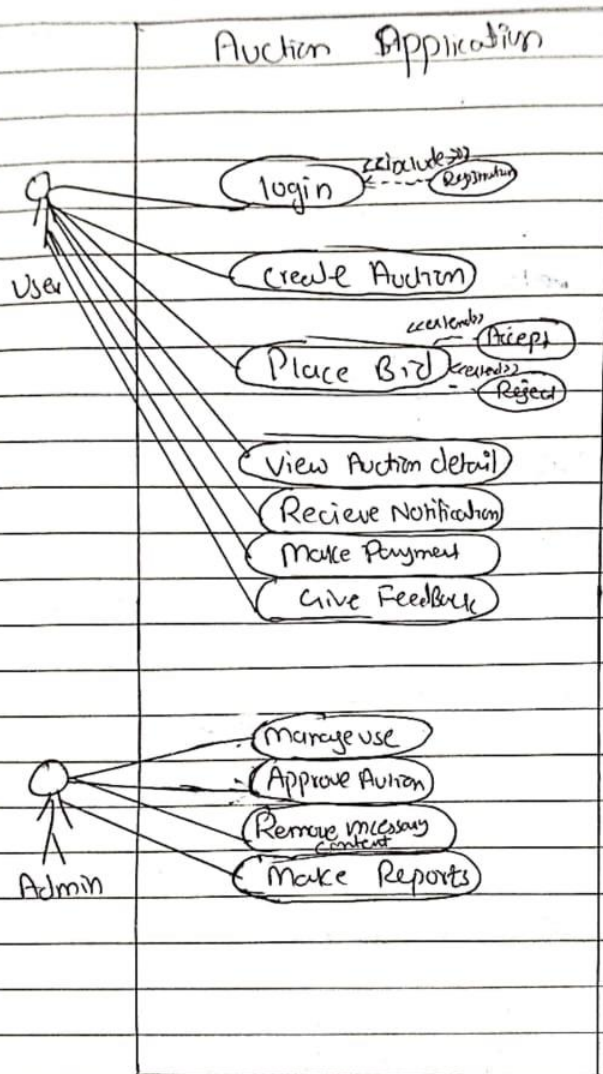
Sp23-bse-042

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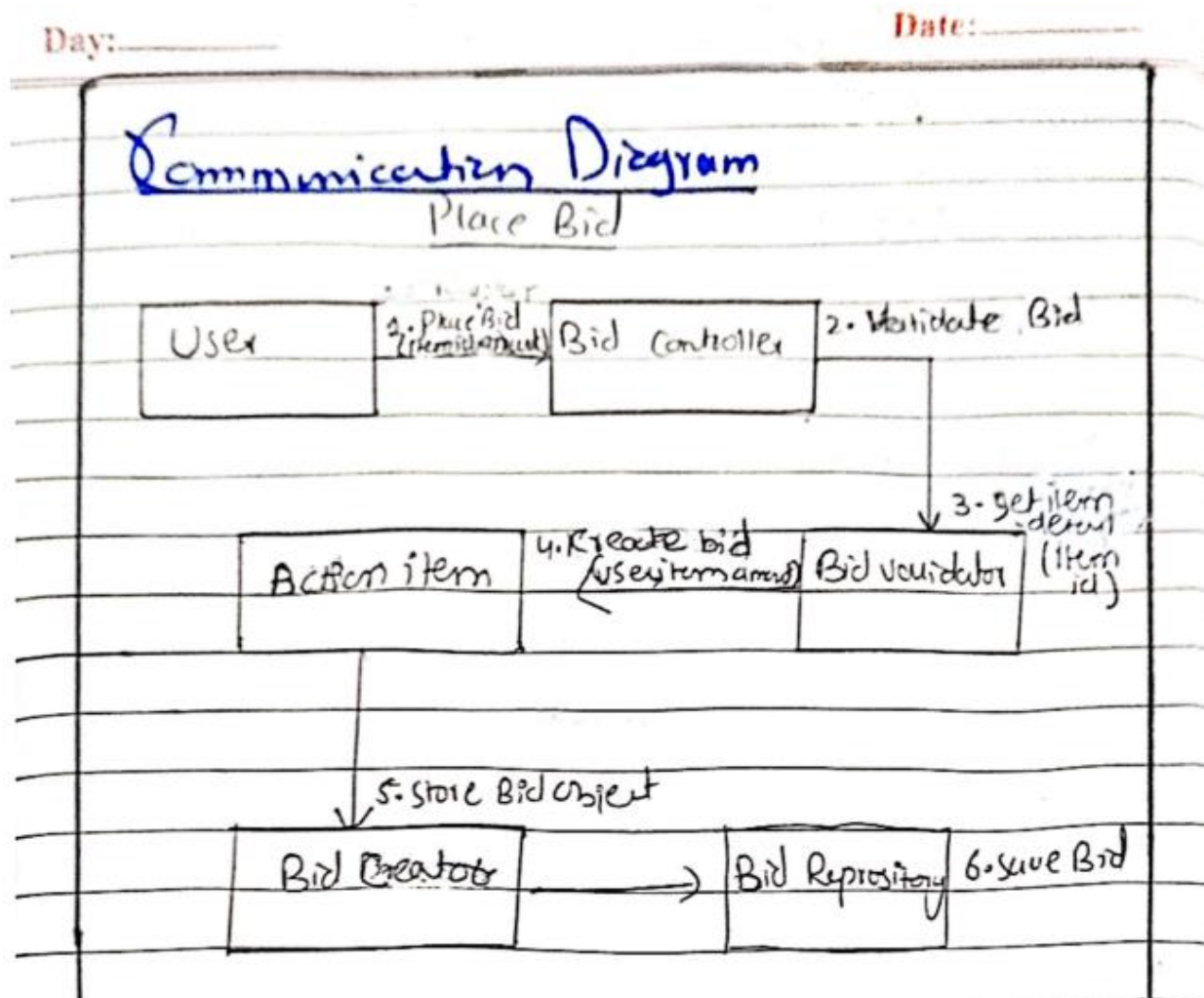
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 Reg#: SP23-BSE-042  
 Section: B

## Auction Application

### Use case diagram



## COMMUNICATION DIAGRAM



## PRINCIPLE USE

## 1. CONTROLLER BidController

It is responsible to handle user input and manage the flow of data. When the user places a bid, the BidController handles that request.

## 2. High Cohesion BidValidator

BidValidator only handles the logic of checking if the bid is valid (e.g., positive amount, within time).

### **3. Creator Bid.**

Bid objects are created by the controller or auction item since they are closely related and responsible for managing bids.

### **4. Pure Fabrication BidRepository**


BidRepository is a class made specifically to store bid data. It separates the storage responsibility from the controller and other classes.

### **Pattern use**


#### **Observer**


I USE OBSERVER PATTERN TO HANDLE DIFFERENT USER EASILY  
BECAUSE MANY PEOPLE MAKE BID AT THE SAME TIME SO  
OBSERVER PATTERN IS USE TO ADD BID OF EVERY PERON.

UL FRONTEND

 Bidding App

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Bidder Name:

Bid Amount:

Place Bid

WARDA - \$200.0  
UMER - \$300.0  
ALAINA - \$400000.0

DATABASE