

# Fall 2020 Mid-Term Assignment

Name        Khalid Malik  
ID            14252  
Course      Software Requirement Specification

Question NO : 01

1. Which of the following is correct for the types of requirements?

- A. Reliability
- b. Availability
- c .Usability
- d. All of the above**

2. Select the developer-specific requirement?

- a. Availability
- b. portability
- c . Usability
- d. Maintainability
- e. Both b and d**

3. The following is not a step of requirement engineering?

- a. design**
- b. elicitation
- c. documentation
- d. analysis

4. Symbolic representation of QFD is .....

- a. quality function development

b. quality function deployment

c. quality function design

d. none of the mentioned

5. What are the system requirements of the documents ?

a. SRS

b. SDD

c. SRD

d. DDD

6. The most important stakeholder is .....

a. Middle level stakeholder

b. Entry level personnel

c. Users of the software

d. Managers

7. Which of these steps includes in the requirement engineering process...

a. Requirement Gathering

b. Feasibility study

c. Validation

d. Both a and b

8. In the elicitation process, the developers discuss with the end users and know their expectations for the software.

a. Organizing requirements

b. Requirement gathering

c. Negotiation and discussion

d. Documentation

9. The process gather the software requirement from the client, analyze and document them is known as.....

- a. Software system analyst
- b. User interface requirements
- c. Requirement elicitation process
- d. Requirement engineering process

10. The interviews held between two persons across the table is..

- a. Written
- b. Non-structured
- c. one-to-one
- d. Group

11. The computer-based system can have a profound effect on the design that is chosen and aslo the system is concerned with..

- a. Behavioural elements
- b. Flow-oriented elements
- c. Scenario-based elements
- d. Class-based elements

12. Information system is concerned with ..

- a. System where software is used as a controller in some broader hardware system.
- b. Processing information which is held in some database .
- c. Combination of a and b
- d. None

13. Embedded systems is concerned with...

- a. System where software is used as a controller in some broader hardware system .
- b. Processing information which is held in some database.
- c. Combination of a and b
- d. None

14. Command and control systems is concerned with....

- a. System where software is used as a controller in some broader hardware system.
- b. Processing information which is held in some database.
- c. Combination of a and b
- d. None

15. The requirement document describes:

- a. The services and functions which the system should provide
- b. The constraints under which the system must operate
- c. Overall properties of the system i.e constraints on the system's emergent properties
- d. All of the above

## Q NO 2.. PROJECT NAME AIRPORT CONTROL SYSTEM

### REQUIREMENTS

Q NO 3

Name: Khalid Malik ID # 14252

Q No # 3.

(a) User requirements

- \* view flight schedule
- \* Get flight for a given airport.
- \* Get all customers who have seats reserved on a given flight.
- \* Calculate total sales for a given flight.

(b) System requirements.

- \* Add / Delete a flight
- \* update fare for flights
- \* Add a new airport.
- \* Add a new flight leg instance.



## Functional Requirement:

- \* Store takeoff and landing flight data and time
- \* Store route flight and destination
- \* Fuel Consumption for every flight is stored.
- \* Data stored separately for international and domestic flight and passengers
- \* Automatically warning is issued when weather is not suitable.

## Non-Function Requirement

- \* Availability requirement
- \* Capacity requirement
- \* Backup and recovery requirement
- \* Performance requirement
- \* Maintainability
- \* Security requirement
- \* Privacy requirement

USE CASE DIAGRAM

