

# Software Testing Assignment

## Module – 1(Fundamental)

What is SDLC ?

Ans: Software Development Life Cycle means it is a process of how software is developed .It is a model which shows the steps to develop the software .

What is software testing ?

Ans : Software testing is a process where we can identify the completeness, correctness and to check the quality of the software .

What is agile methodology ?

Ans : Agile methodology means making a software in small parts and delivering it with continuous feedback and improvements.

What is SRS ?

Ans : Software Requirement Specifics gives the developers , web designer and software tester a map of what requirements are needed to make a software .

Write SDLC phases with basic introduction ?

Ans : This are the following phases of SDLC:-

1. Requirement Gathering Phase :- in this phase we gather the customer's requirement, for example UI ,security ,functionality ,design ,server and number of servers
2. Analysis Phase :- in this phase we convert the CRS( customer requirement specifics) to SRS( software requirement specifics)
3. Design Phase :- in this phase the design is prepared according to the SRS
4. Implementation Phase :- coding
5. Testing Phase :- in this phase the testing is done to identify the correctness, completeness and to check errors.

6. Deployment Phase :- in this phase the software is deployed into the market and the software is tested by the developers, testers and customer
7. Maintenance Phase :- in this phase the software's defect is corrected, the software is adapted into new version or device and new version of the software is released.

Explain phase of waterfall model ?

Ans : The waterfall model is a step by step SDLC process where every step is carefully completed by the team and they move forward to the next phase . In this model the team can't go back to the previous step because the requirements are frozen.

Write the phases of spiral model ?

Ans : The Bohem's spiral model is only when to analysis the risk and the budget is less .

The phases of the spiral model are :

1. Planning : in this phase the planning of objectives and alternatives
2. Risk analysis : in this phase the risk are analysis and the ways are made to eliminate risk .
3. Engineering : in this phase the software is developed and tested .
4. Customer evaluation : in this phase the customer evaluates the software according to his/her requirements.

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

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.

Agile model delivers the software into small parts with continuous feedback and improvements.

Write Basic Concepts of oops ?

Ans : This are the basic concept of oops :-

1. Class
2. Object
3. Encapsulation
4. Inheritance

5. Polymorphism
6. Abstraction

What is object?

Ans : Object gives permission to access to class to perform a function .

What is class ?

Ans : It is the collection of the data .

What is encapsulation ?

Ans : it is a wrapping of data.

What is inheritance ?

Ans : To inherit a class from another class.

What is polymorphism ?

Ans : One name multiple forum . When one software has multiple functions.

Write agile manifesto principles ?

Ans : This are the following manifesto of agile methodology :-

1. Early and continuous delivery make customer satisfied
2. Any change in the middle of the development is accepted
3. Continuous delivery of the working software
4. Proper communication between the customer and developer is compulsory
5. Trust and motivation should be there in the team members
6. Face to face communication inside the team brings project successful
7. Working software is the primary goal
8. Steady development is the most important part to keep the operation running
9. Continuous attention to technical detail and design for perfect quality
10. Simplicity in the software
11. Self organized and skilled team is requirement
12. Team regularly reviews and improve the effectiveness of the work

