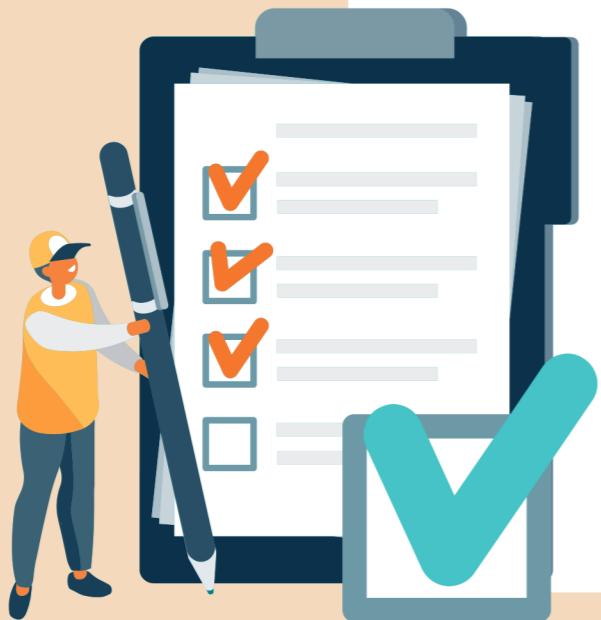


TESTCASES

More in context of Test Management &
Requirements



WHAT TO EXPECT



1 Introduction

2 Types of TestCases

3 Requirements & Testcases

4 Requirements Traceability Matrix (RTM)

5 Sample RTM

Introduction to Test Cases

A testcase is a specific set of conditions, inputs, and expected outcomes or results that are designed to test a particular aspect or functionality of a software application, system, or product.

Testcases are an essential component of software testing and quality assurance processes. They serve several purposes, including:

