TRACEABILITY MATRIX

WHAT IS A TRACEABILITY MATRIX ?

- Traceability matrix is a document that establishes a link between user requirements and test cases.
- It captures all the requirement stated by the client and their traceability in a Single document.

COMPONENTS OF TRACEABILITY MATRIX

- Requirement ID
- Requirement
- Test Case ID
- Test Case Name
- Status

ADVANTAGES

- It gives 100% coverage
- It highlights if any requirement is missing
- Identifies document inconsistencies
- It gives clear mapping of user requirements and test cases.

TYPES OF TRACEABILITY MATRIX

- Forward Traceability
- Backward Traceability
- Bi Directional Traceability

FORWARD TRACEABILITY

- Requirements are mapped to test cases
- It ensures project progresses in the desired direction
- It ensures that every requirement is tested thoroughly
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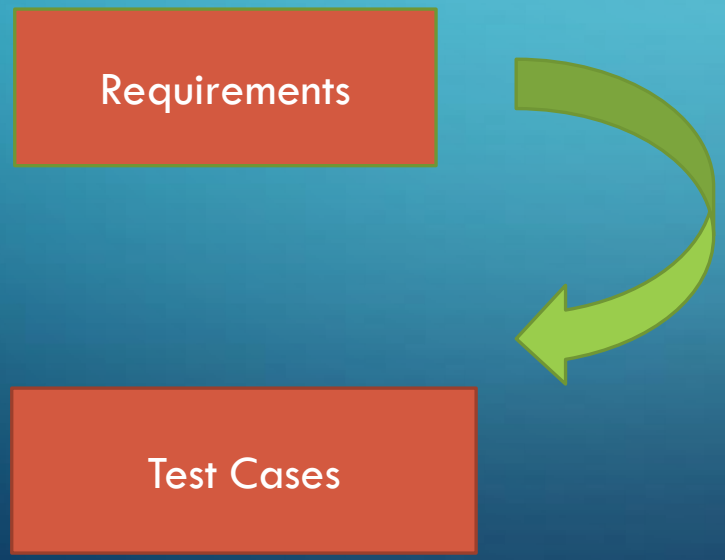
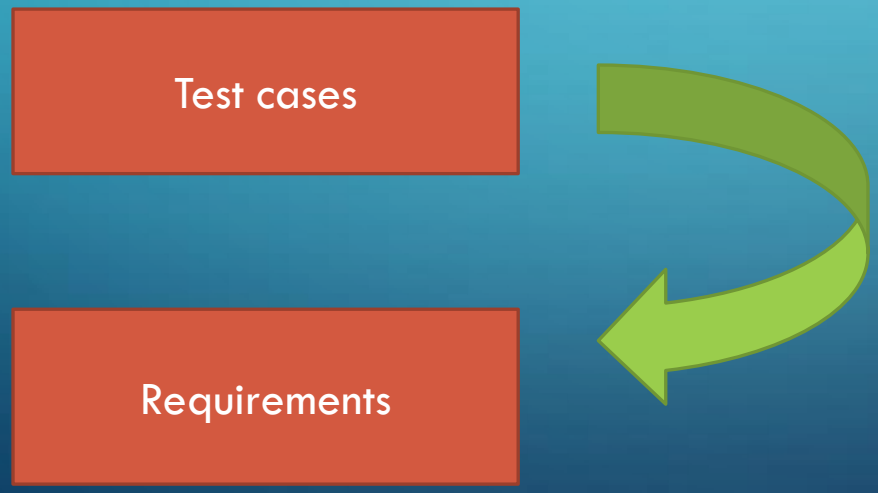
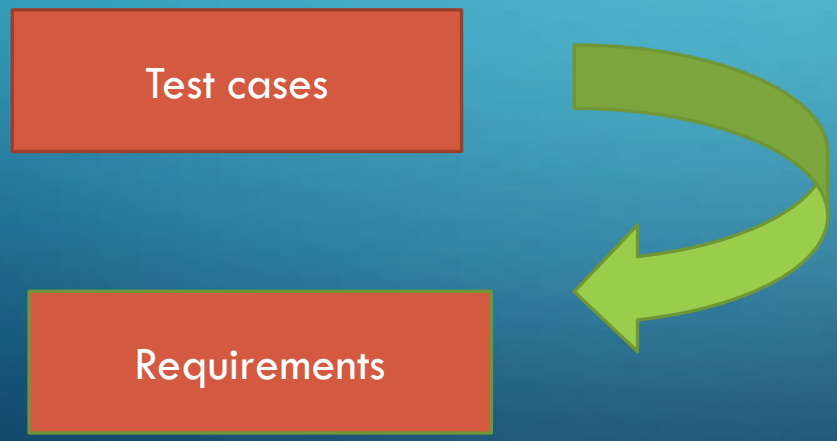


BACKWARD TRACEABILITY

- It maps test cases with the requirements
- The main purpose of this traceability is to ensure that the current product developed is on the right track.



BI- DIRECTIONAL TRACEABILITY

- This type of matrix has both forward and backward traceability.
- This implies that the test cases are mapped to the requirements as well as requirements are mapped to the test cases.