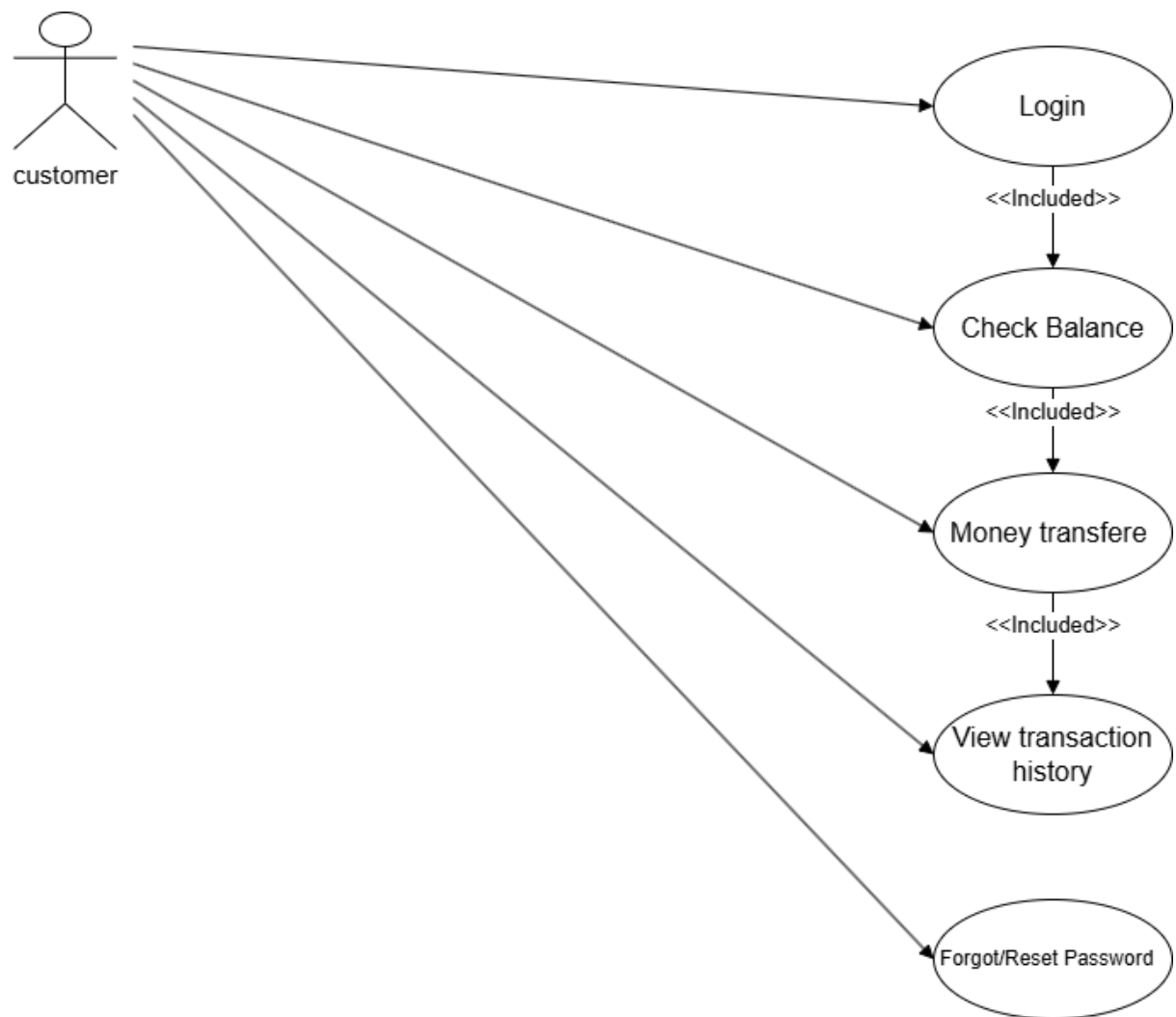
What is oops?

Ans : To way to write code.

