SOFTWARE TESTING ASSIGNMENT

MODULE-1

FUMDAMENTAL

1. WHAT IS SDLC ?

SDLC as known as SYSTEM DEVELOPMENT LIFE CYCLE.

1. WHAT IS SOFTWARE TESTING?

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

1. WHAT IS AGILE METHODOLOGY?

Agile methodology is helps developer test their code continuously and rapidly. This methodology also allows tester to get immediate feedback from customer.

1. WHAT IS SRS?

SRS as known as Software Requirement Specification.

1. WHAT IS OOPS?

OOPS as known as Object Oriented Programming.

1. WRITE THE BESIC CONCEPTS OF OOPS?

There are total six concept of OOPS

1. CLASS
2. OBJECT
3. ENCAPULATION
4. INHERITANCE
5. POLYMORPHISM
6. ABSTRACTION.
7. WHAT IS CLASS?

Class is a Structure in which we can have member function and member variables are there.

1. WHAT IS OBJECT?

Object is instant of class which has state hand behavior.

1. WHAT IS ENCAPSULATION?

Encapsulation is wrapping data into single unit.

1. WHAT IS INHERITANCE?

INHERITANCE is access property of one class to another class.

1. WHAT IS POLYMORPHISM?

POLYMORPHISM IS same function name but having different functionality with different behavior.

1. DRAW USECASE ON ONLINE BOOK SHOPPING?

<https://drive.google.com/file/d/1WC40R7ZJORuHSDeeSLjzmYtjts_83muH/view?usp=sharing>

1. DRAW USECASE ON ONLINE BILL PAYMENT SYSTEM?

https://app.diagrams.net/#G1WC40R7ZJORuHSDeeSLjzmYtjts\_83muH#%7B%22pageId%22%3A%22lCl4fNqecU9w0fRyVw2R%22%7D

1. WRITE SDLC PHASES WITH BESIC INTRODUCTION?
2. **Requirement Gathering**

This phases helps in establish customer needs.

1. **Analysis**

Requirement analysis, seek to identify and record the precise requirement of the final users.

1. **Design**

The design phases is all about building the framework, model and specify a solution.

1. **Implementation**

The developer will then start building the entire system by writing code using the programming languages they chose.

1. **Testing**

Then the testing team tests the functionality of the entire system its called testing.

1. **Maintenance**

Repair defects and adapt the solution to the new requirement its called maintenance.

1. EXPLAIN PHASEES OF THE WATERFALL MODEL?
2. **Requirement**

Where the clients has to provide the requirement for the software system it is called requirement gathering.

1. **Analysis**

The system specification are analyzed to generate product model and business logic to guide production.

1. **Design**

A design specification document is created to outline technical design requirements.

1. **Implementation**

The source code is developed using the model, logic and requirement specification designed in the period phases.

1. **Testing**

This is when quality assurance unit, system and beta tests identify issue that must be resolved.

1. **Deployment**

The product or application is deemed fully functional to improve to a live environment.

1. **Maintenance**

Corrective, adaptive and perfective maintenance is carried out identify to improve, update and enhance the product and its functionality.

1. WRITE PHASES OF SPIRAL MODEL?
2. Planning
3. Risk analysis
4. Product development
5. Planning or evaluation
6. WRITE AGILE MANIFESTO PRINCIPLES?
7. Use case
8. Software requirement specification
9. Product and project based application
10. Object oriented programming
11. EXPLAIN WORKING METHODOLOGY OF AGILE MODEL AND ALSO WRITE PROS AND CONS?
12. **PROS**

Is a very realistic approach and promotes teamwork and cross training a part from that functionality can be developed rapidly and demonstrate, Delivers early partial working solutions and little or no planning required also easy to manage and give flexibility to developers.

1. **CONS**

Not suitable for handling complex, more risk of sustainability and extensibility also strict delivery management dictates the scope, there is very high individual dependency since there is minimum documentation generated moreover transfer technology to new members may be quite challenging due to lack of documentation.

1. DRAW USECASE ON ONLINE SHOPPING PRODUCT USING COD?

<https://drive.google.com/file/d/1A_LHfKnFFAiKBpFnM9qnKu7BQENhOLdU/view?usp=sharing>

1. DRAW USECASE ON ONLINE SHOPPING PRODUCT USING PAYMENT GATEWAY?

<https://app.diagrams.net/#G1A_LHfKnFFAiKBpFnM9qnKu7BQENhOLdU#%7B%22pageId%22%3A%22BjZMngHRBw_QtpjNygN3%22%7D>