What is SDLC?

SDLC stands for Software Development Life Cycle. SDLC is development process that consist planning, implementation, documentation, testing, deployment, maintenance.

What is software testing?

Software testing is a process used to identify errors, bugs in a program or application. Also, software testing is a process used to identify the correctness, completeness andquality of computer software.

What is agile methodology?

Agile methodology is a combination of iterative & incremental process model with focus on process adaptability & customer satisfaction by rapid delivery of software product.

Agile model break into smaller incremental builds.

What is SRS?

SRS stand for software requirement specification. SRS is a complete description of the behaviour of the system ti be developed. It includes sets of use cases that describe all interaction that user have with the software.

What is OOPS?

Oops is object oriented programming. Oop is focus on object/data rather than process.

Write basic concept of oop?

It has 6 concepts of OOP :-object, class, encapsulation, inheritance, polymorphism, abstraction.

What is object?

Object is part/instance/example representative of class.

What is class?

It is a blueprint for an object.

What is encapsulation?

Encapsulation is wrapping up of data into a single unit.

What is inheritance?

Inheritance is ability to adapt the behaviour of parent class to child class.

Here two or more class are in parent-child relation.

What is polymorphism?

Polymorphism is having many form/types. And ability to represent in different way.

Write SDLC phases with basic introduction.

There is 6 SDLC phases as given: requirement gathering, analysis, design, implementation, testing, maintenance. Their basic introduction as below:

Requirement gathering: it is a document that require what customer needs. Requirement has two types which is Functional & non-functional.

Analysis: this phase defines the requirement of the system, and how these requirement will be accomplished.

Design: the design phase is for specifying software & system design requirement.

Implementation: in this phase developer start build their system by writing code. In this phase we have to build what exactly has been requested.

Testing: in this phase testing team has start to verify that application is working accordingly as per client need.

Maintenance: it is the process of optimizing software as well as repair defects.

Explain phases of waterfall model?

1.Requirement collection: this phase is to understand the exact requirement of customer.

2.Analysis: it defines overall software architecture design document.

3.Design: this phase need detailed design document to understand system, software architecture.

4.implementation: this phase is coding phase that based on design specification.

5.Testing: in this phase software is tested to ensure software is free from bugs.

6.maintenance: this phase involves fixing any issue after the deployment of software.

Write phases of spiral model.

There are four phases in spiral model: Planning, risk analysis, engineering, customer evaluation.

Write agile manifesto principles.

Individual & interaction, over processes & tools,

Working software over comprehensive documentation.

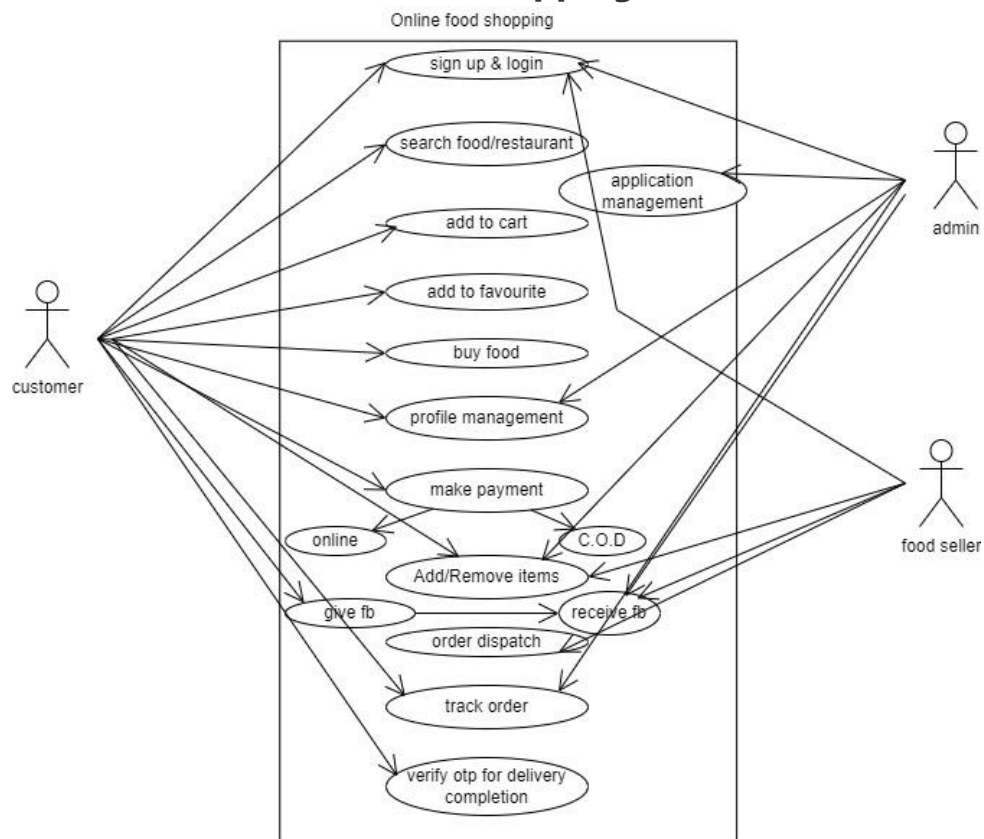Customer collaboration over contract negotiation

Responding to change over following a plan.

