Revision Qs

1. List and briefly describe the five activities of system analysis.
2. What are three types of models?
3. What is the difference between functional requirements and non-functional requirements?
4. List three examples of non-functional requirements.
5. Describe the steps in preparing for, conducting, and following up an interview session.
6. What are the benefits of doing vendor research during information gathering activities?
7. What types of stakeholders should you include in fact finding?
8. Describe the open-items list and then explain why is it important.
9. List and briefly describe the six information gathering techniques.
10. PMBOK is divided into 9 areas. List them
11. What are the two types of stakeholders?
12. What are the two techniques for use cases?
13. What are the different types of events?
14. What is crud?
15. What are the two types to identify things?
16. What are the types of association?
17. What is ERD?
18. What are the levels of design?
19. What are included in design environment in internal network?
20. What are the terms in internal network?
21. What are the three layers of Architecture?
22. What are the system outputs?
23. What is the purpose of an activity diagram?
24. What is an Information System (IS)?
25. What is a use case?
26. What are the system design guidelines?
27. What are the types of input controls?
28. What are user interface design concepts?
29. What are internet deployment advantages?
30. What are internet deployment disadvantages and problems?
31. What is user interface?
32. What is system interface?
33. What is the primary goal of system interface?

Revision Ans

1. Ans:

* Gather detailed information
* Define requirements
* Prioritize requirements
* Develop user interface dialog
* Evaluate requirements

1. Ans:

* Mathematical model (made up of mathematical equations and data)
* Conceptual model (system of ideas that compares familiar things to illustrate the idea)
* Physical model (acts and looks like the thing they model)

1. Ans:

* Functional requirements define what the system does
* Non-functional requirements specify how the system should do it (URPS)

1. Ans:

* Product requirements
* Organizational requirements
* External requirements

1. Ans:

* Prepare detailed questions
* Meet with individuals of groups of users
* Obtain and discuss answers to the questions
* Document the answers
* Follow up as needed in future meetings or interviews

1. Ans:

* One benefit is researching previous solutions of other people can help generate new ideas to enhance their business functions.

1. Ans:

* Internal (persons within the organization)
* External (persons outside the organization)
* Operational (persons who interact with the system regularly)
* Executive (persons who don’t interact directly, but use the information)

1. Ans:

* The open-items list provides a tracking list with the tracking item, person assigned for that item, tracking completion status for the item. The open-items list is important because throughout the project there will be some issues where they can’t be answered directly, so throughout the stages of the project these issues will be resolved by using the open-items list which will make every issue resolved in an organized matter.

1. Ans:

* Interviewing users and other stakeholders
* Distributing and collecting questionnaires
* Reviewing inputs, outputs and documentation
* Observing and documenting business procedures
* Researching vendor solutions
* Collecting active user comments and suggestions

1. Ans:

* Project scope management
* Project time Management
* Project cost management
* Project quality management
* Project risk management
* Project communication management
* Project human resources management
* Project procurement management
* Project integration management

1. Ans:

- Horizontal user roles

- Vertical user roles

1. Ans:

- User Goal technique

- Event decomposition technique

1. Ans:

- External event

- Temporal event

- State event

14) Ans:

- CRUD is create read update and delete

15) Ans:

- Brainstorming technique and noun technique

- Noun techniques

16) Ans:

- Binary Association

- Unary Association

- Tenary Association

- N-ary Association

17) Ans:

- An ERD is a type of structural diagram for use in database design.

18) Ans:

- Architectural Design

- Detailed Design

19) Ans:

- local area network

- Client Server Architecture

- Client computers

- Server computers

20) Ans:

- Hypertext markup language

- Transmission control Protocol/ Internet protocol (TCP/IP)

21) Ans:

- view layer

- business logic layer/ domain layer

- Data layer

22) Ans:

- Detailed reports

- Summary reports

- Exception reports

- Executive reports

- Internal output

- External Output

- Turnaround document

23) Ans:

- activity diagram defines user (or system) activities, defines what each person does, shows sequential flow of these activities.

24) Ans:

- an information system is a collection of interrelated components used to collect, process, store, and provide information for the system.

25) a use case is a list of events defining the interaction between a role and a system to achieve a goal.

26) Ans:

- design for consistency

- provide shortcuts

- provide feedback

- error handling that provides guidance

- easy reversal of actions (redo, cancel…)

- dialogues should yield closure

27) Ans:

- value limit controls

- completeness controls

- data validation controls

- field combination controls

28) Ans:

- human-computer interaction (HCI)

- visibility (should be visible to the user)

- affordance (appearance should suggest its functionality)

29) Ans:

- accessibility (accessible anywhere with a valid internet connection)

- low-cost communication

- widely implemented standards

30) Ans:

- security (can be hacked into)

- throughput (server overload might result to loss of info or lower response time)

- changing standards

31) Ans:

- inputs and outputs that directly involve a human user

32) Ans:

- inputs and outputs that require minimal human intervention

33) Ans:

- to produce error free input (human intervention might cause some errors in the input)