

## **1.What is SDLC**

### ❖ type of SDLC

- 1.Requirements Gathering
  - (I) Function Requirement
  - (II) Not-function Requirement
- 2.Analysis
- 3.Design
- 4.Implementation
- 5.Testing
- 6.Maintenance

## **2.What is software testing?**

- Software Testing is a process used to identify the correctness, completeness, and quality of developed computer software.

## **3.What is agile methodology?**

- Agile method is project term and condition

## **4.What is SRS**

- Software Requirements Specification.

## **5.What is oops**

1. Object
2. Class,
3. Abstraction
4. Encapsulation
5. Inheritance
6. polymorphism

## **6.Write Basic Concepts of oops**

- Object-Oriented Programming

## **7.What is object**

- object is a real-world entity and Behavior

### **8.What is class**

- class is collection of object
- class is a blueprint or template

### **9.What is encapsulation**

- encapsulation is collect a group of data that's called encapsulation.

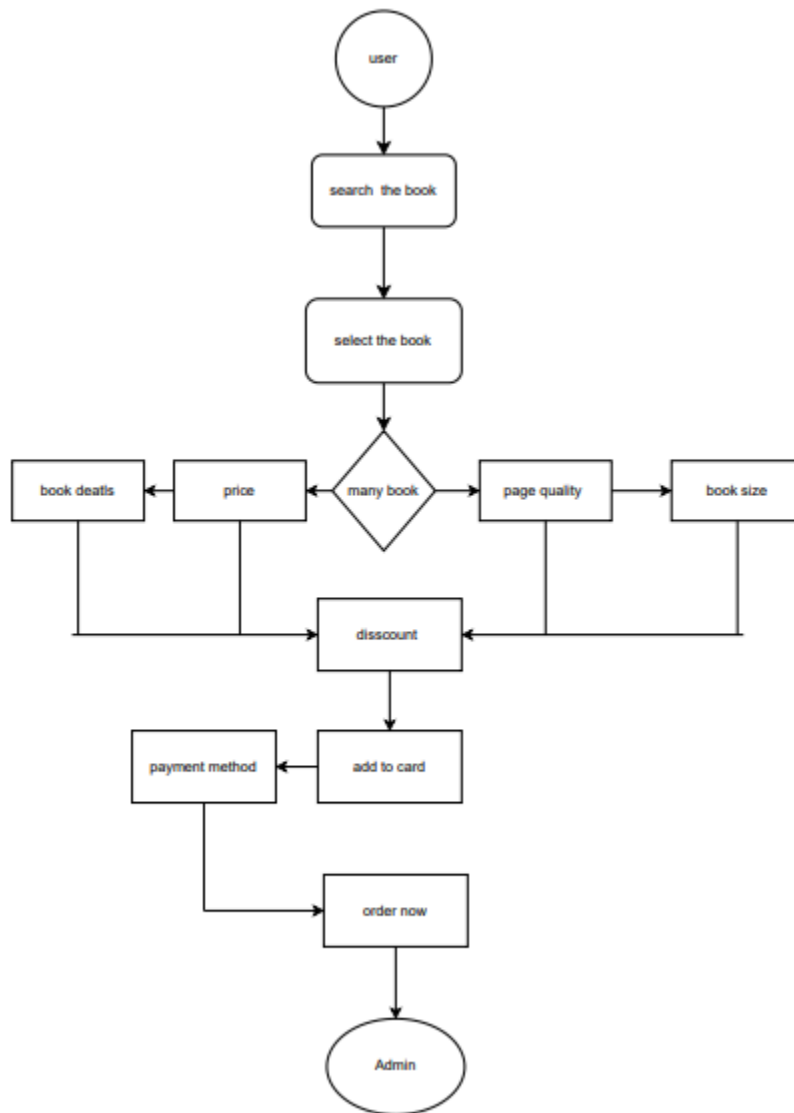
### **10.What is inheritance**

- Inheritance means that one class inherits the characteristics of another class.

