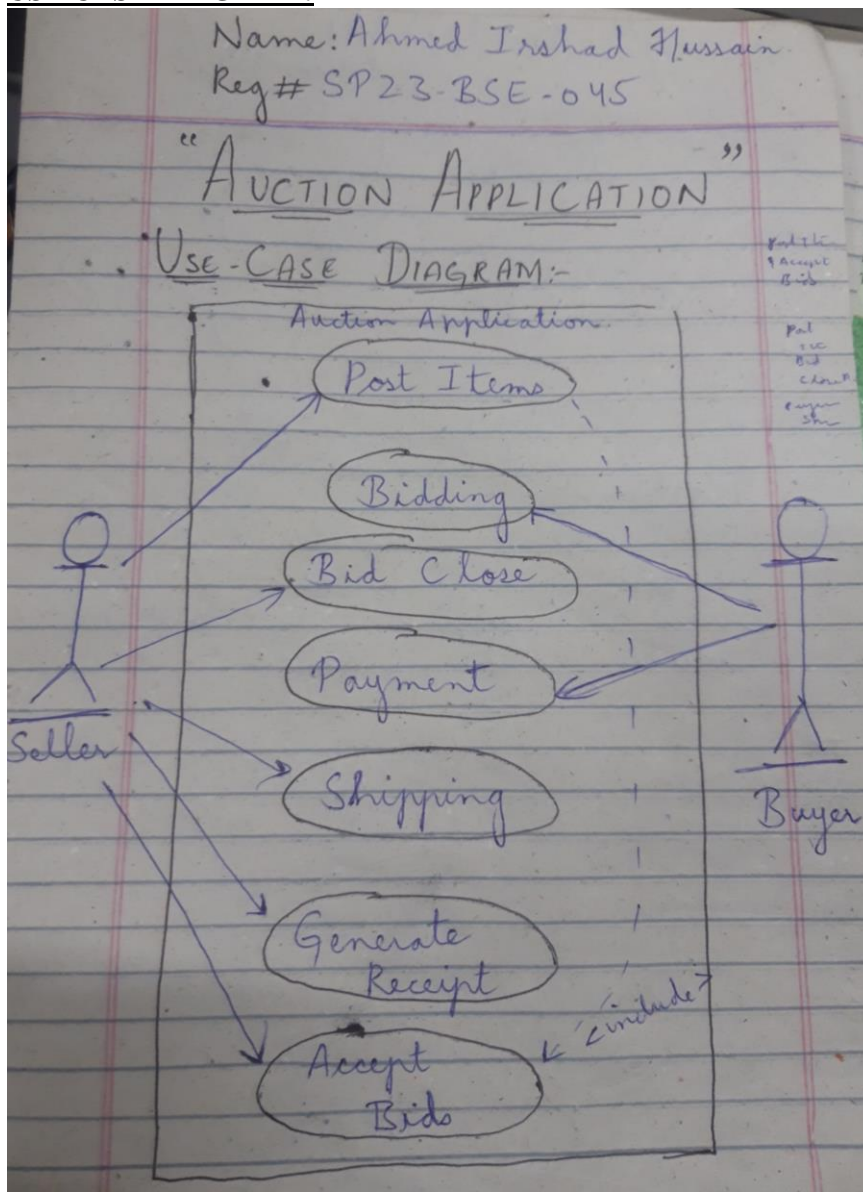


**NAME: AHMED IRSHAD HUSSAIN**  
**REG NO: SP23-BSE-045**

**CASE STUDY:**  
**"AUCTION APPLICATION"**

**USE CASE DIAGRAM:**



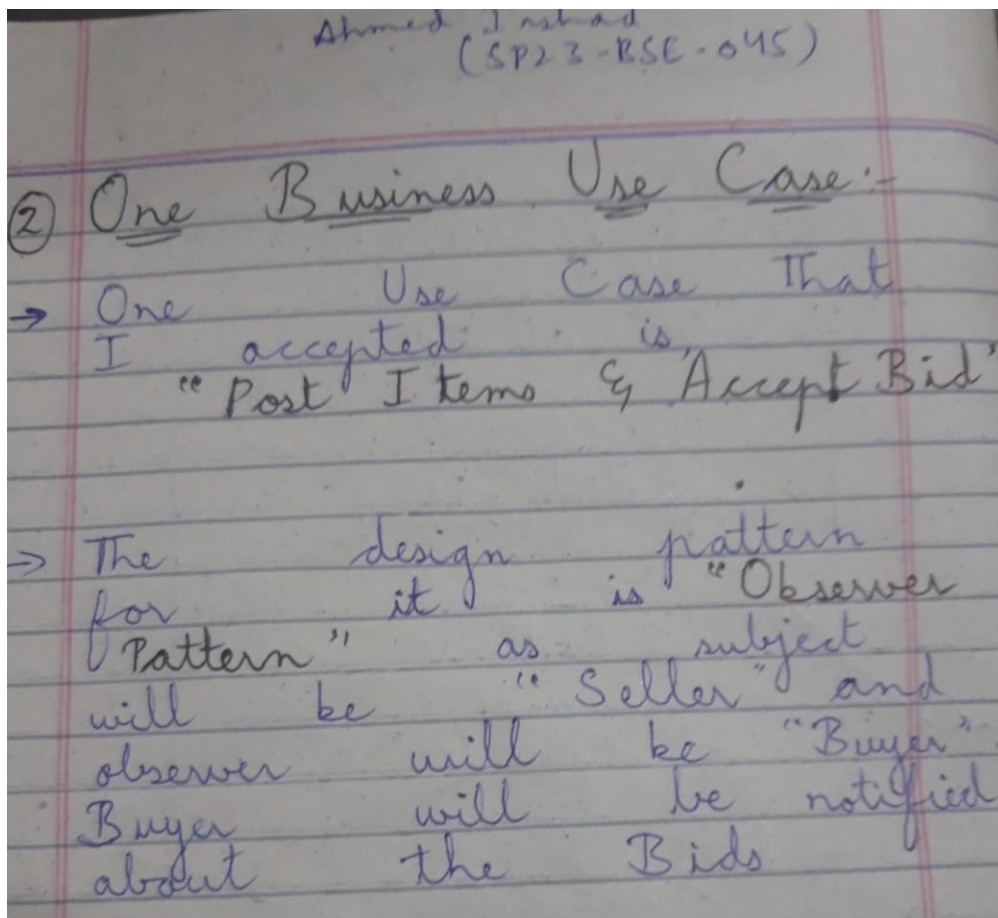
I made this use case diagram that includes actors and use cases,

