

## **1. What is SRS ?**

- Software Requirement Specification : SRS is a complete description of an application which is to be developed.
- SRS contains use case diagram that describe all the interaction user will have with the software

## **2. What is oops ?**

- Object oriented programming is way of writing the programs in organized way object's are like a black box where data are hidden

## **3. Write basic concept's of oops ?**

- class
- object
- Inheritance
- polymorphism
- Encapsulation
- Abstraction

## **4. What is object ?**

- object give the permission to access functionality of class

## **5. What is class ?**

- Class is a collection of data member and member function.

## **6. What is encapsulation ?**

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

## **7.What is Inheritance ?**

- Making class from an exiting class. Deriving the attribute of some other class.

### **8.What is polymorphism ?**

- One name multiple form

### **9.What is Abstraction ?**

- Details are hidden only essential information is shown.

### **10.What is SDLC**

- A Software development life cycle is essentially a series of steps or phases, that provide a model for the development and life cycle management of an application or piece of software.

### **11.What is software testing**

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

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

- Requirements collection/Gathering ; Establish customer needs.
- Analysis ; Model and specify the requirement “what”.
- Design ; Model and specify a solution “why”.
- Implementation ; Construct a solution in software.
- Testing ; Validate the solution against the requirement.
- Maintenance ; Repair defects and adapt the solution to the new requirements.

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

- Planning ; Determination of objectives, alternatives and constraints.
- Risk Analysis ; Analysis of alternative and identification/resolution of risks.
- Engineering ; Development of the “next level” product.
- Customer Evaluation ; Assessment of the results of engineering.

#### 14.What is agile methodology ?

- It is a combination of iterative and increment model.
- It divides the software in to small incremental builds , this builds are provided in iterations, that means the project are divided in to small chunks.
- Each iteration last about two to four week.
- Each iteration involves all the team members working on area like planning, requirement analysis, design, coding, unit testing and acceptance testing.

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

- Requirements collection
- Analysis.
- Design.
- Implementation.
- Testing.
- Maintenance.

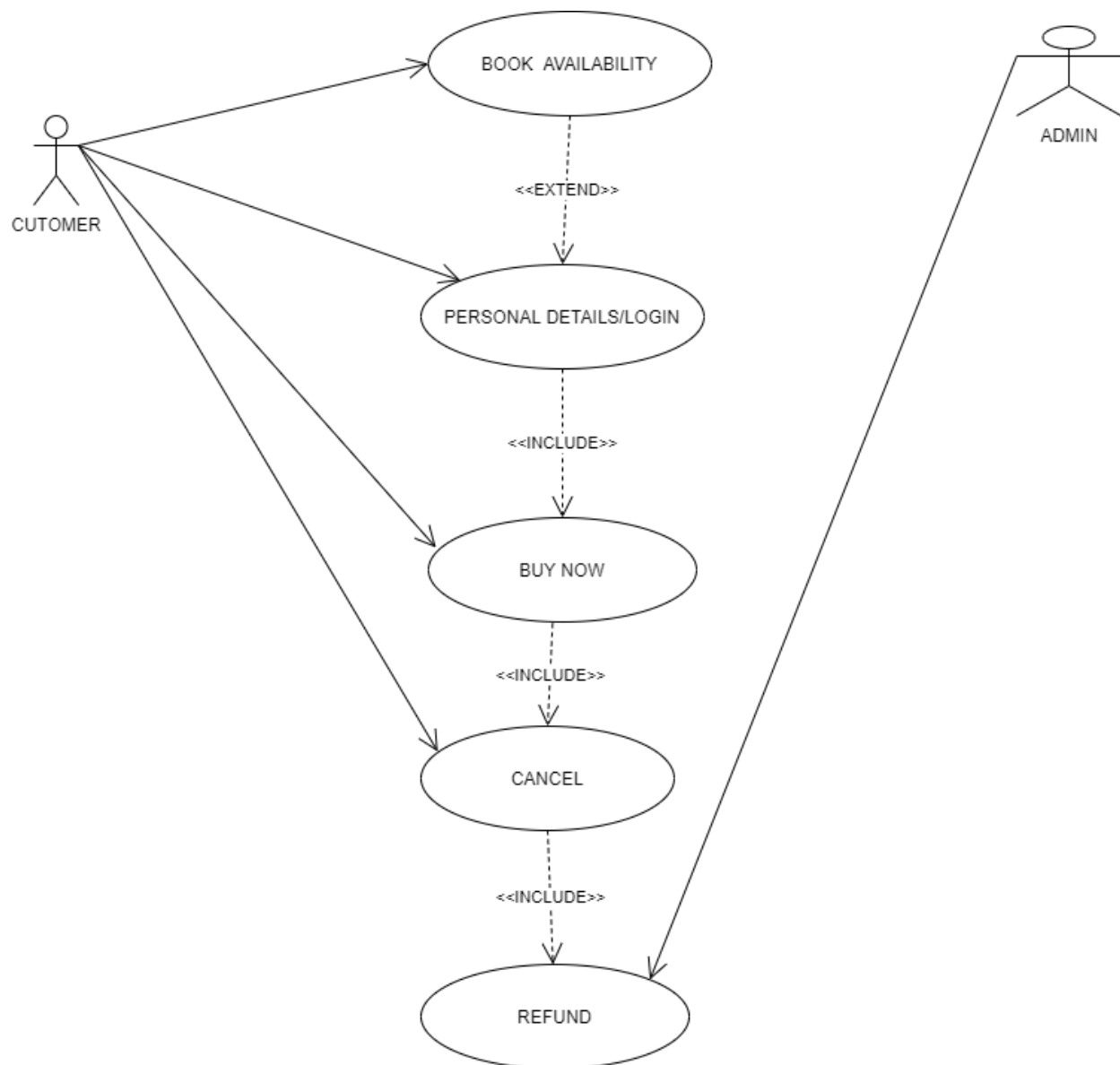
#### 16.Explain working methodology of agile model and also write pros and cons.?

