

**What is SDLC ?**

SDLC is a software development life cycle.

**What is software testing ?**

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

**What is agile methodology ?**

It is a combination iterative and increment model

It divides the software into small incremental builds this build are provided in iteration , that means the bug projects are divided into small chunks.

**What is SRS ?**

SRS is a complete description of an application which is to be developed .

**What is oops ?**

Object oriented programming is way of writing the programme is organized way object are like a black box where data are hidden.

**Write basics concept of oops ?**

- Class
- Object
- Inheritance
- Polymorphism
  - Overloading
  - Overriding
- Encapsulation
- Abstraction

**What is object ?**

Object gives the permission to access functionality of the class .

**What is class ?**

Class is a collection of data member and member function .

**What is encapsulation ?**

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

**What is inheritance ?**

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

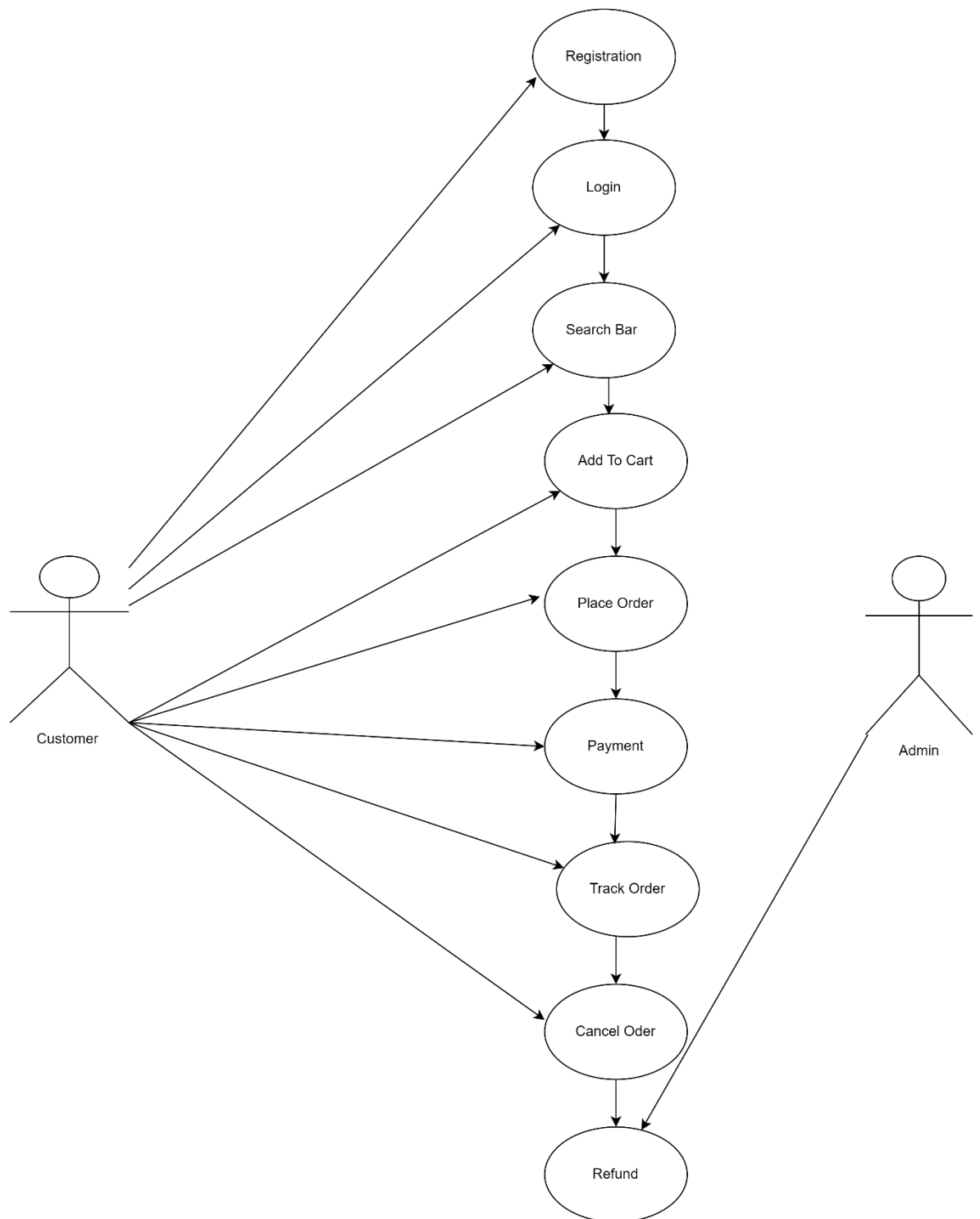
**What is polymorphism ?**

One name multiple form

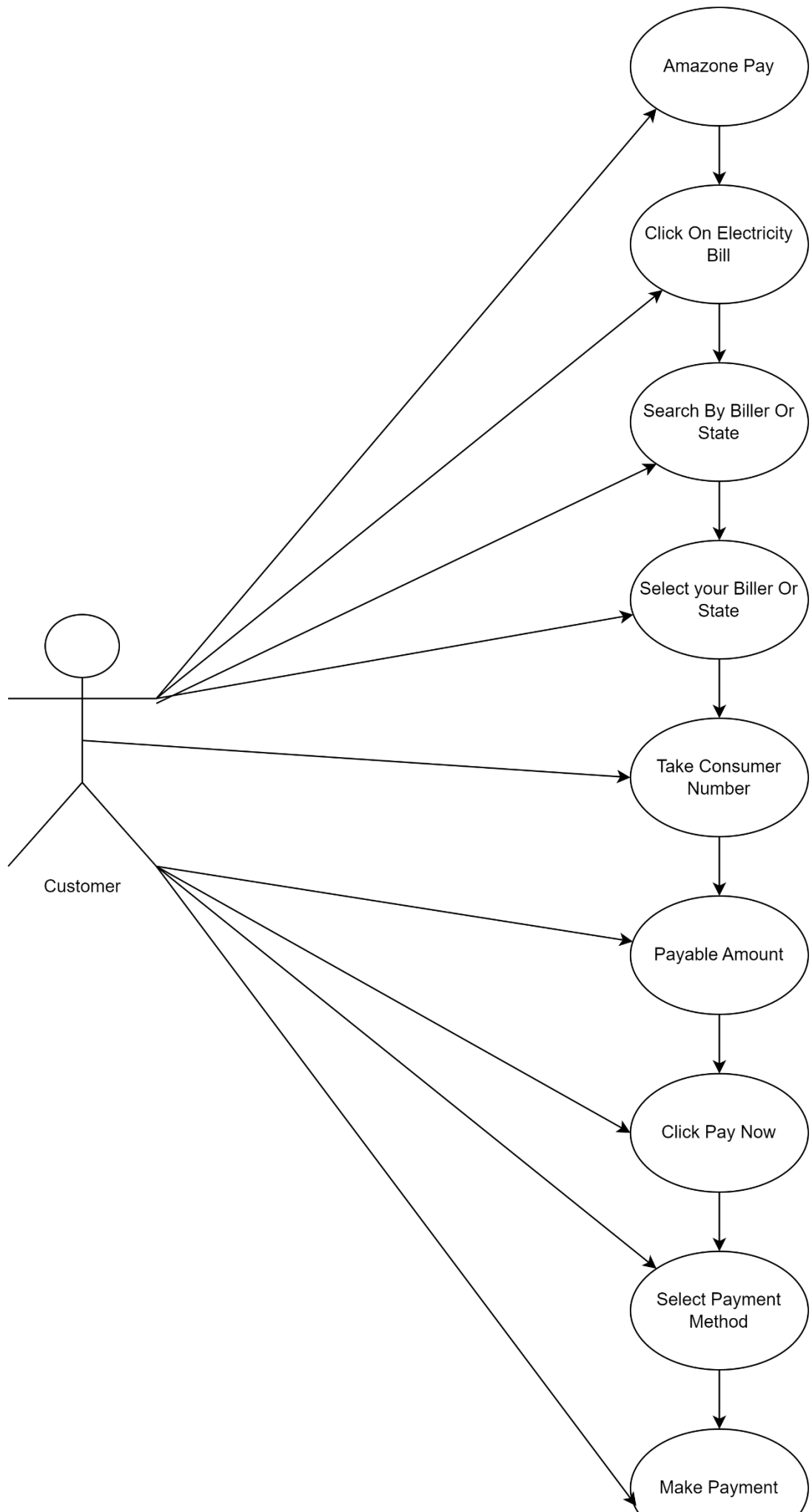
### Type

- Over riding = Same name of function with some parameter but definition will be different .
- Over Loading = function over loading – same function name but different parameter.

**Draw use case on online book shopping ?**



**Draw usecase on online bill payment system (Amazone Pay) ?**



### Write SDLC phases with basic introduction ?

Requirements collection / Gathering	Establish customer needs
Analysis	Model and specify the requirements – 'what'
Design	Model and specify a solution – 'why'
Implementation	Construction the solution in software
Testing	Validate the solution against the requirements
Maintenance	Repair defects and adapt the solution to the new requirement

### Explain phases of the waterfall model ?

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

### Write phases of spiral model ?

- Planning = determination of objectives, alternatives and constraints initial requirements
- Risk Analysis = Analysis of alternatives and identification / solution of risk
- Engineering =
- Alpha demo customer evolution = Assessment of the results of engineering

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

- It is a combination iterative & incremental model.
- It divided the software into small incremental builds, this build are provide in in iteration, that means the big projects are divided into small chunks.
- Each iteration last about one to three weeks.
- At the end of the iteration the working product is displayed to the customer or the important stake holder & it is released in the market
- After the release we check for the feedback of deployed software
- In any enhancement is needed in the project then it's done & it's released.