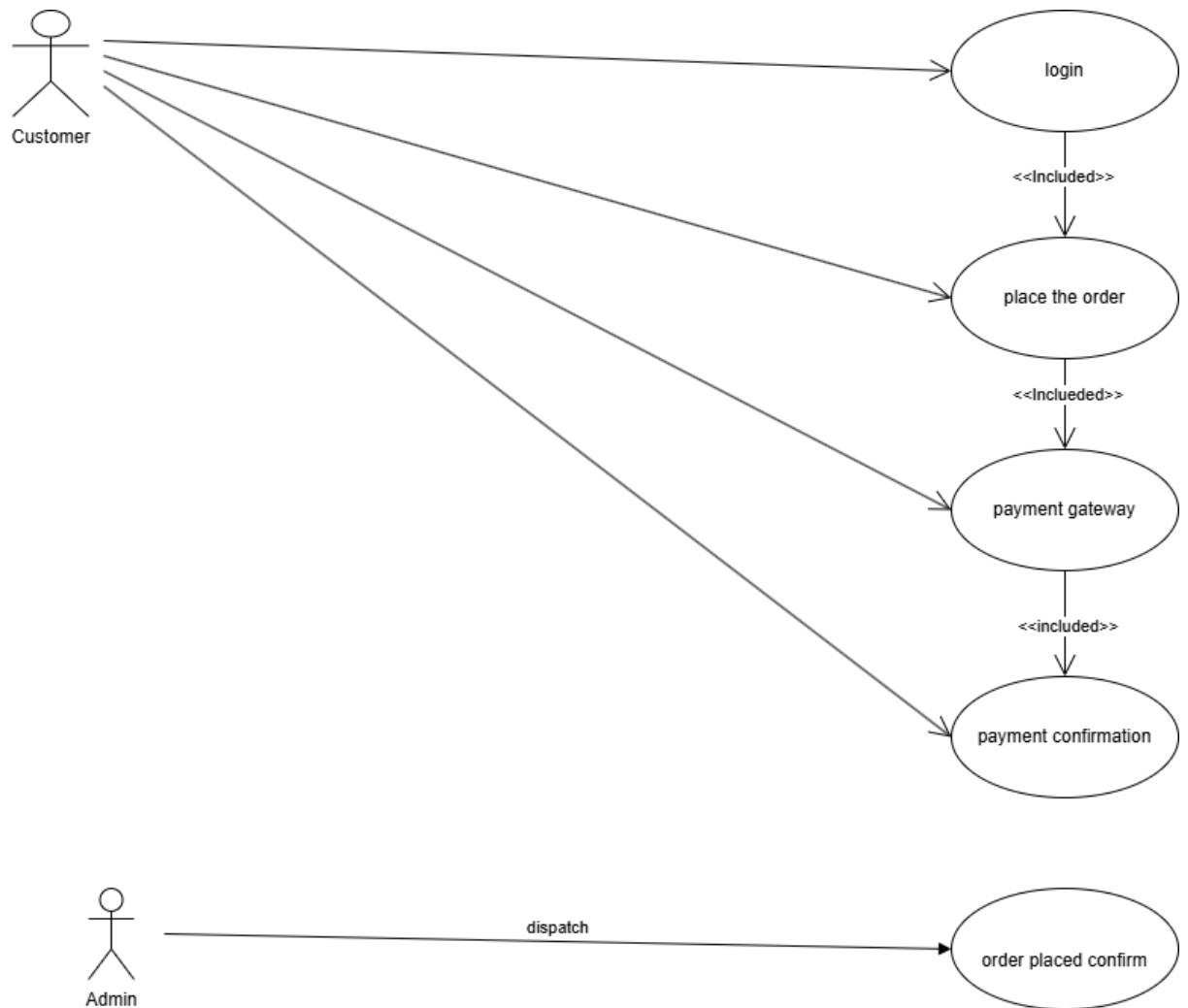
## Usecase of online bill Payment



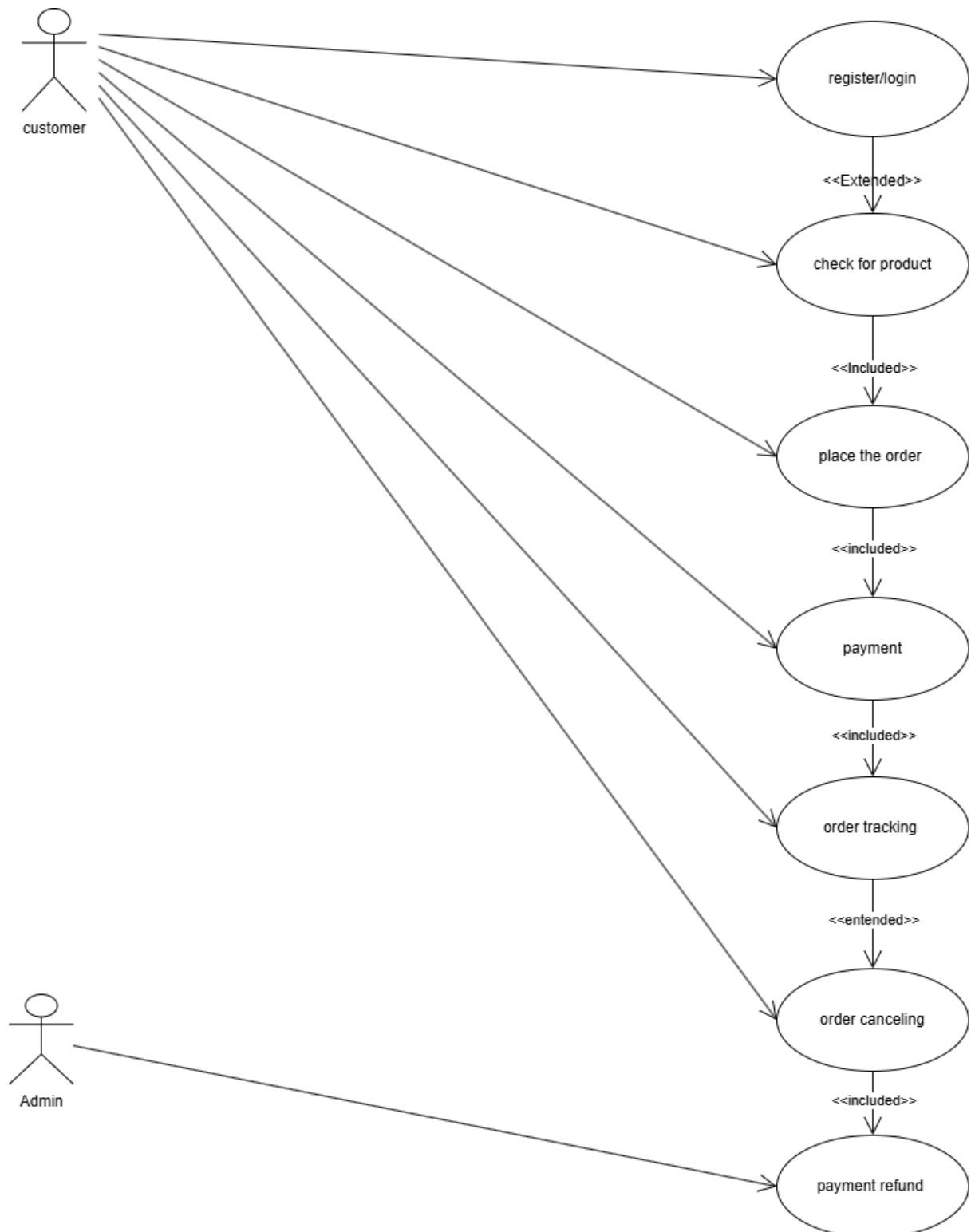
