

Software Testing Assignment

Module – 1

01) What is SDLC ?

Ans:- SDLC is short form of Software Development Life Cycle. It is a series of Step or Phases that provides the Model of Development.

02) What is Software Testing ?

Ans:- Software Testing is the process of verifying that the software product or application does what is support to do.

03) What is Agile Methodology ?

Ans:- The Agile Methodology is a process management approach the involves breaking the project into phases and emphasizes continuous collaboration and improvement.

04) What is SRS ?

Ans:- SRS is short form of System Requirement Specification. It is a document that describes what the Software will do and how it will be expected to perform.

05) What is OOPs ?

Ans:- OOPs is a short form of Object Oriented Programming

- Identifying Objects and assigning Responsibilities to these objects.
- Objects communicate to other objects by sending messages.
- Message are received by the Methods of an object.

06) Write basic concepts of OOPS ?

- Ans:-**
1. Class
 2. Object
 3. Encapsulation
 4. Inheritance
 5. Polymorphsim
 6. Abstraction

07) What is Object ?

Ans:- Object is used to give permission to access functionality of class.

08) What is Class ?

Ans:- Class contain data members and member functions.

09) What is encapsulation ?

Ans:- Encapsulation is the practice of including in an object everything it needs hidden from other objects.

10) What is Inheritance ?

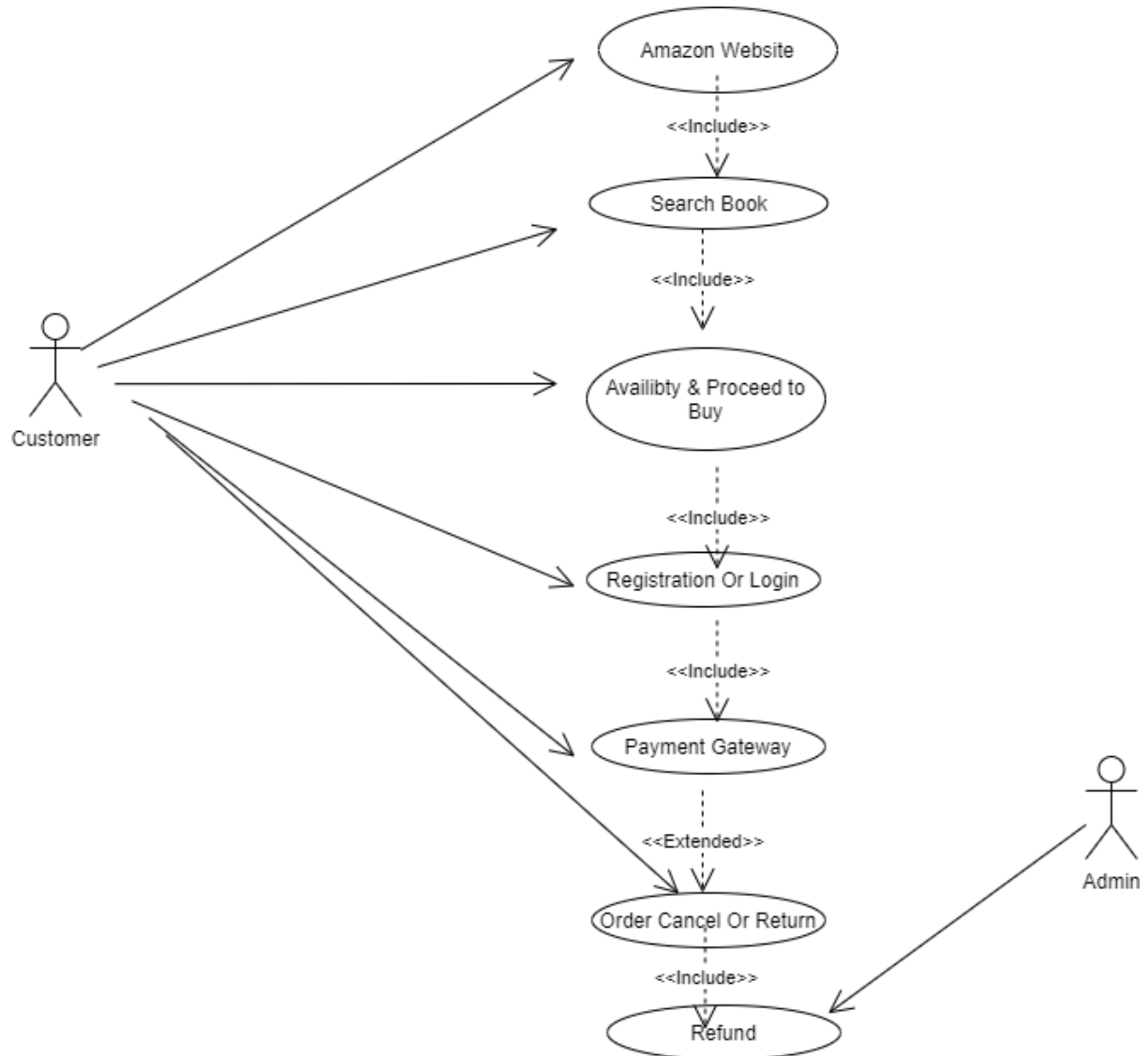
Ans:- Inheritance describe the relationship between the two class.

