

1. What is SDLC?

Sdlc stand for software development life cycle.

Its work on 6 stages that are mentioned below.

(1) Requirement gathering/collection

(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 SDLC model is a combination of iterative and incremental process models with focus on process adaptability and customer satisfaction by rapid delivery of working software product.

4. What is SRS?

Srs stand for software requirement specification.

Srs is complete description of an application which is to developed.

5. What is oops?

Object oriented programming it is a way of writing programs in

Organized way.

6. Write Basic Concepts of oops?

- Class
- Object
- Inheritance
- Polymorphism
- Encapsulation
- Abstraction

7. What is object?

Object gives permission to access functionality of class.

8. What is class?

Class is collection of data member and member function.

9. What is encapsulation?

The process wrapping the data in a single unit to secure the data from outside world.

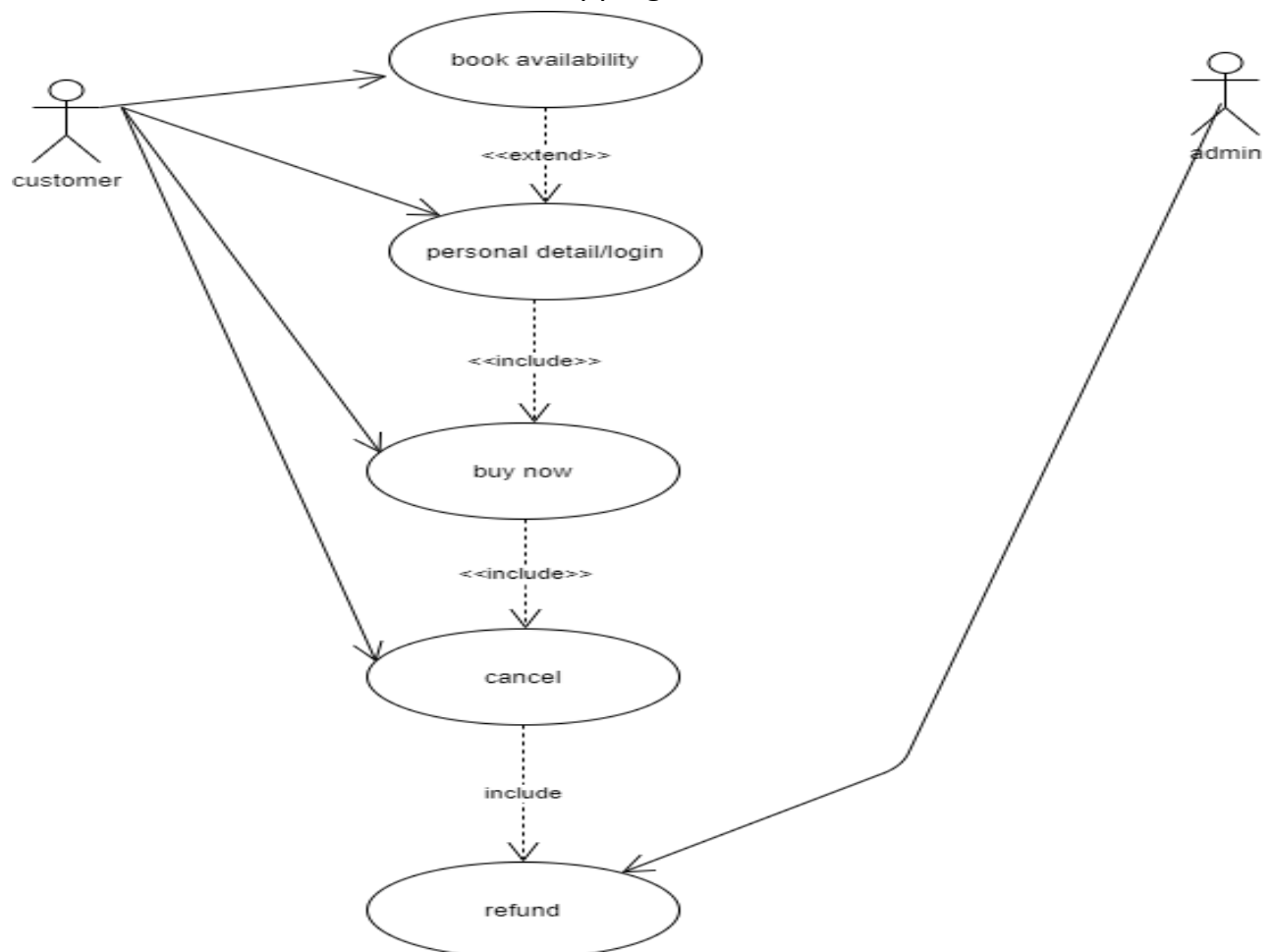
10. What is inheritance?