## Usecase of banking system



## Usecase on online shopping product using payment gateway

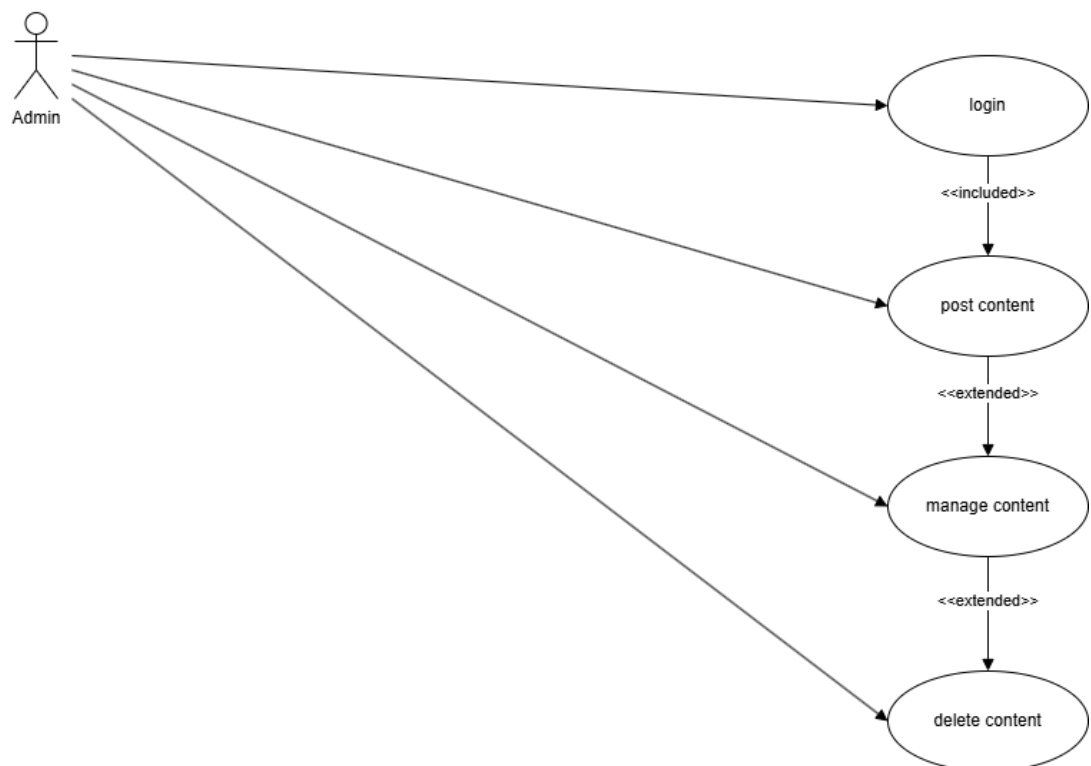
