OOPS

Tutorial-1

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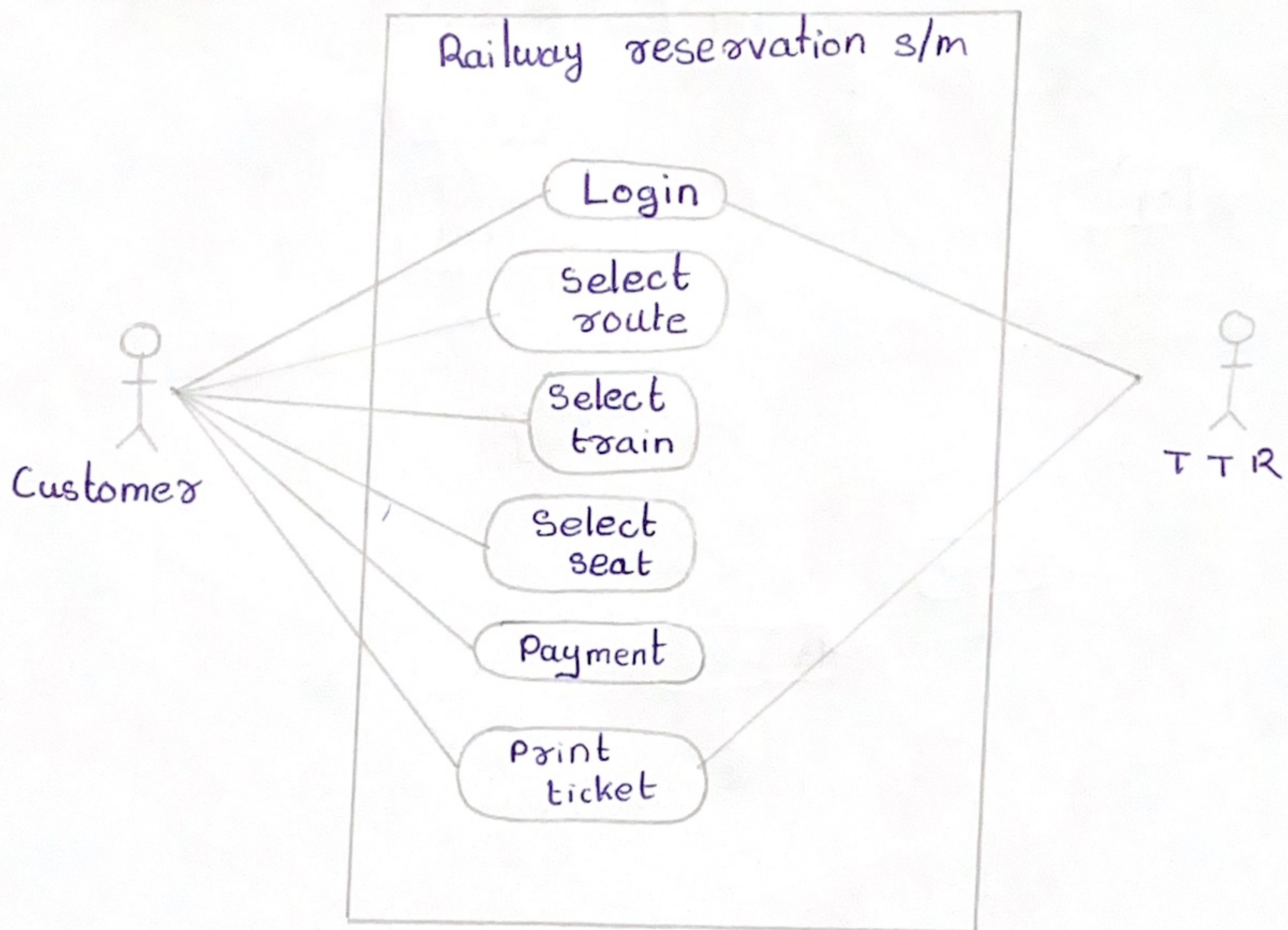CS (AI)

