

Mid Lab

Name: Maaz Ali Khan

Reg No: sp23-bse-052

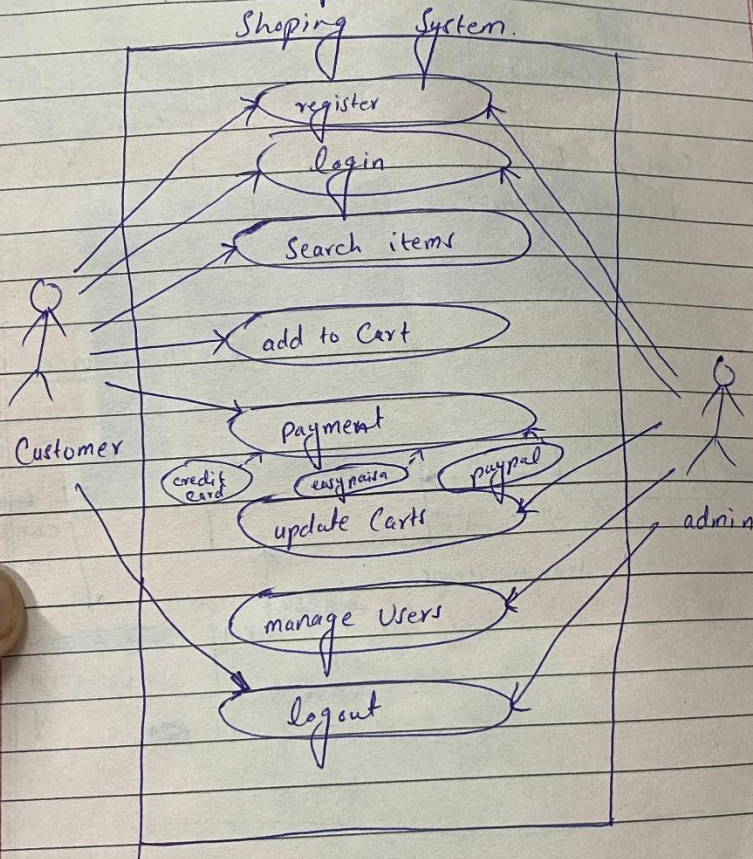
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Name: Muaz Ali Khan

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Shoping System

1) Use Case Diagram:-



Q2(a) i) pipe and filter

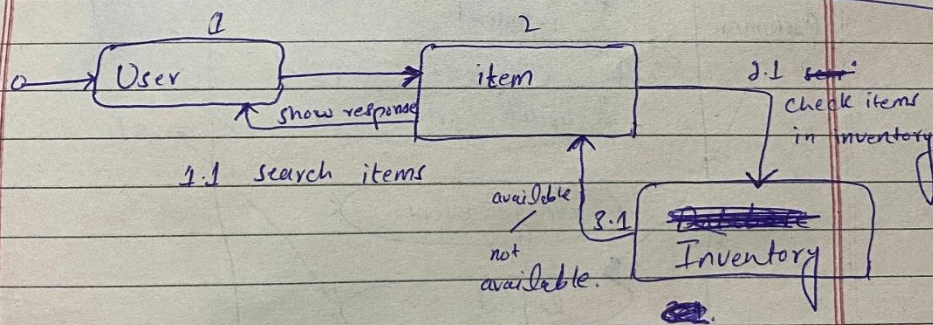
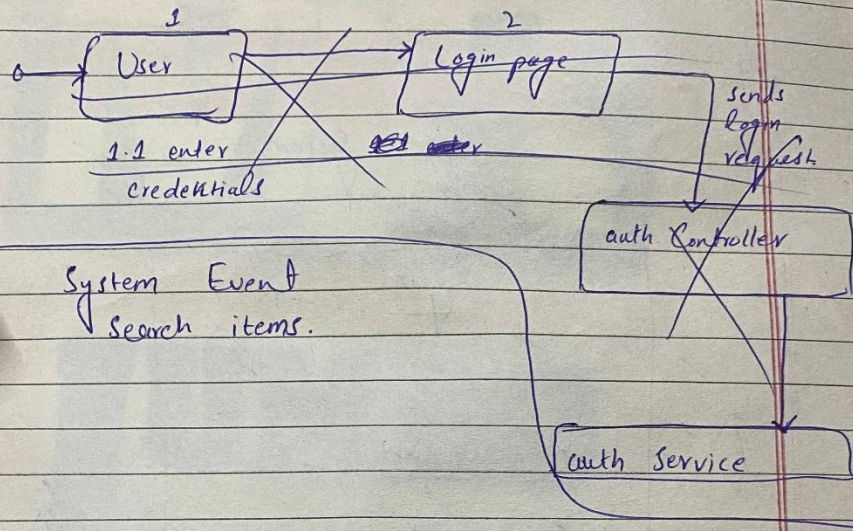
login → Search items → add to Cart → payment

ii) Layered architecture.

- UI, Business logic,
- presentation layer,
- database.

Date: Maaz Ali Khan SP23-BSE-052

Q2(b) System Event (Login).



Q2(c) Continue.

principles: creator, Information expert,
polymorphism, protected variation

Principles and Patterns:

creator principle, information expert.

Pipe and filter pattern.

Layered or MVC structure or architecture will be used.