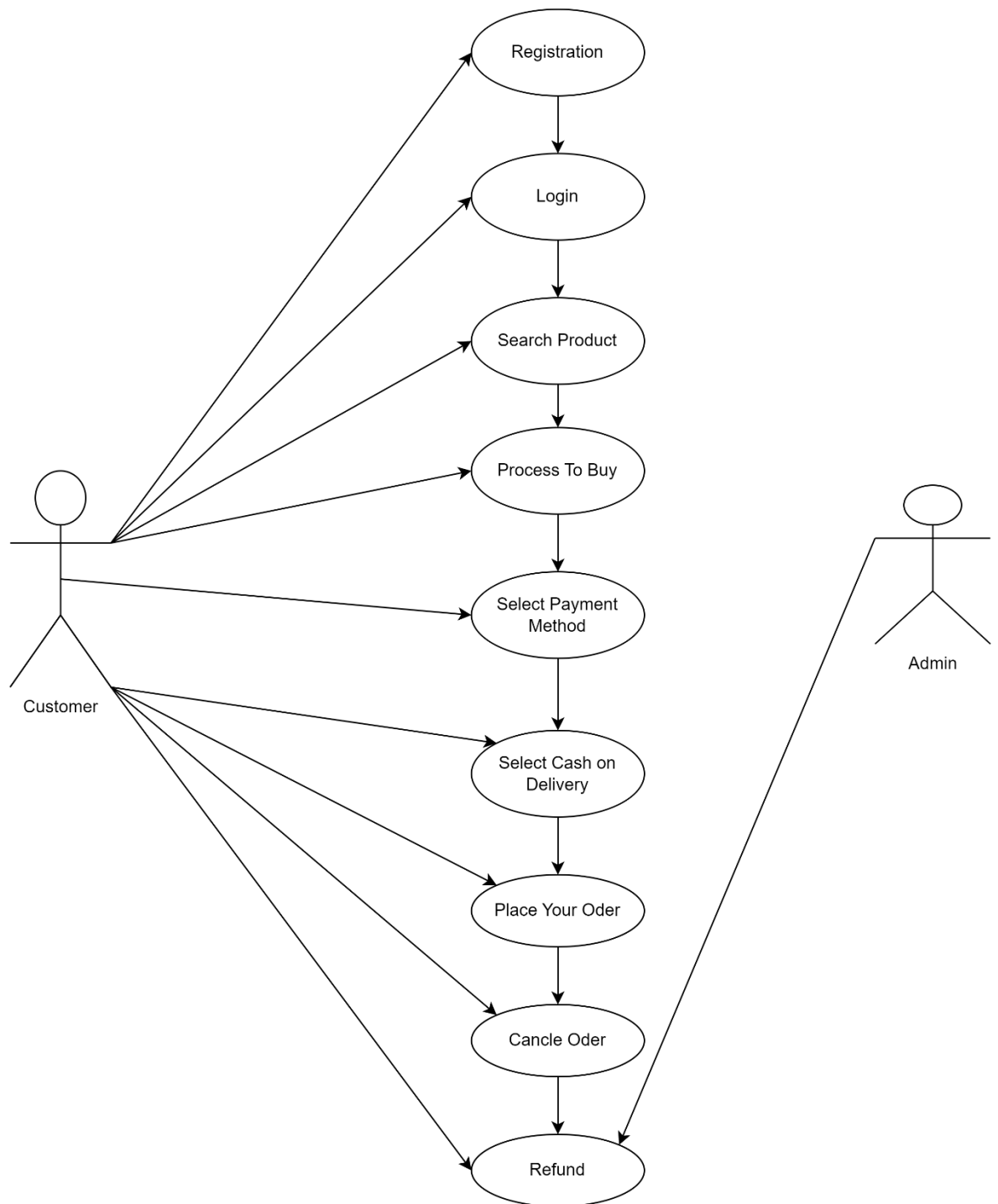
#### PROS

- Frequent delivery
- Face to face communication with the customer
- Less time
- Adaptability

#### CONS

- Less documentation

- Maintenance
- Draw use case on online shopping product using COD
- 



Draw use case on online shopping product using payment gateway ?