Making class from an existing class deriving the attribute of some other class.

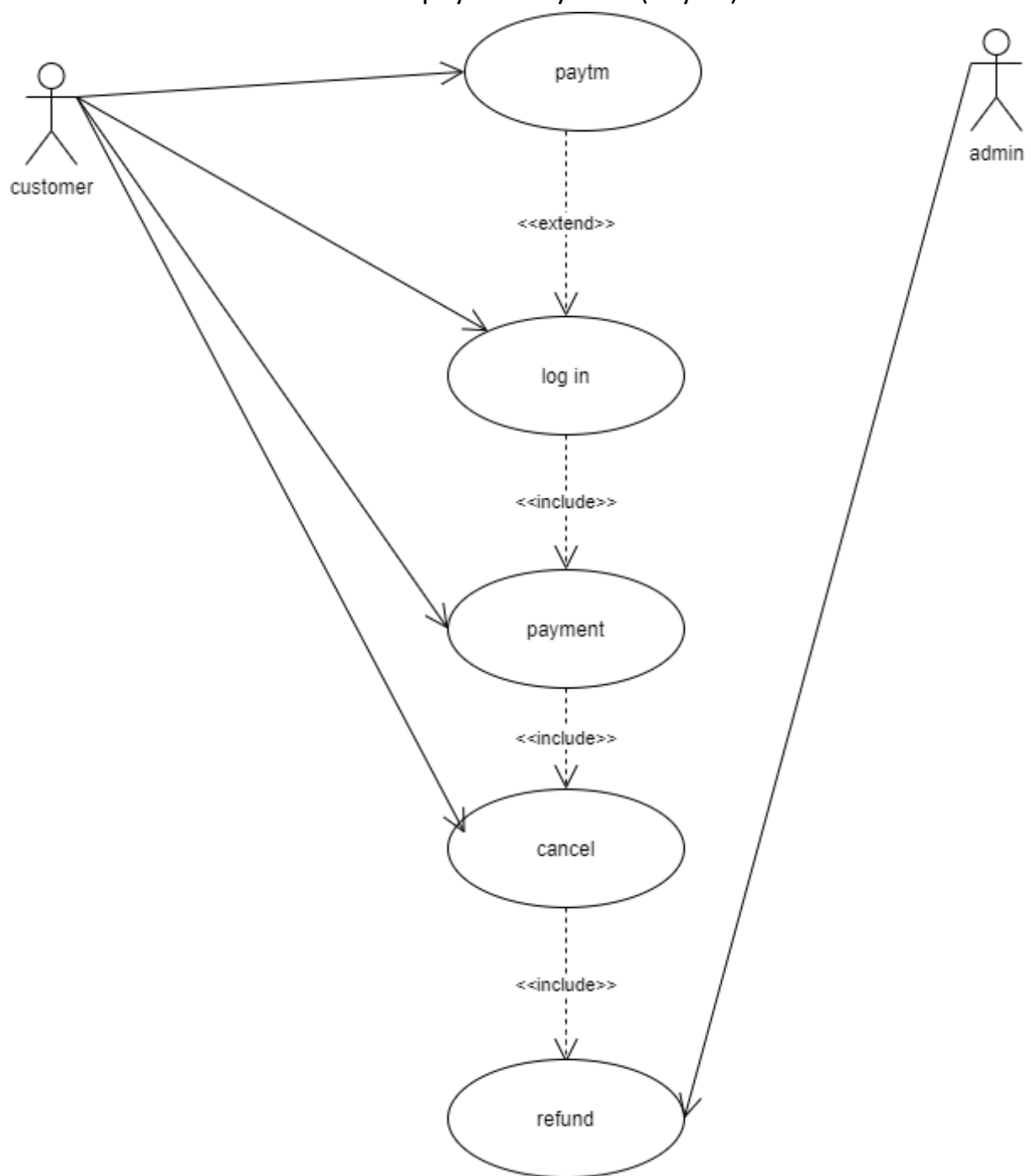
11. What is polymorphism?