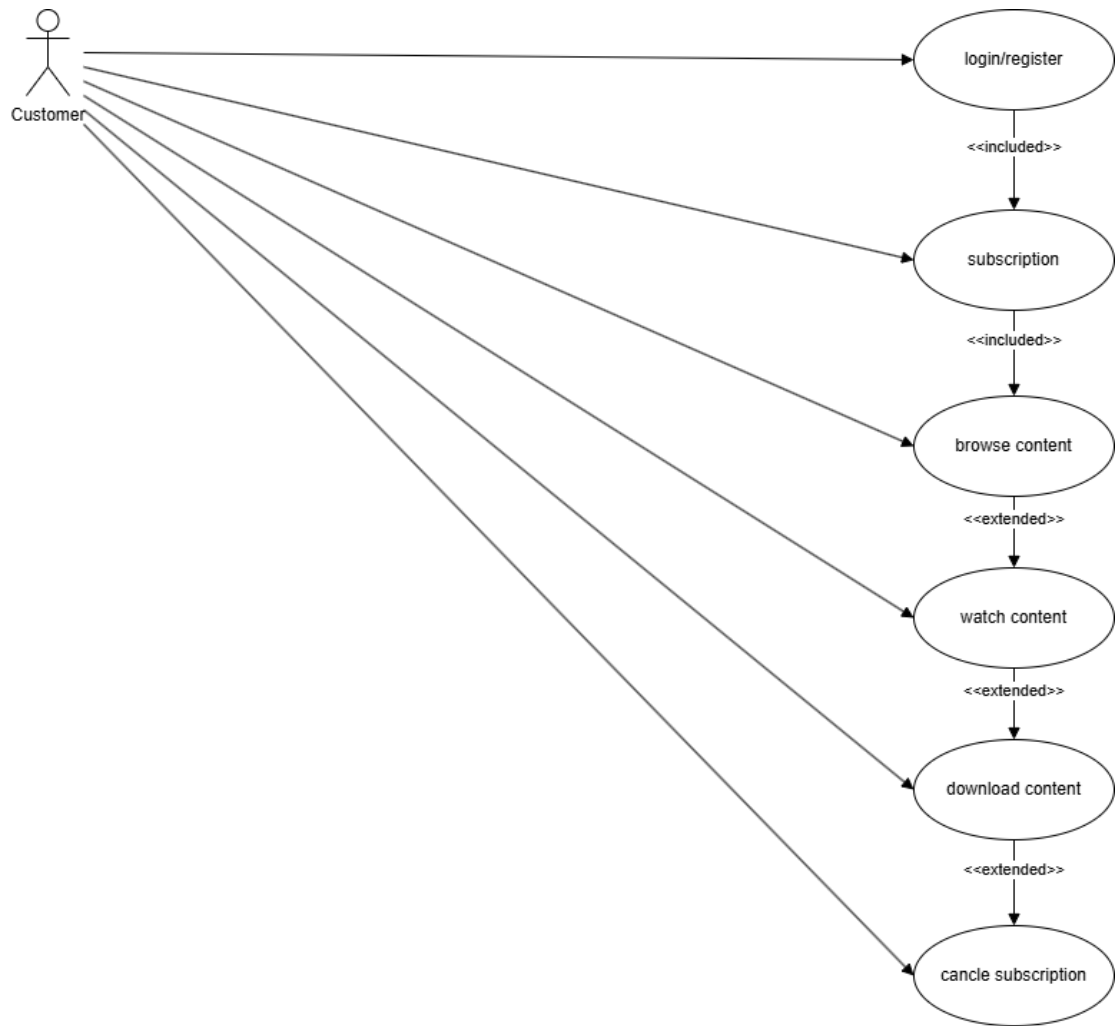


## Usecase on E-Commerce Application





Usecase on ott platform



## Usecase on broadcasting system

