

NAME :- ASSAD WAZEER

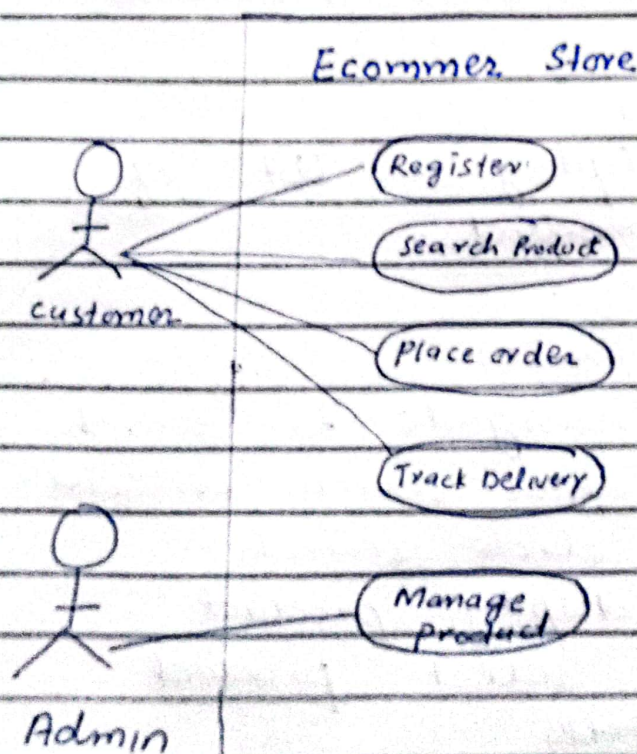
REG NO: FA22-BSE-085

CASE STUDY: Ecommerce website

DESCRIPTION:-

It is a web based application  
It is an online platform where  
Individual buy goods or services  
over the internet.