- Agile model it divides the software in to small incremental builds, this builds are provide in iteration, that means the big projects are divide in to small chunks, So we can deliver project on time.
  - Pros
    - ✓ Frequent Delivery
    - ✓ Face to face communication with the customers
    - ✓ Less time
    - ✓ Adaptability

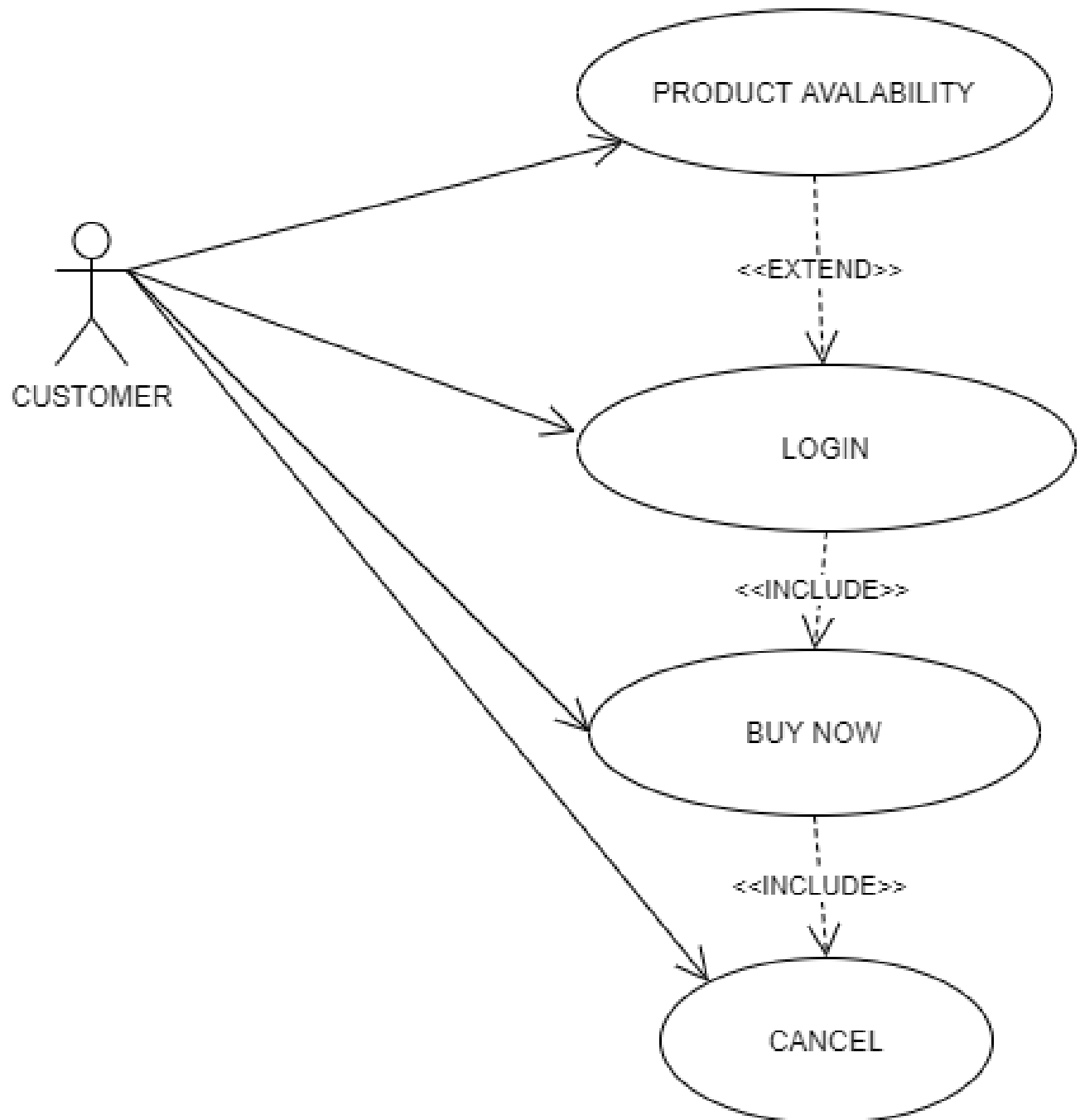
- Cons

- ✓ Less documentation
- ✓ Maintenance problem
- ✓ Technology change will be challenging