11) What is polymorphism ?

Ans:- Polymorphism means having many forms.

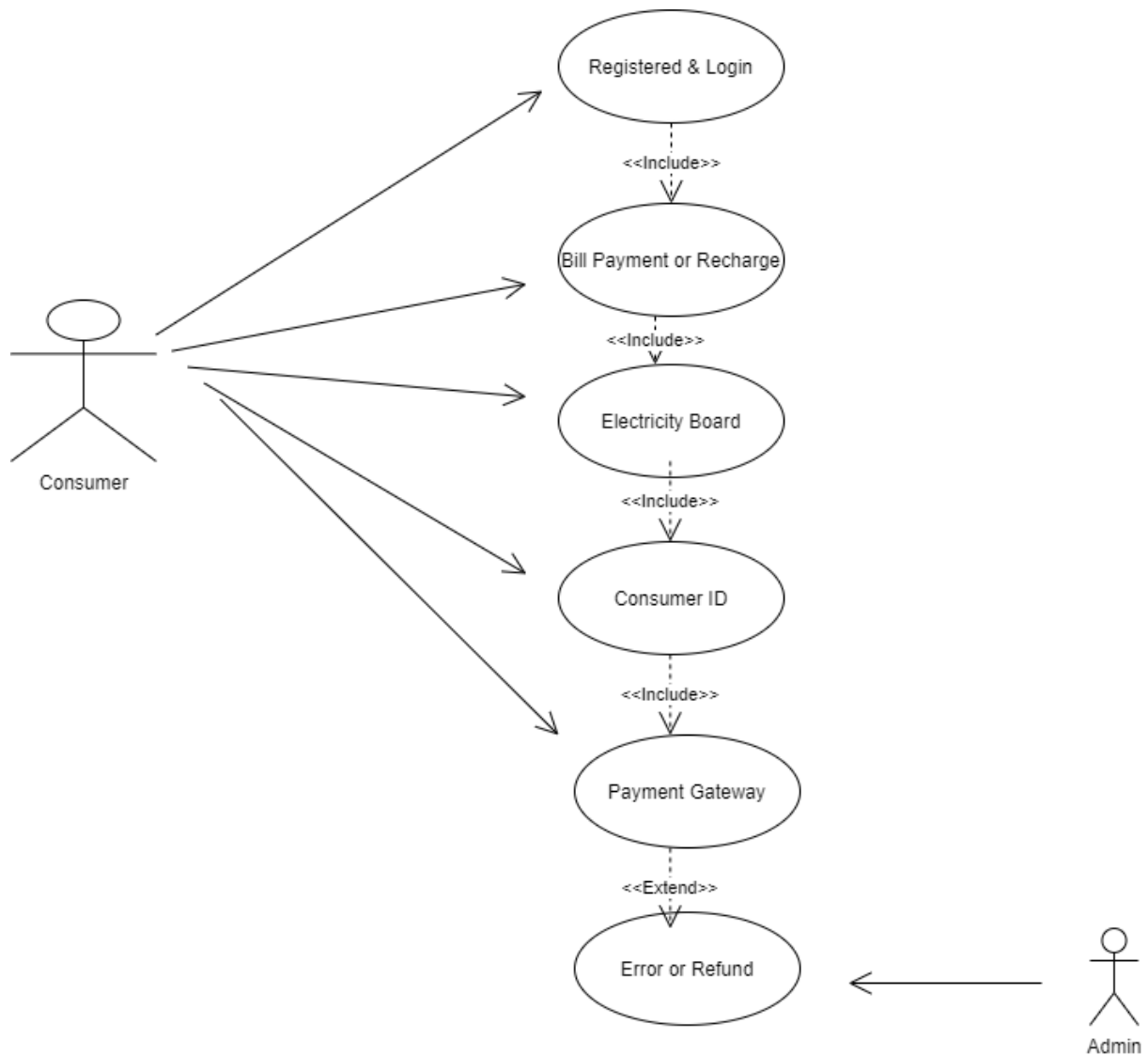
12) Draw Usecase on Online Book Shopping.

