

# ASSIGNMENT - 1

## 1. What is SDLC?

> SDLC is stand for software development life cycle.there are 6 phases available in SDLC:

1) requirement gathering 2) analysis 3) design 4) implementation 5) testing 6) maintenance.

## 2. What is software testing?

> software testing is process used to identify correctness,completeness and quality of devloped computer sodtware.

## 3. What is agile methodology?

> agile model is combination of iterative and incremental process models.agile model is suitable for fixed and changing requirements.

## 4. What is SRS?

- > SRS is stand for software requirements specification.

5.What is oops?

> object oriented programming is a concepts of object , class , abstaction , encapsulation , inheritance and polymorphism.

6. Write basic concepts of oops

- > 1) object
- 2) class
- 3) abstaction
- 4) encapsulation
- 5) inheritance
- 6) polymorphism

7. What is object?

> object is any entity which has own state and behaviour is called object.

8. What is class?

- > class is a collection of objects.

9. What is encapsulation?

- > encapsulation is wrapping of data or binding a data.

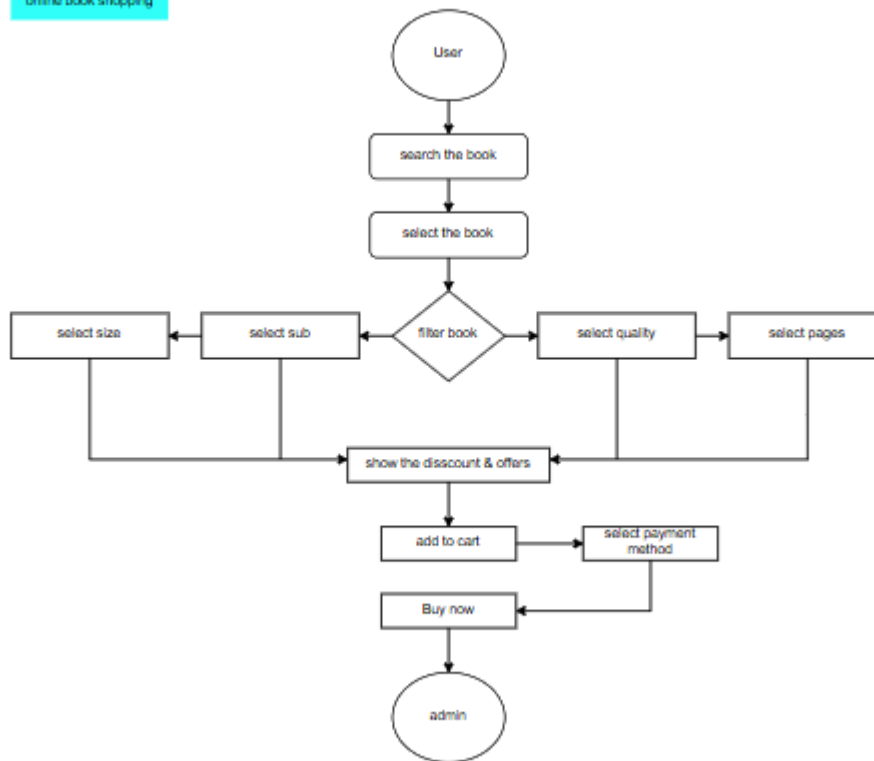
10. What is inheritance?

- > when one objects acquire all the properties and behaviour of parent class is called inheritance.

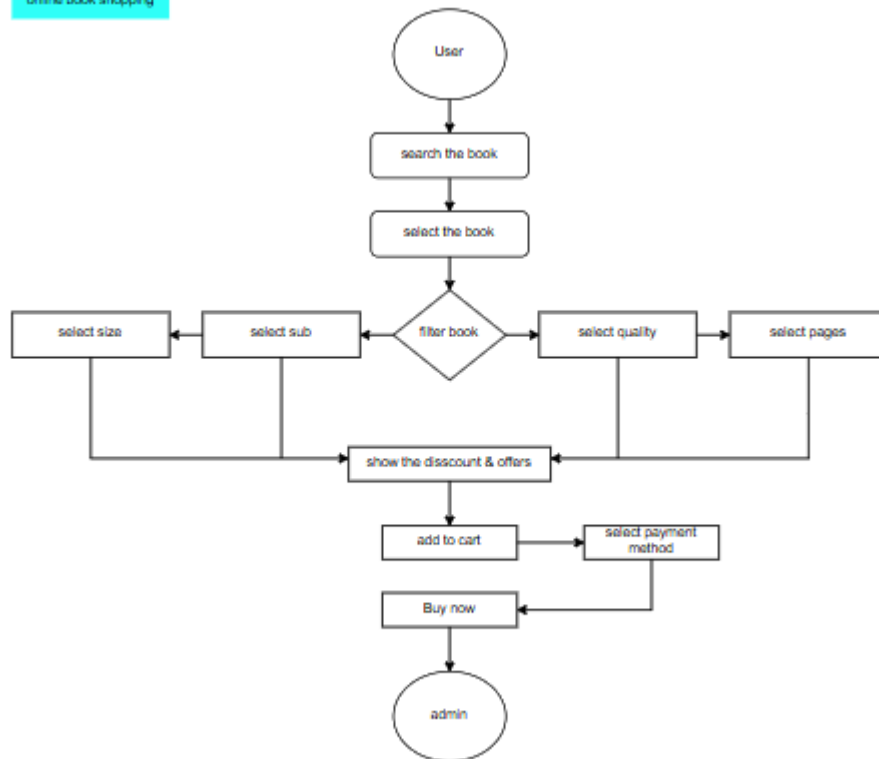
11. What is polymorphism?

- > polymorphism is allows different objects to respond to the same message in different ways.

12. Draw usecase on online book shopping



13. Draw usecase on online bill payment system



#### 14. Write SDLC phases with basic introduction

> Requirement gathering -customer needs

Analysis -model data analysis

Design -model specification and designed

Implementation -data implement and model  
solution

Testing -software testing and solution

Maintenance -defect repair and requirement  
solution

#### 15. Explain phases of the waterfall model

> Waterfall model phases is classical software model on various software development.

#### 16. Write phases of spiral model

> spiral model phases is planning, risk and analysis, engineering and etc.

#### 17. Write agile manifesto principles

- > - Customer satisfaction and delivery
  - Avoid of requirement features
  - Working software deliver
  - Collaboration the business developers
  - Successful communication

#### 18. Explain working methodology of agile model and also write pros and cons.

- > - High ability project frequently
  - Development process is high
  - Project result is better
  - project quality and detail is better provide

19. Draw usecase on online shopping product using COD.



20. Draw usecase on online shopping product using payment gateway.