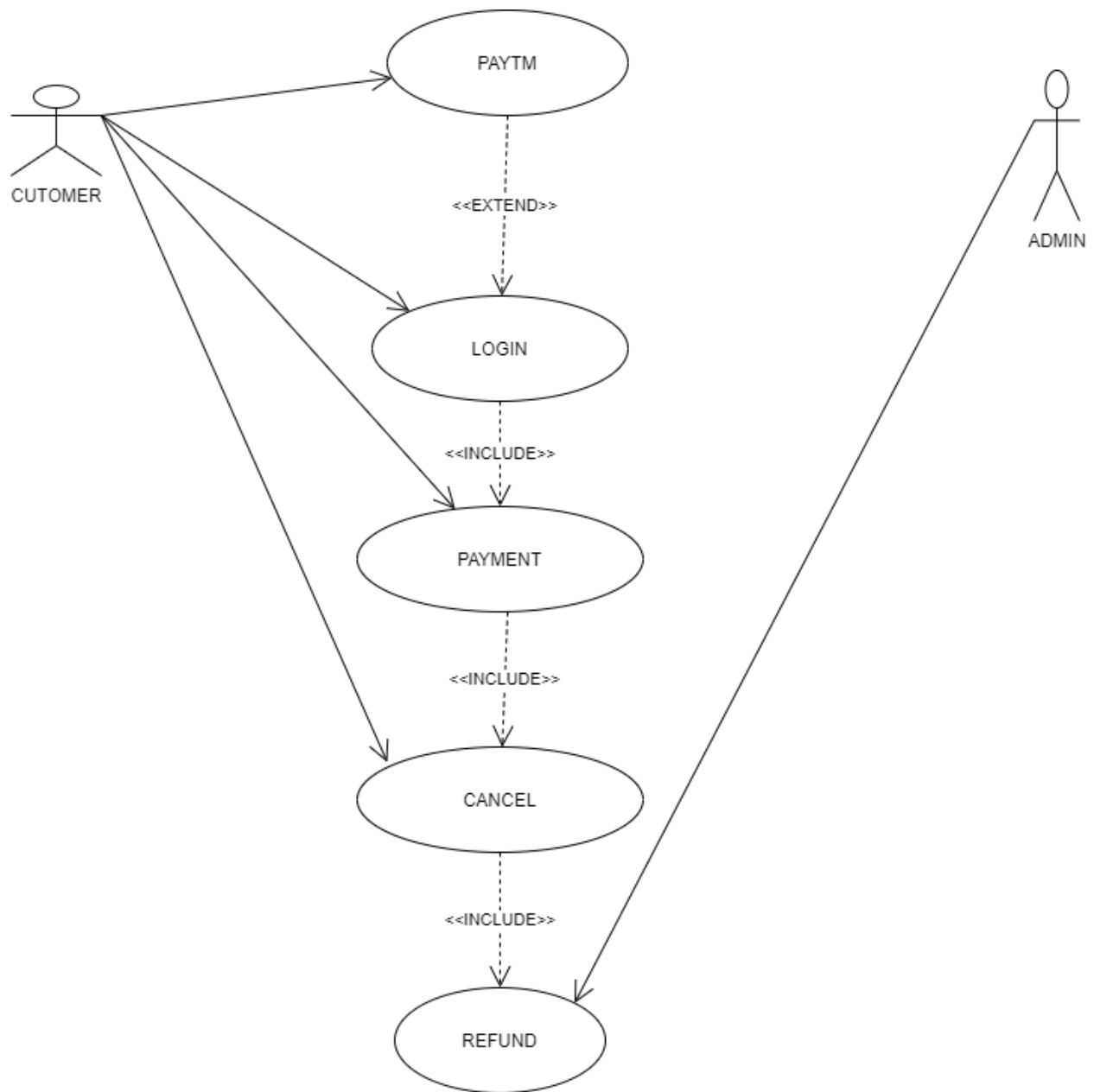
17. Draw use-case on online book shopping.



18. Draw use case on online shopping product using COD ?



19. Draw use case on online bill payment system (Paytm)



20. Draw use case on online shopping product using payment gateway?

