Software Testing Assignment

Module – 1

1) What is SDLC ?

Ans : SDLC is a structure imposed on the development of a software product that defines the process for planning, implementation, testing, documentation, deployment, and ongoing maintenance and support.

2) What is software testing?

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

3) What is agile methodology?

Ans : 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?

Ans : A software requirements specification (SRS) is a complete description of the behavior of the system to be developed.

5) What is oops?

Ans : Object-Oriented Programming is a methodology or paradigm to design a program using classes and Objects.

6) Write Basic Concepts of oops.

Ans : There are total concepts of oops. That are as following
- Object
- Class
- Inheritance
- Polymorphism
- Abstraction
- Encapsulation

7) What is Object ?

Ans : An object represents an individual, identifiable item, unit, or entity, either real or abstract, with a well-defined role in the problem domain. In other words
An "object" is anything to which a concept applies.

8) What is Class?

Ans : A class represents an abstraction of the object and abstracts the properties and behaviour of that object.

9) What is encapsulation?

Ans : Encapsulation is the practice of including in an object everything it needs hidden from other objects. The internal state is usually not accessible by other objects.
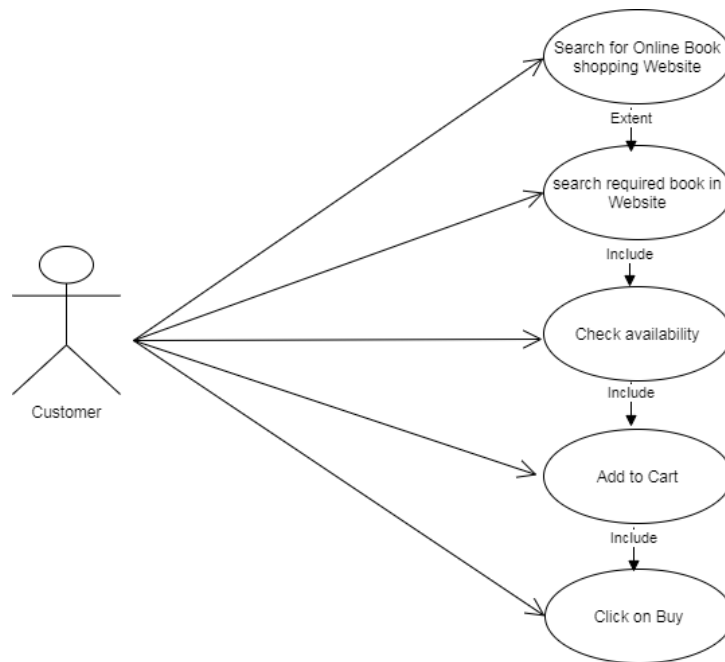
10) What is inheritance?

Ans : Inheritance means that one class inherits the characteristics of another class. This is also called a "is a" Relationship.

11) What is polymorphism?

Ans : Polymorphism means "having many forms". It allows different objects to respond to the same message in different ways, the response specific to the type of the object.
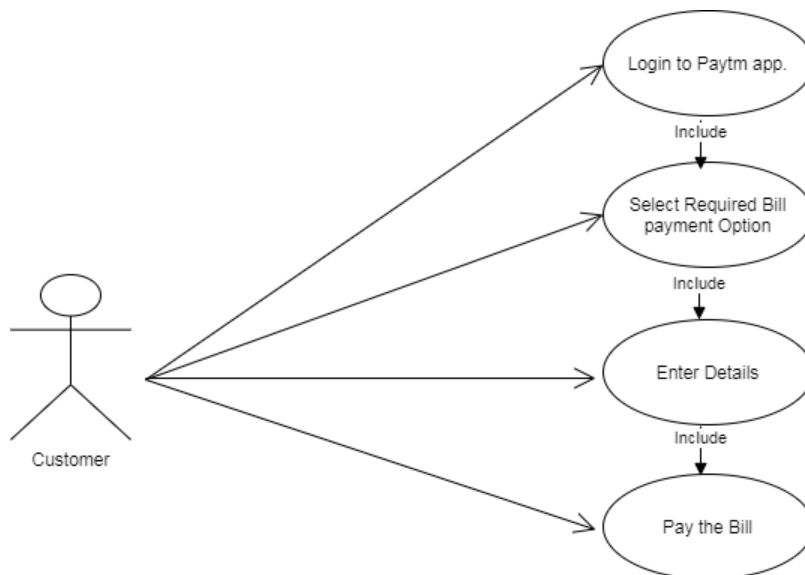
12) Draw Usecase on Online book shopping

Ans :

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

Ans :

14) Write SDLC phases with basic introduction

Ans : there are total 6 phases of SDLC that are following.

- Requirements Collection/Gathering
- Analysis
- Design
- Implementation
- Testing
- Maintenance

15) Explain Phases of the waterfall model

Ans : The five-stage waterfall model, which is based on the requirements of Winston W. Royce, divides development processes into the following project phases: analysis, design, implementation, testing, and operation.

16) Write phases of spiral model?
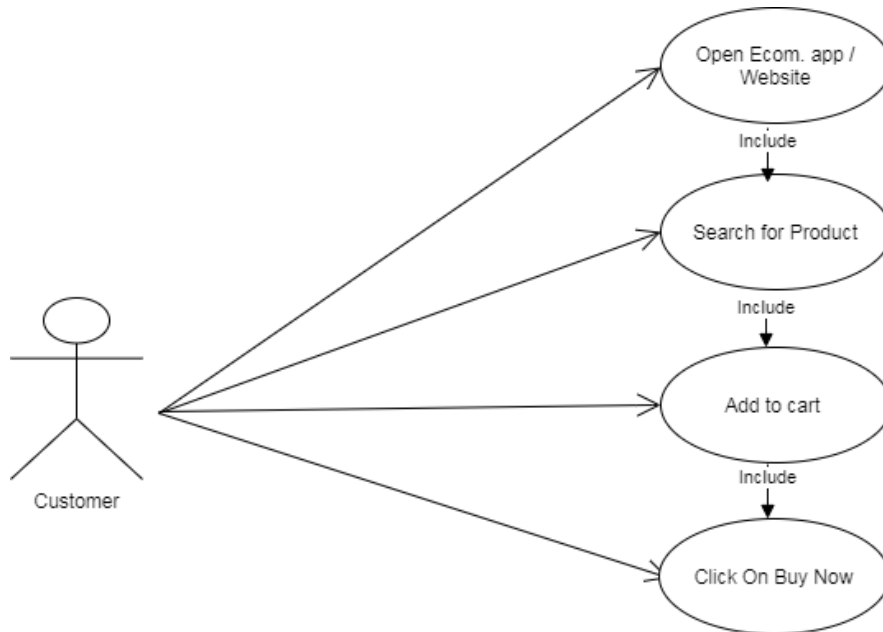
Ans : The spiral model has four phases: 1) Planning
                                     2) Risk analysis
                                     3) Product development
                                     4) Customer Evaluation

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

Ans : The Agile methodology is **a way to manage a project by breaking it up into several phases**. It involves constant collaboration with stakeholders and continuous improvement at every stage. Once the work begins, teams cycle through a process of planning, executing, and evaluating.

18) Draw usecase on Online shopping product using COD.

Ans :

19) Draw usecase on Online shopping product using payment gateway.

Ans :