What is sdlc ?

Software development life cycle is a series of steps or phases, that provide a model for the development and life cycle management of an apicatinor piece of a software

Sdlc phases

Require collation

Analysis

Design

Implementation

Testing

Maintenance

What is software testing?

Software testing is the art of developing quality software on time and within budget.

What is agile methodology?

In agile methodology tasks are divided to time boxes to deliver specific features for a release.

Rapid delivery of working software product

Break the product into incremental builds.

What is srs?

Software requirement specification is based on computer programming languages and environment machine packages application architecture distributed on architectural layering.

What is oops?

Object oriented programming is like writing data as a critical element program.

It allows decomposition of program called objects and then data and function

Around objects.

Write basic concepts of oops?

* Object
* Class
* Encapsulation inheritance
* Polymorphism

Overriding

Overloading

* Abstraction

What is an object?

An object represents an individual, identifiable,item , unit or abstract, with a well defined role in the problem domain.

This is the basic unit of object oriented programming.

What is encapsulation?

Encapsulation is the practice of including in an object everything it needs hidden from other object.the internal state is usually not accessible by other objects. Encapsulation is placing the data and the functions that work on that data in the same place.

What is abstraction?

Abstraction is the representation of the essential features of an object. The data abstraction refers to providing only needed information and hiding their background details.

What is polymorphism?

Polymorphism means “having many forms''. It allows different objects to refer to the same message in different ways, the response specific to the type of the object. The ability to change form is known as polymorphism.

What is inheritance ?

Inheritance means that one class inherits the characters of another class. This is also called a relationship.write agile manifesto

Write agile manifesto principles ?

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 products.

Agile methods break the product into small incremental builds.

Each iteration typically lasts from about one to three weeks.

Every iteration involves cross functional teams working on various areas like planning, analisis, design,coding, unit testing and acceptance testing.

Write sdlc phases with basic introduction.

Requirement gathering:-

The requirements are collected using a number of practices as given.

Studying the absolute system and software.

Conducting interviews of

and developers.

Referring to the database.

Collecting answers from questionnaires.

Types of requirements describes constraints on the system or development process.

Analisis phase:-

The analysis phase defines the requirements of the system , independent of how these requirements will be accomplished.

This phase defines the problem that the customer is trying to solve.

Details on computer programming languages and environments, machines, packages, application architecture layering, memory size,platform, algorithm ,data structures, global type definitions, and many other engineering details are established.

Design phase:-

Design architectural document

Implementation plan

Critical priority analysis

Performance analysis

Test plan

The requirement document must guide this decision process.

Implementation phase ➖

In the implementation phase , the team builds the components either from scratch or by composition.

The implementation phase deals with issues of quality, performance,baselines, libraries, and debugging.

Testing phase:-

Simply stated,quality is very important.

It is much easier to explain to customers why the product lacks quality.

Regression testing

Internal testing

Unit testing

Application testing

Stress testing

Use case Diagram: