ASSIGNMENT - 1

1. What is SDLC?

> SDLC is stand for software devlopment life cycle.there are 6 phases available in SDLC:

1) requirement gathering 2) analysis 3) design 4) implementation 5) testing 6) maintenance.

2. What is software testing?

> software testing is process used to identify correctness,completeness and quality of devloped computer sodtware.

3. What is agile methodology?

> agile model is combination of iterative and incremental process models.agile model is suitable for fixed and changing requirements.

4. What is SRS?

> SRS is stand for software requirements specification.

5.What is oops?

> object oriented programming is a concepts of object , class , abstaction , encapsulation , inheritance and polymorphism.

6. Write basic concepts of oops

> 1) object

2) class

3) abstaction

4) encapsulation

5) inheritance

6) polymorphism

7. What is object?

> object is any entity which has own state and behaviour is called object.

8. What is class?

> class is a collection of objects.

9. What is encapsulation?

> encapsulation is wrapping of data or binding a data.

10. What is inheritance?

> when one objects acquire all the properties and behaviour of parent class is called inheritance.

11. What is polymorphism?

> polymorphism is allows different objects to respond to the same message in different ways.

12. Draw usecase on online book shopping



13. Draw usecase on online bill payment system



14. Write SDLC phases with basic introduction

> Requirement gathring -customer needs

Analysis -model data anlysis

Design -model specification and designed

Implementation -data implement and model solution

Testing -software testing and solution

Maintenance -defect repair and requirement solution

15. Explain phases of the waterfall model

> There are the phases of the waterfall model

-> Requirments - this includes client's need and requriments.

-> Analysis - this includes detailed requirements of document.

-> Design - this create the technical plan as blueprint.

-> Implementation - the design is developed and tested individually during this.

-> Testing - this includes testing for faults and perfomance issues.

-> Maintenance - this phase is for ongoing support and bug fixes.

16. Write phases of spiral model

> there are the phases of the spiral model

-> Planning - determination of objective,alternatives and constaraints.

-> Risk analysis - analysis of alternatives and identification of risks.

-> Engineering - development of the next level product.

-> Customer evolution - assessment of the results of engineering.

17. Write agile manifesto principls

> - Customer satisfaction and delivery

- Avoid of requirement features

- Working software deliver

- Collobration the business developers

- Successful comunication

- Enable face to face interaction

- Agile processes to support a consistent development.

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

> Requirments analysis -> Design -> Development -> Quality assurance -> Deployment.

-> Agile model pros and cons:

Pros:

- Increase flexibility

- Faster time to market

- Higher satisfaction

- Improved collaboration

- Better risk management

- Best product quality

Cons:

- Reduce predictrability

- Lack of comprehensive documentation

- Potential scope creepe

- Not for every project

19. Draw usecase on online shopping product using COD.



20. Draw usecase on online shopping product using payment gateway.