One name multiple form.

12. Draw Use case on Online book shopping.



13. Draw Use case on online bill payment system (Paytm)



14. Write SDLC phases with basic introduction.

(1) requirement gathering

- Features
- Usage scenario
- User and business need change during the project.

(2) analysis

- In this we have to research and collect information about project
- We also need to know what we are making and how to make it.

(3) design

- Test plan
- Design architecture
- Performance analysis

(4) implementation

- Implementation of code
- Critical error removal

(5) testing

- In this phase we do testing on project and find defect
- Unit testing
- Application testing
- Stress testing etc.

(6) Maintenance

- It is a process of changing a system after it has been deployed
- It is process of Identify and repairing defects.

15. Explain Phases of the waterfall mode.

- Waterfall model has same life cycle as sdlc
 - (1) Requirement collection
 - (2) Analysis
 - (3) Design
 - (4) Implement
 - (5) Testing
 - (6) Maintenance

16. Write phases of spiral model.

- Planning
- Risk analysis
- Engineering
- Customer evolution

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

- In agile we divide project into parts so we can deliver project on time and measure the progress of work.

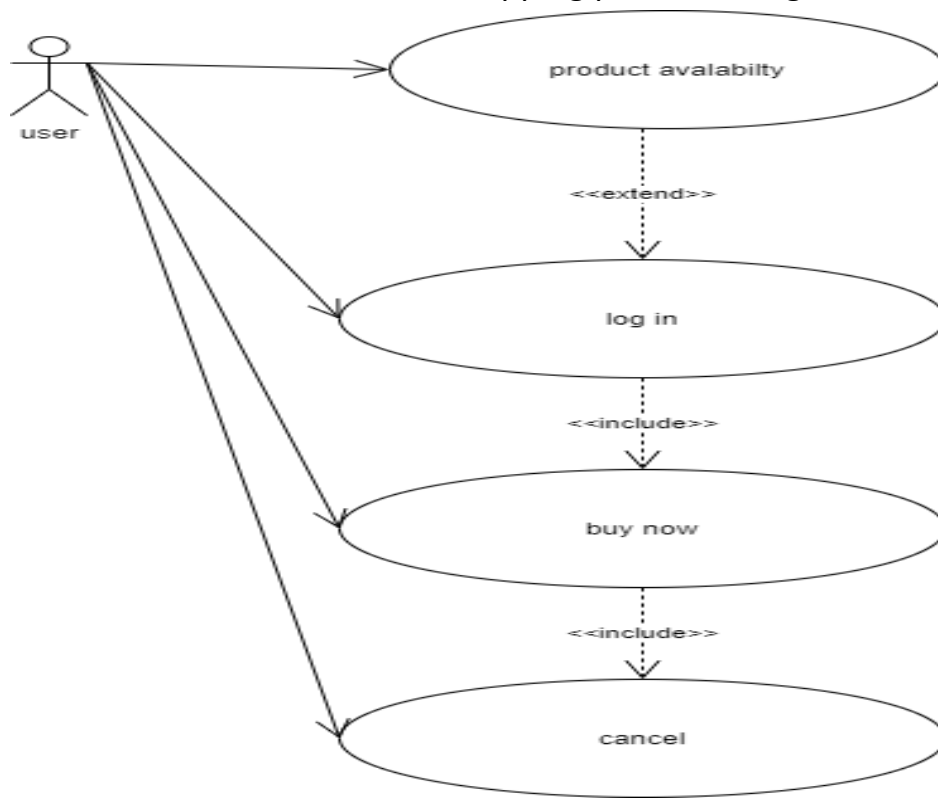
➤ Pros

- Little or no planning required
- Easy to manage
- Give flexibility to developer.

➤ Cons

- Lack of documentation
- Customer interaction is impotent
- Technology change will be challenging

18. Draw use case on Online shopping product using COD



19. Draw use case on Online shopping product using payment gateway