← USE CASE →





## (2) FULLY DRESSED USECASE

→ Usecase Name :- Search Products

Title : Search Products

→ Usecase Id :-

Identifier : UC-03

→ Actors :-

Primary Actor :- Customer

Secondary Actor :- Admin

→ Preconditions

- Customer is logged in
- product database is populated

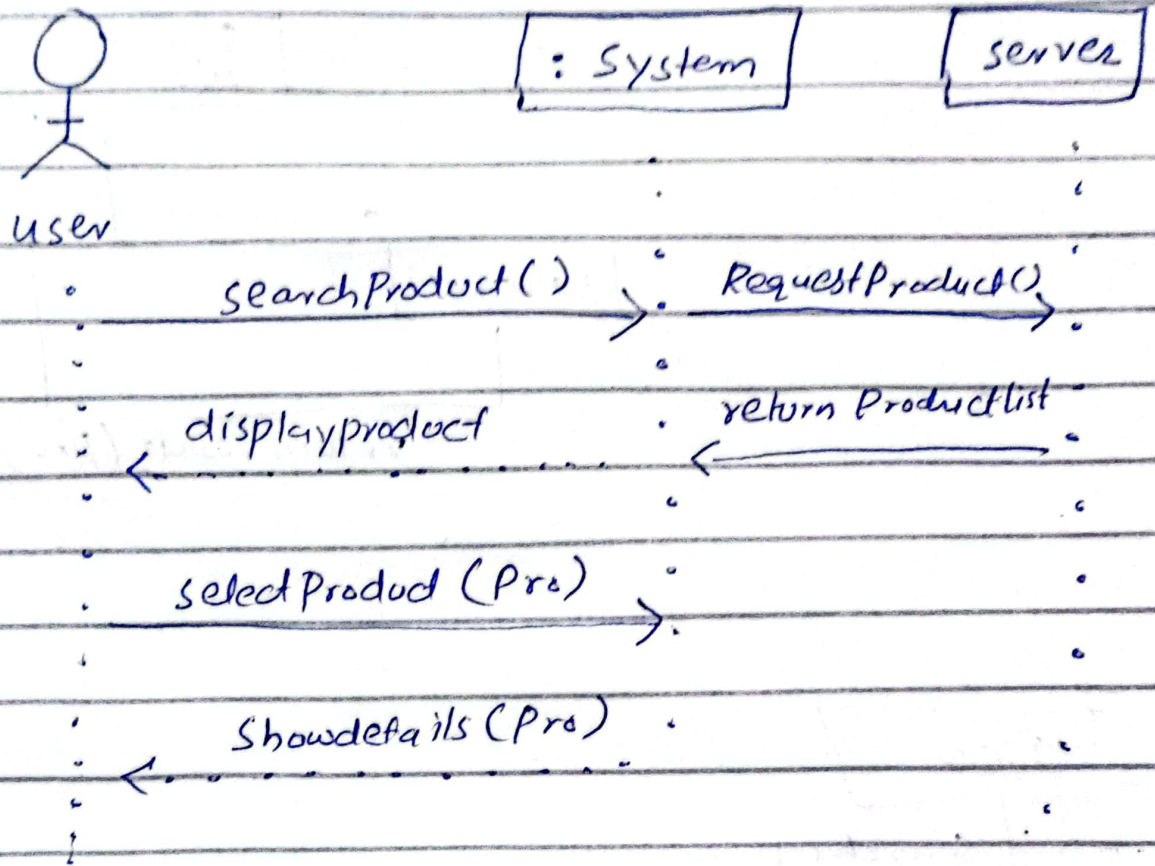
→ Post condition

- system display a list of matching products.

→ Success Scenario :-

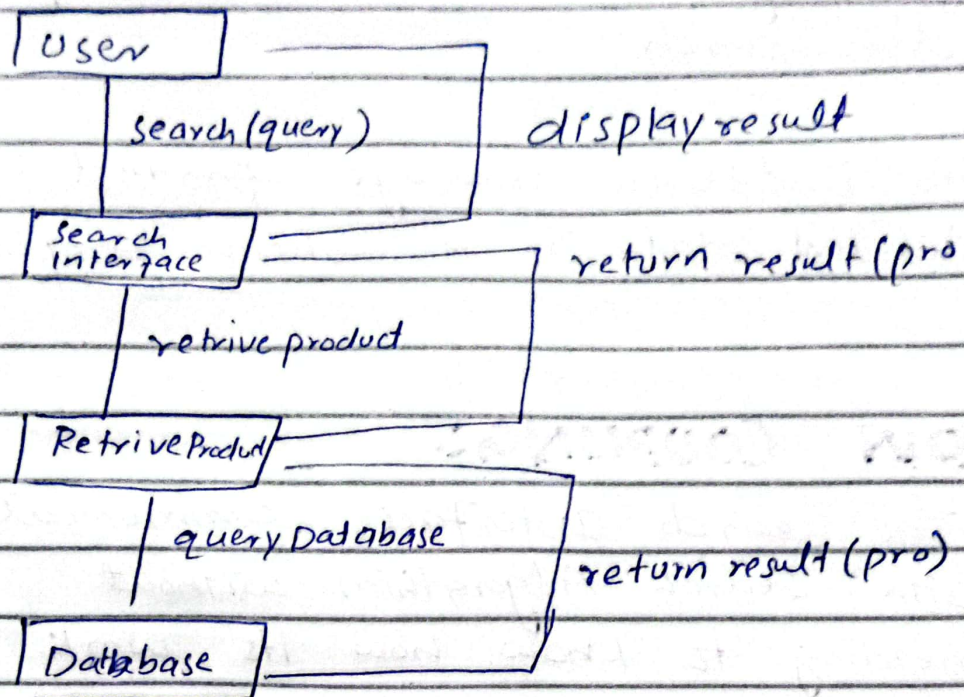
- Customer navigate to "search"
- Customer enter search criteria
- Customer click search
- system display product
- Customer select product for details

# SYSTEM SEQUENCE DIAGRAM:





# COLLABORATION DIAGRAM



## SINGLE RESPONSIBILITY PRINCIPLE

Each component should have only one and one reason to change

→ "The Search Interface is responsible for input"

→ "Search Algorathim is responsible for Search logic"

→ "Database is responsible for storing and providing Database"



## HIGH COHESION:-

- The search Algorithm contain all logic related to processing the search
- The Database manage product related data in a cohesive component

## LOW COUPLING:-

- The search Interface communicate with Search Algorithm without needing to know how its work.
- Also search Algorithm communicate with Database without worrying about Data structure



## CLASS DIAGRAM:-