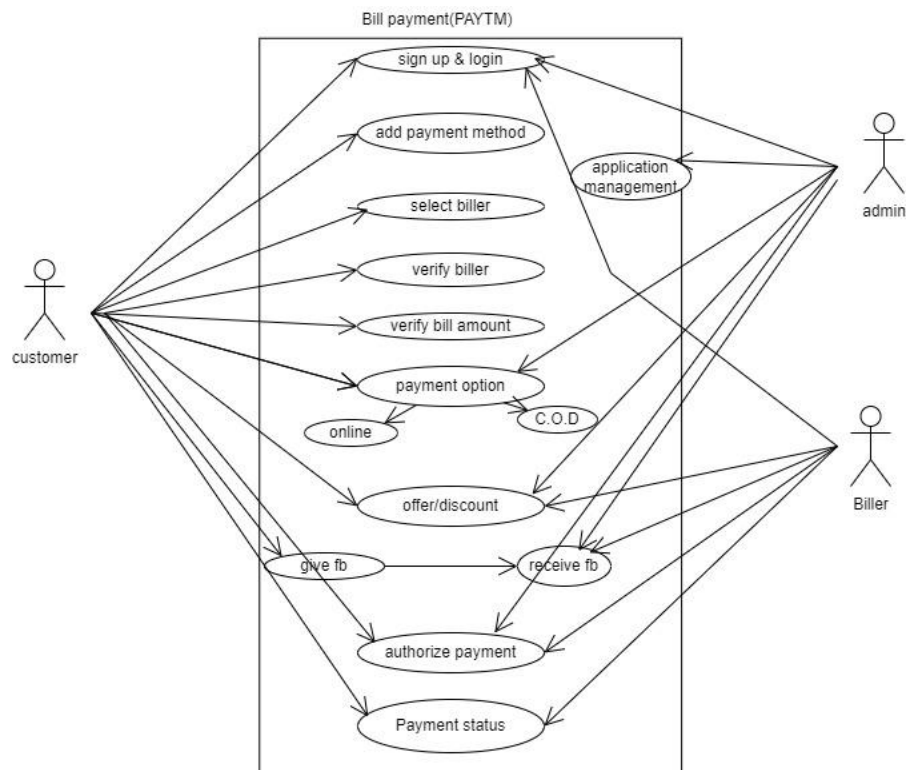**Explain working methodology of agile model also write pros & cons**

Agile model is a combination of iterative & incremental process model that focus on process adaptability & customer satisfaction by delivery of working software.

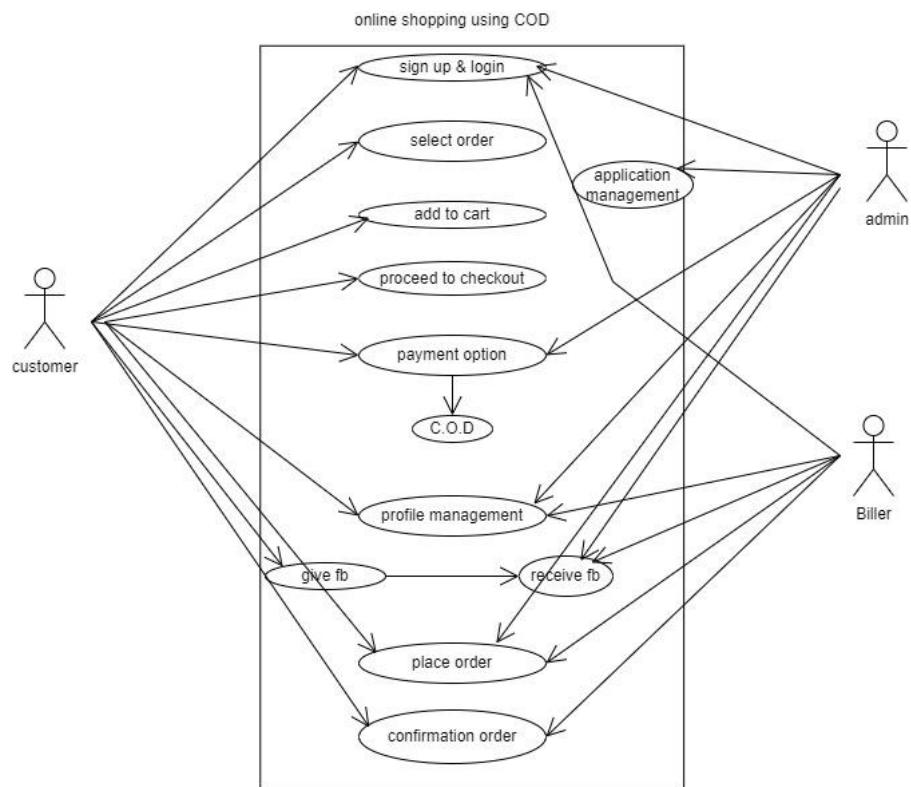Agile model break product into small incremental builds.

Draw usecase online food shopping

Online food shopping

- sign up & login
- search food/restaurant
- application management
- add to cart
- add to favourite
- buy food
- profile management
- make payment
- online
- C.O.D
- Add/Remove items
- give fb
- receive fb
- order dispatch
- track order
- verify otp for delivery completion

Actors: customer, admin, food seller

Online bill payment system(PAYTM)

Bill payment(PAYTM)

- sign up & login
- add payment method
- application management
- select biller
- verify biller
- verify bill amount
- payment option
- online
- C.O.D
- offer/discount
- give fb
- receive fb
- authorize payment
- Payment status

Actors: customer, admin, Biller

Usecase on online shopping using COD

online shopping using COD

Usecase on online shopping product using payment gateway

online shopping using
payment gateway