Verification

Validation

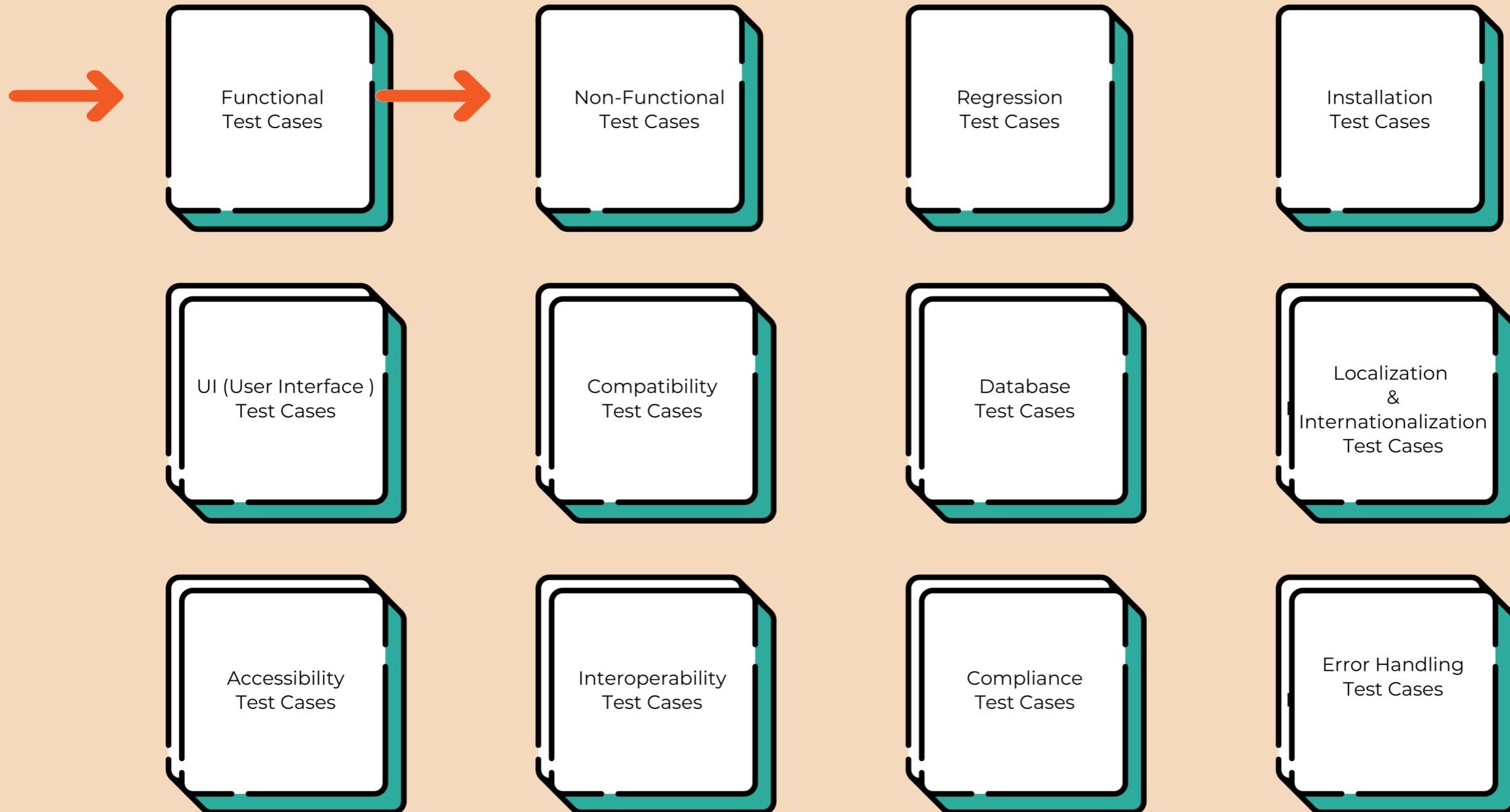
Error Detection

Documentation

A typical testcase includes the following elements:

- Test Case Identifier: A unique identifier or name for the testcase.
- Test Objective: A clear statement of what the testcase is intended to test or verify.
- Preconditions: Any specific conditions or prerequisites that must be met before the testcase can be executed.
- Test Input: The input data, actions, or steps that need to be taken to execute the testcase.
- Expected Result: The expected outcome or behavior of the software or system when the testcase is executed.
- Actual Result: The actual outcome observed when the testcase is executed.
- Status: The current status of the testcase, indicating whether it passed, failed, or needs further investigation.