- **Actors:** Seller & Buyer
- **Use Cases:** Post items (includes Accept Bid), bidding, Bid Close, Payment, Shipping, Generate Receipt & Accept Bid

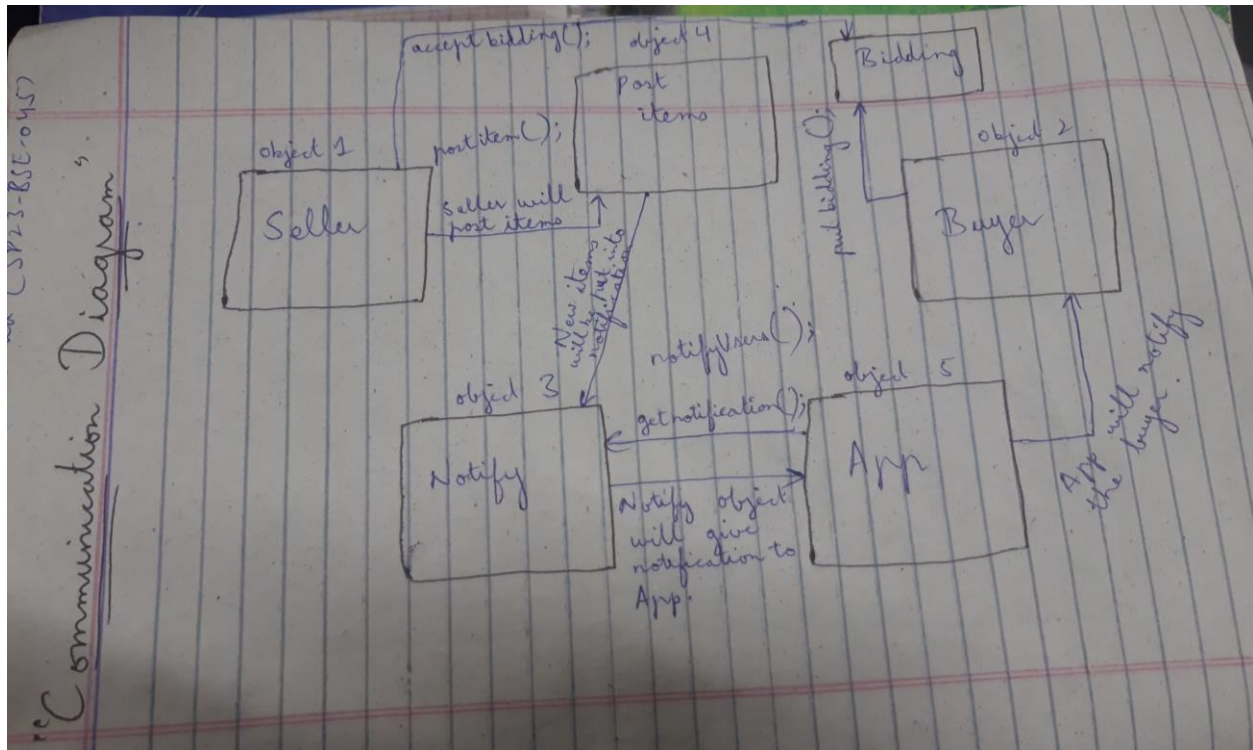
### ONE BUSINESS USE CASE:

I have picked "Post Items & Accept Bids" and for this I used "**OBSERVER PATTERN**"

As subject is **BUYER** and observer is **Seller** so seller will be notified of new Bids.



## COMMUNICATION DIAGRAM:



This is the communication diagram

OBJECTS are seller, notify, app, buyer, post items and Bidding