Ans:-



13) Draw Usecase on Online Bill Payment System (Paytm)

Ans:-



14) Write SDLC phases with basic introduction ?

Ans:- 1- Requirements Gathering or Collection

2- Analysis Phase

3- Design Phase

4- Implementation Phase

5- Testing Phase

6- Maintenance Phase

15) Explain Phases of the Waterfall Model ?

Ans:- 1- Requirements Collection

2- Analysis

3- Design

4- Implementation

5- Testing

6- Maintenance

16) Write Phases of Spiral Model ?

Ans:- 1-Planning

2- Risk Analysis

3- Engineering

4- Customer Evaluation

17) Write Agile manifesto principles ?

Ans:- 1. Individual and Interaction

2. Working Software

3. Customer collaboration

4. Responding to Change

18) Explain working methodology of Agile model and also write pros and cons ?

Ans:- Planning, Development, Testing, Deployment, Maintenance and Retirement.

Pros :

1- Is a very realistic approach to software development.

2- Promotes Team Work & Cross Training.

3- Resource requirements are minimum.

4- Suitable for fixed or changing requirements.

5- Delivers early partial working solutions.

6- Easy to manage.

7- Give flexibility to developers.

Cons :

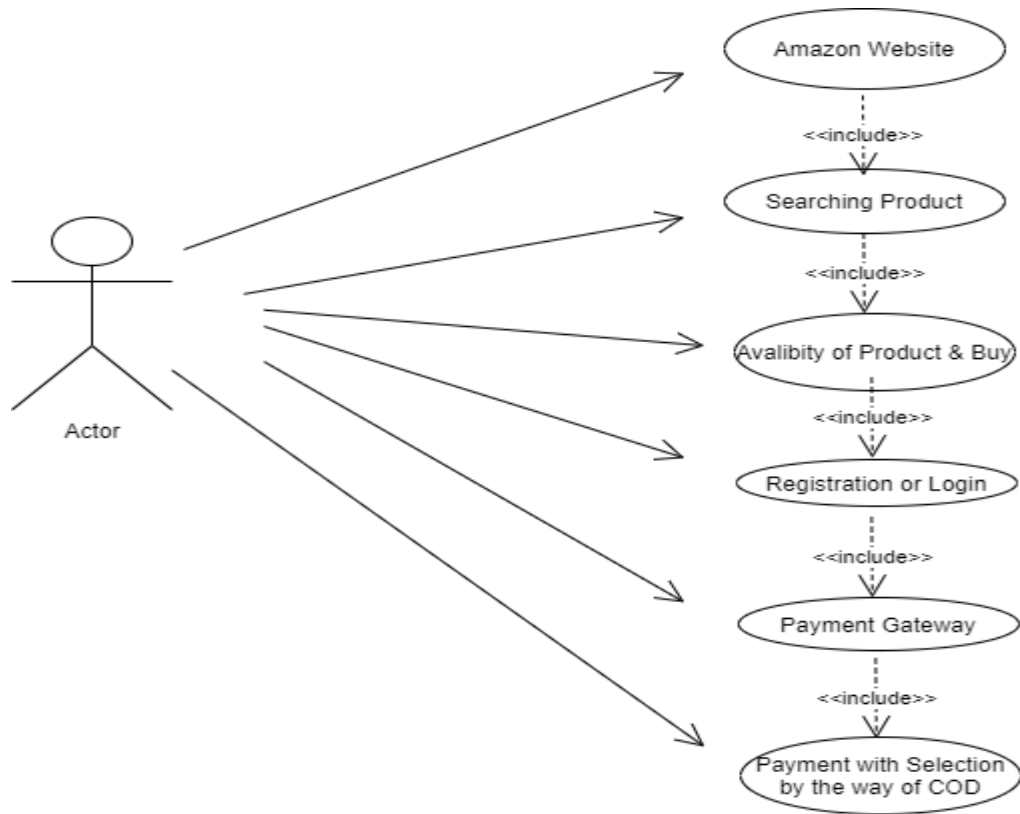
1- Not suitable for handling complex dependencies.

2- More risk of sustainability, maintainability & extensibility.

3- There is very high individual dependency, since there is minimum documentation generated.

19) Draw Usecase on Online Shopping product using COD ?

Ans:-



20) Draw Usecase on Online Shopping product using payment gateway ?

Ans:-