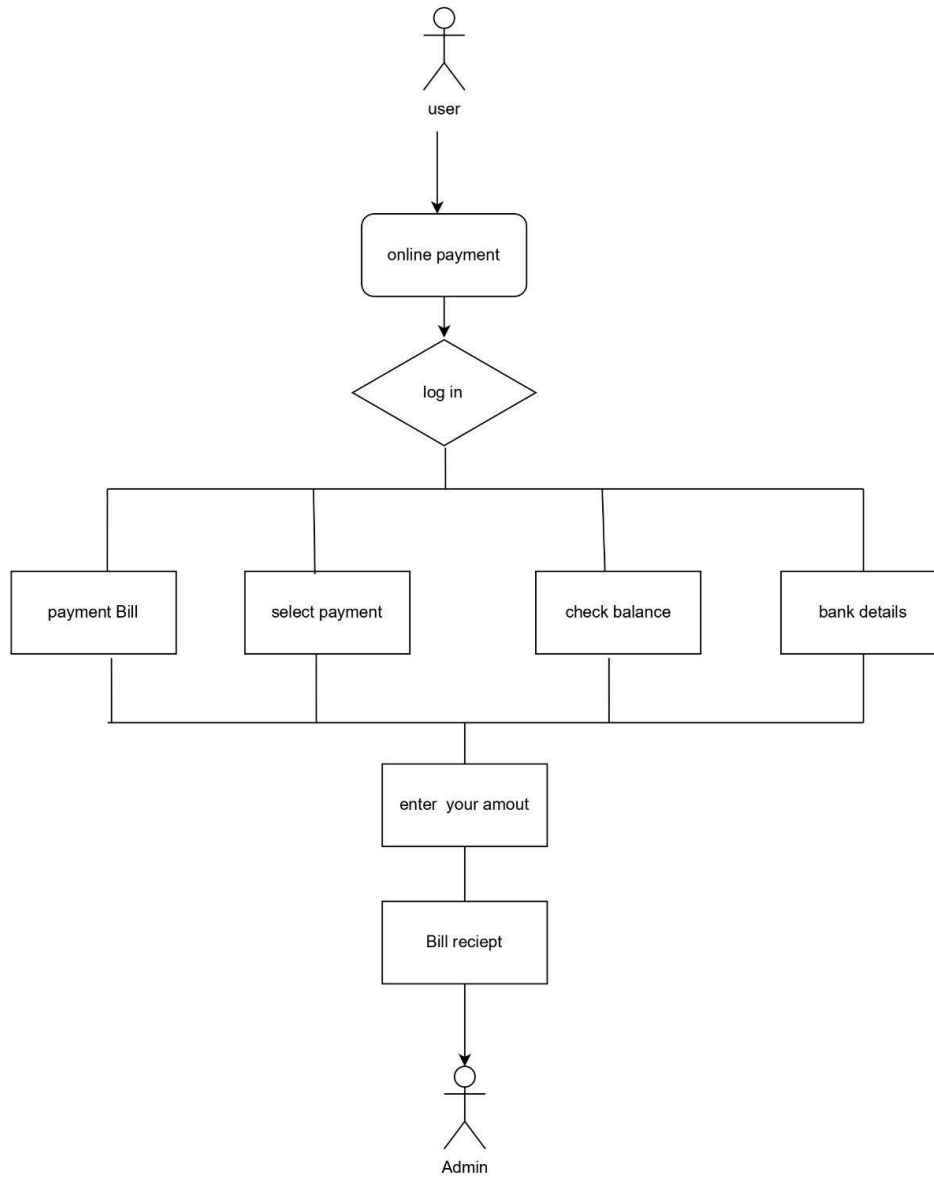
### **11.What is polymorphism**

- Polymorphism is same method or function name to behave differently based on the object .

## 12. Draw Usecase on Online book shopping



13. Draw Usecase on online bill payment system (paytm)



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

##### **SDLC**

- Requirement gathering: customer related
- 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 is linear and sequential approach

#### **16. Write phases of spiral model**

- Spiral model is large, complex, and high-risk projects.

#### **17. Write agile manifesto principles**

- Customer satisfaction and delivery
- Customer satisfaction through early and continuous delivery of valuable software.

