Date:

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SE-098
SRE Midterm (SE-208)

Q1. Answer:-

Problems encountered during Requirements Elicitation:-

1. Problem of scope
2. Problem of understanding
3. Problem of volatility

1. Problem of Scope:-

In the following problem, we are supposed identify the working and design that it should meet the particular requirements any unecessary details should be avoided. First the developer should understand what are the needs of the user and must aware of the capabilites and limitations of the particular software.

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2. Problem of understanding:-

→ Language is the main problem in understanding because everyone have different Languages.

→ Views are clear first so that there will be less chance of getting the conflict between the user. Because may be the user have a slight different view.

3. Problems of Volatility:-

→ There are chances that certain requirements may change after specific time so the system should attain all those particulars that can be changed Rapidly.

→ After a specific time, certain requirement that a user want to change during development process will cause the problem of volatility.

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Q2: Answer

DOMAIN REQUIREMENTS

→ Requirements which reflects the fundamental characteristics of the application domain in which the system operates are domain requirements.

→ Domain requirements sometimes cause confusion in constraints.
Example:-

→ Banking domain have their particular constraints like some banks don't allow to over-draw accounts whereas some allows.

INVERSE REQUIREMENTS

Inverse requirements are those requirements that indicate inconclusive nature of the customers and include the aspects about new update and a software product.

→ Inverse requirements tells what we are not supposed to do.
Example:-
→ The system shall not use blue color in the user interface.

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Q2: Reason:-

Domain requirements are important to elicit because it can impose strict solution and it will cause confusion so eliciting the domain requirements will not cause dissatisfaction and problem will be explicitly be highlighted and every particular requirement will be elicited.

Q3: Dimensions of Inspections:-

Following are the dimensions of inspection

1. Technical
2. Organizational
3. Assessment
4. Tool Support
5. Mangerial.

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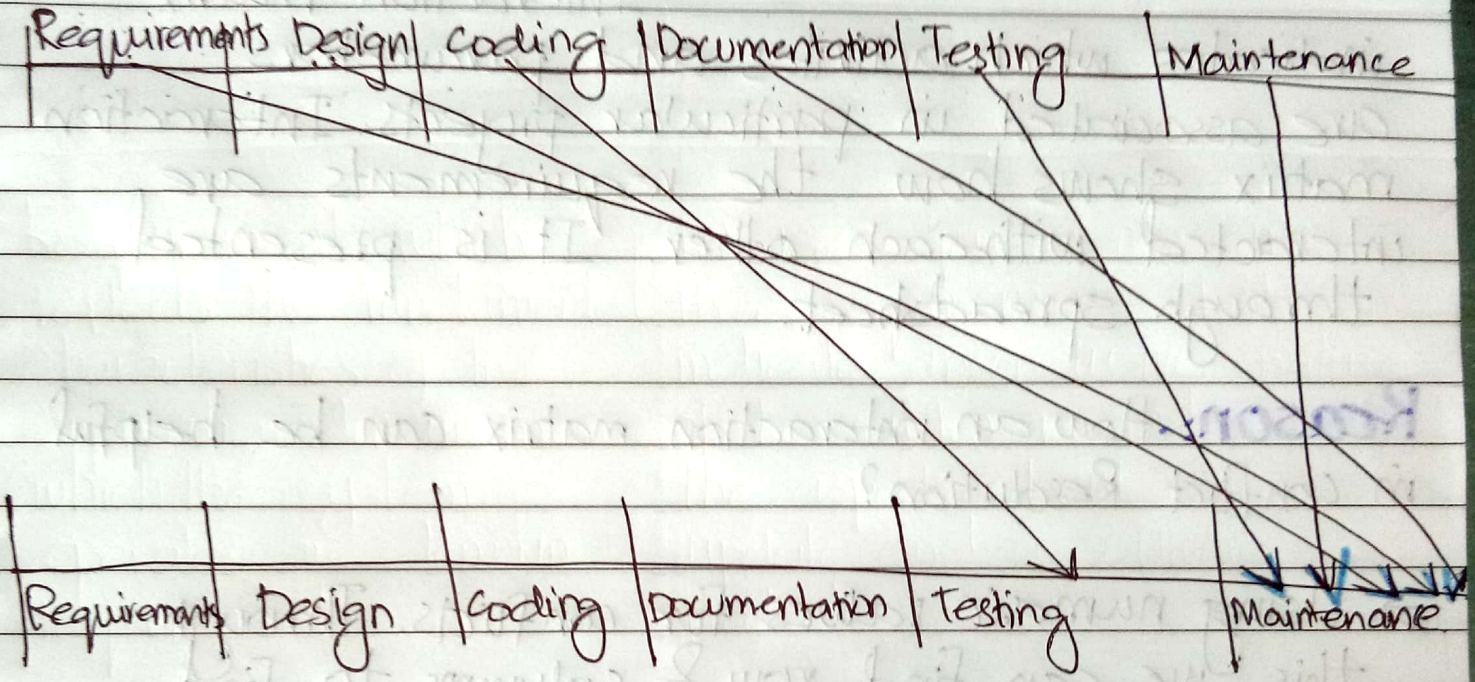
Defect Removal



→ In Defect Removal Every member of the inspection has go through the documents and evaluate the requirements & particulars errors must be discussed.

→ Detected error in the developement process will save alot of time and software will be according to the requirements.

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Q4: Interaction Matrix:-

Interaction matrix indicates which activites and parameters are associated in particular projects. Interaction matrix shows how the requirements are interacted with each other. It is presented through spreadsheet

Reason:- How an interaction matrix can be helpful in conflict Resolution?

→ Using numeric values for conflicts. Through this we can find row & columns to find the no. of conflicts.

→ Requirement having higher values should be assigned so less chance of having a problem.

→ Interaction matrix works with small values and in this every requirement is compared with all the particular requirement.