Roll: 53

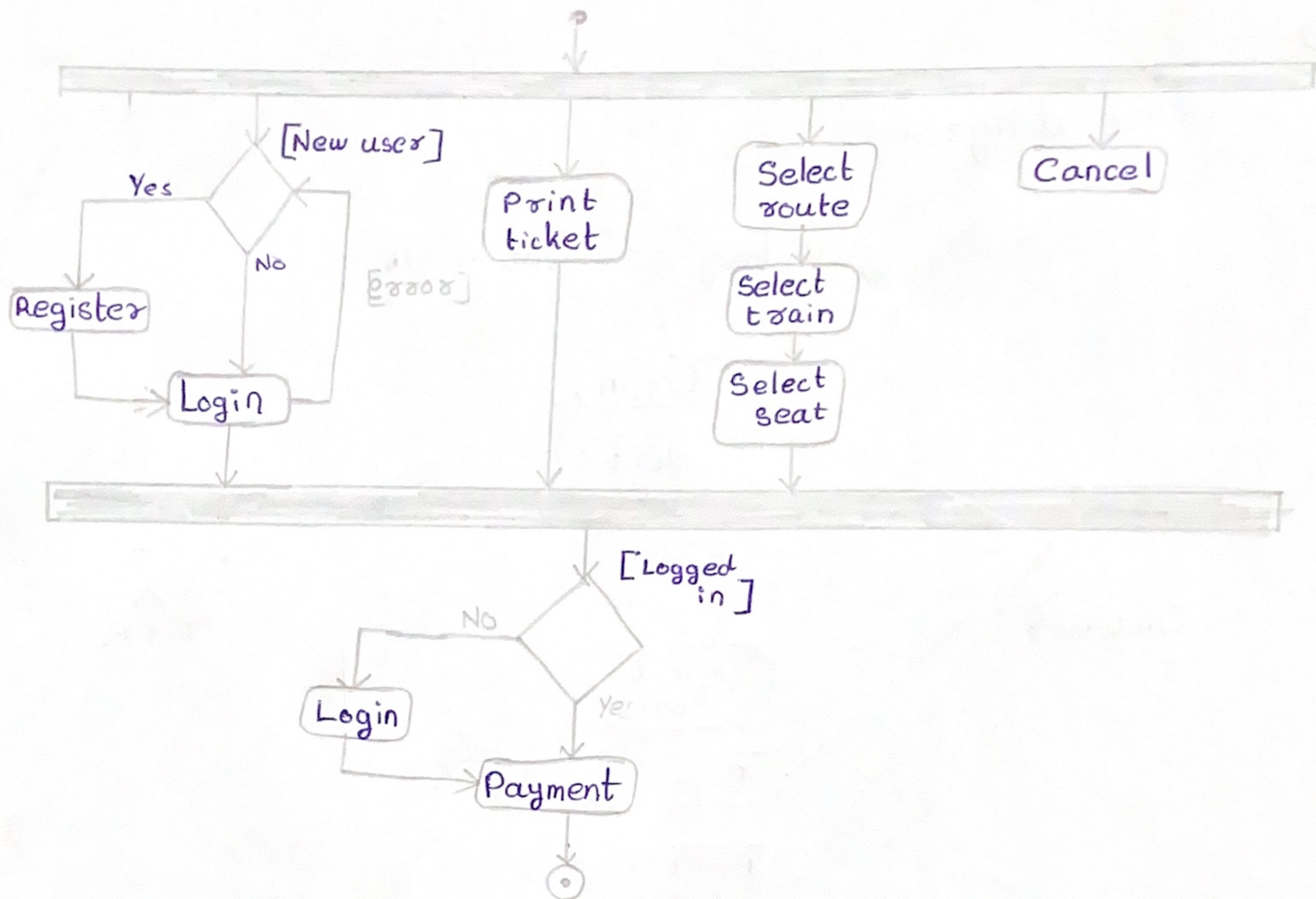Q) Draw usecase, activity and sequence diagram of railway reservation.

A)

Usecase diagram

Activity diagram:

Activity diagram showing flow:

Start → fork bar

- [New user] decision:
  - Yes → Register → Login
  - No → Login
- Print ticket
- Select route → Select train → Select seat
- Cancel

All flows → join bar → [Logged in] decision:
- No → Login → Payment
- Yes → Payment

Payment → End

Sequence diagram

Customer | : Booking System | : Login | :DB

- Call ()
- Select route
- Check train
- Available train & seat
- seat selection
- Proceed to login
- Call ()
- Enter username & pass.
- Verify username & Pass.
- Valid login
- Enter passenger details
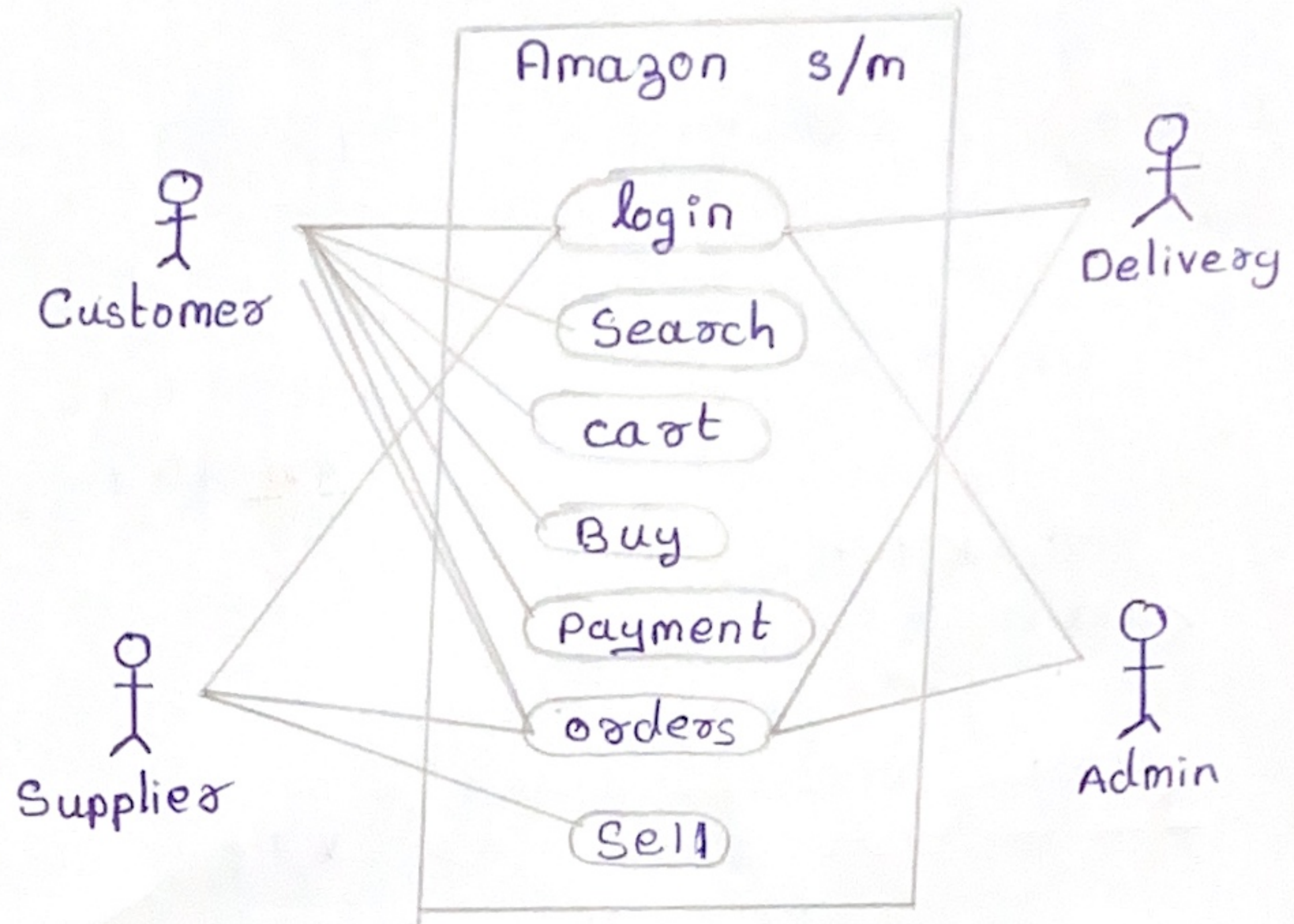- Show ticket summary
- make payment
- Update reservation
- Generate ticket
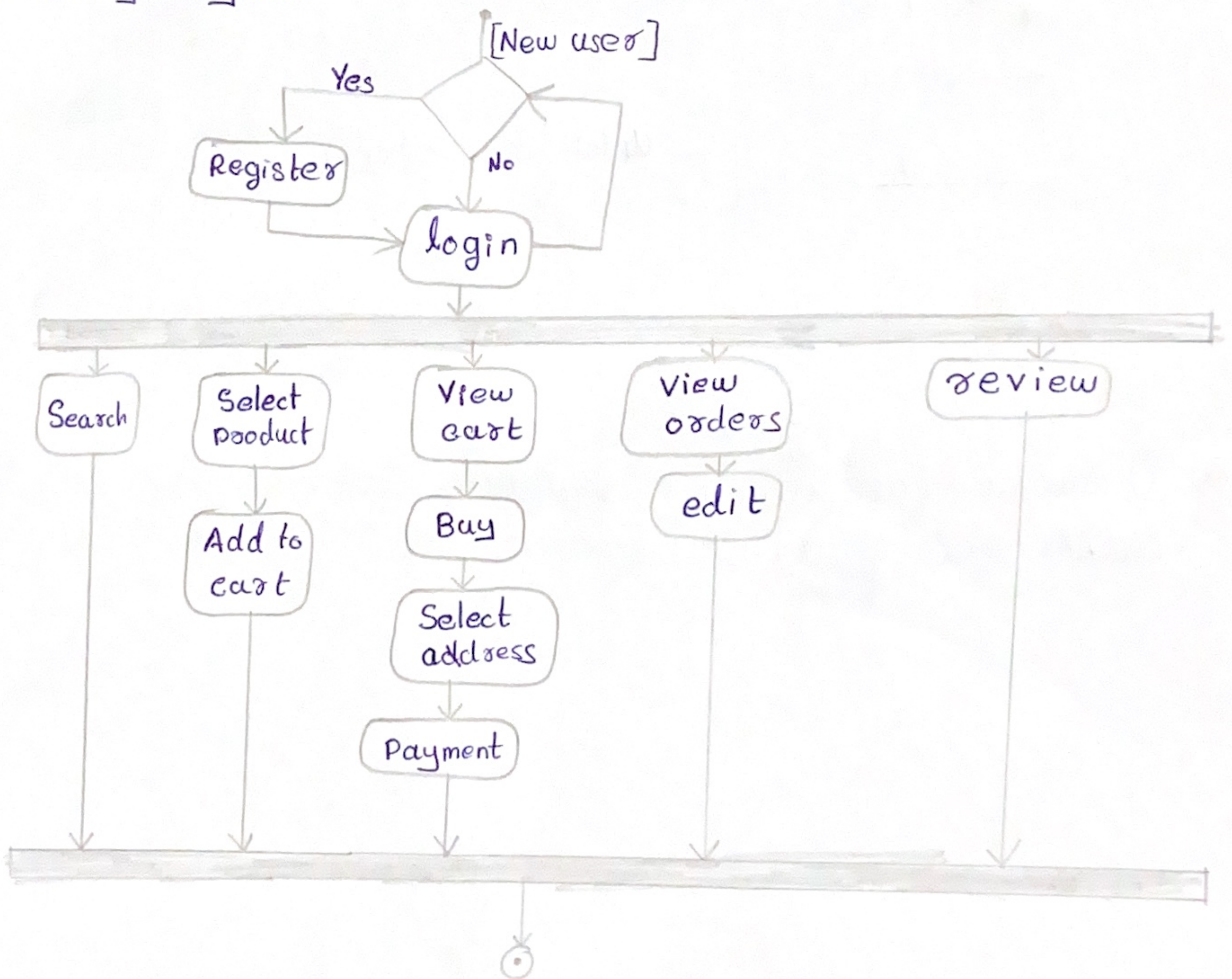
Q) Draw use-case, activity, sequence, class diagram for the realtime executing website amazon.

Use case diagram:

Amazon s/m

- login
- Search
- cart
- Buy
- Payment
- orders
- Sell

Actors: Customer, Delivery, Supplier, Admin

Activity diagram:

[New user]

Yes → Register

No → login

login →

- Search
- Select product → Add to cart
- View cart → Buy → Select address → Payment
- View orders → edit
- review

:Customer   :login   :Home   Cart   :DB

Sequence diagram:

:Customer   :login   :Home   :cart   :DB

Call()

Enter user & pass

verify credentials

Logged in

Call()

Search Product

check products

Show available Products

Choose a Product
Datas about the product
Add to cart

Call()

Add product

Open cart

Added products

Buy products

select Paymen adress

Add adress

Save adress

Make Payment

Payment done

update order

Order summary