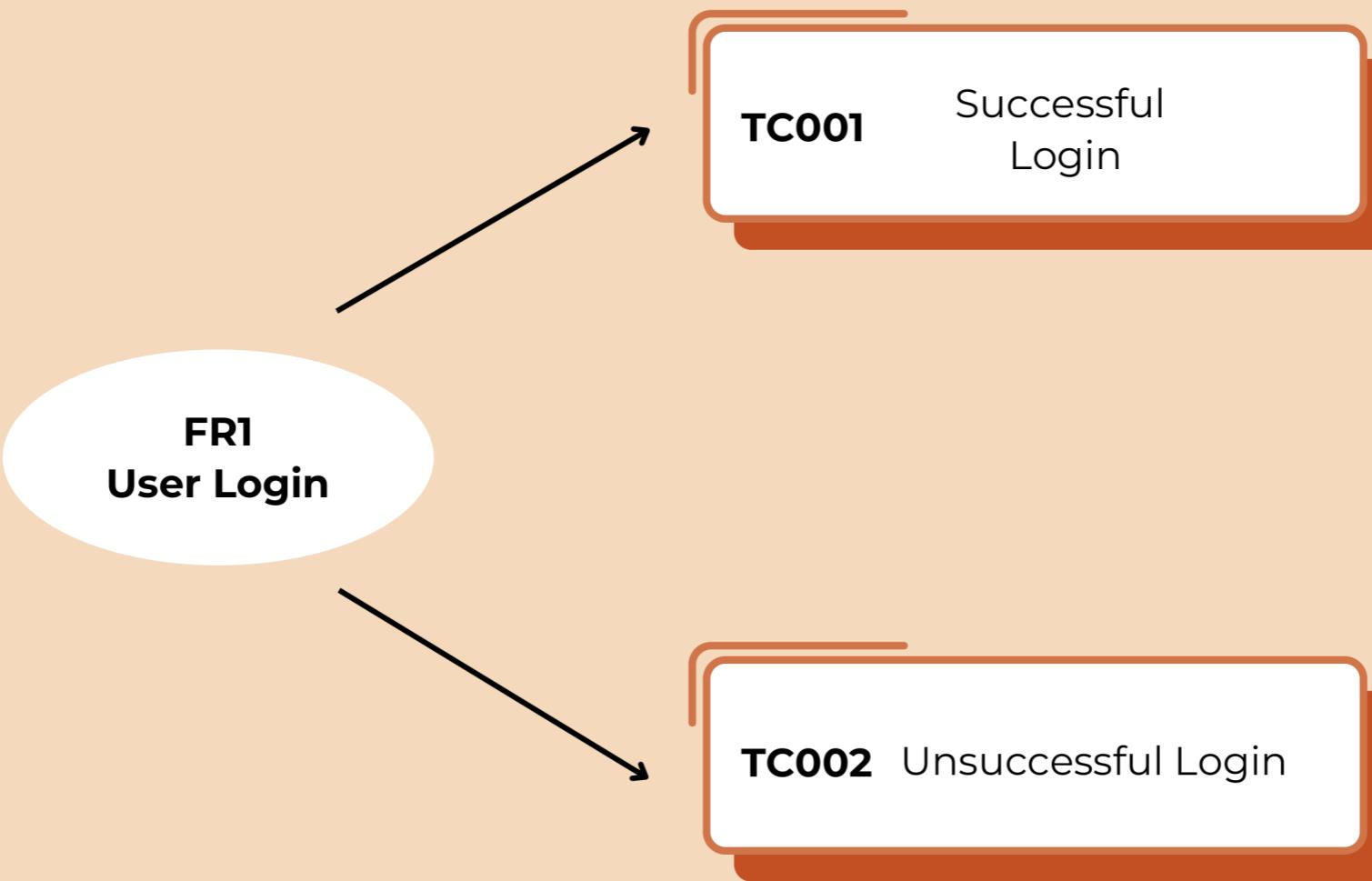
Types of Test Cases



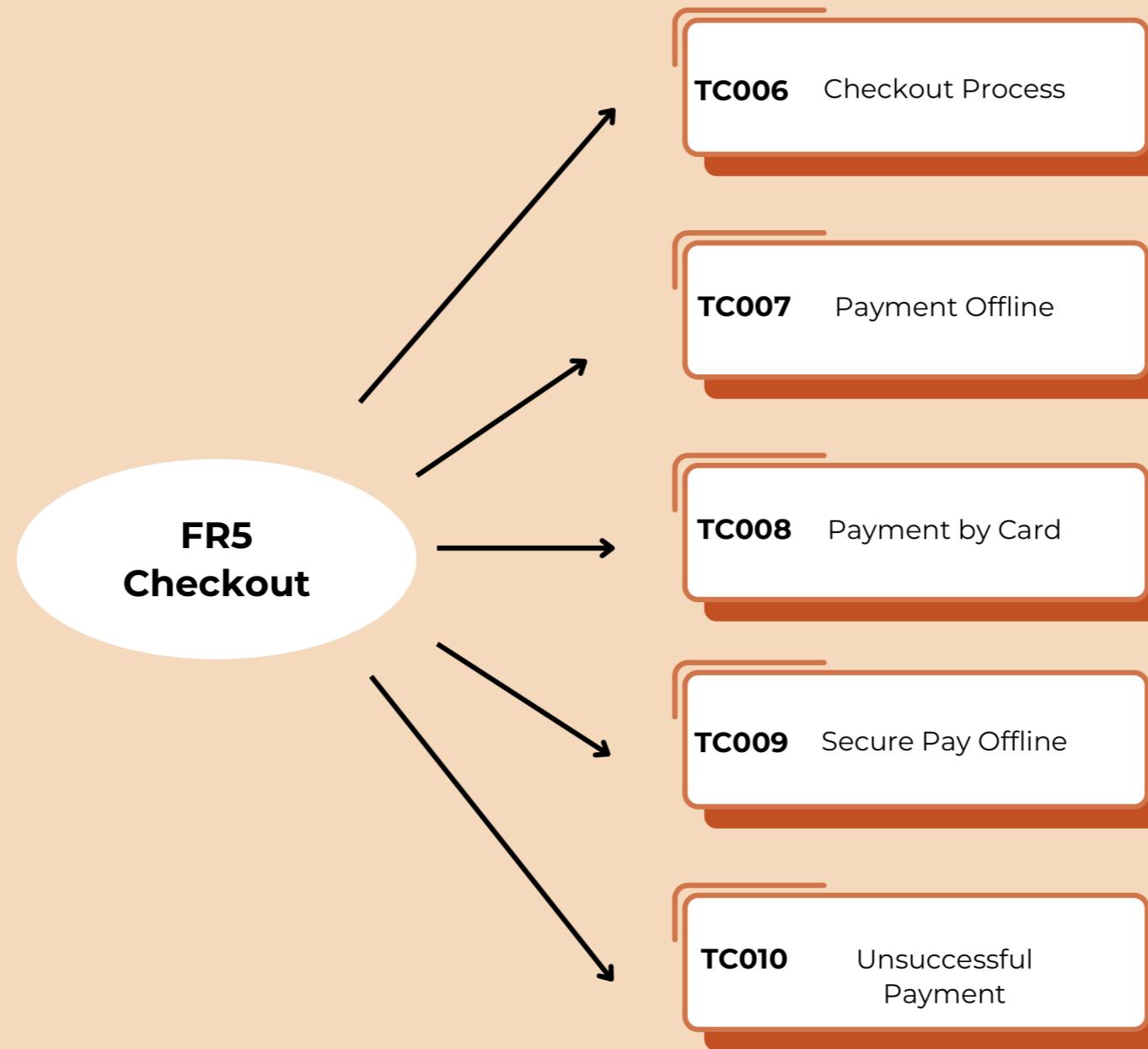


MODULE - 7

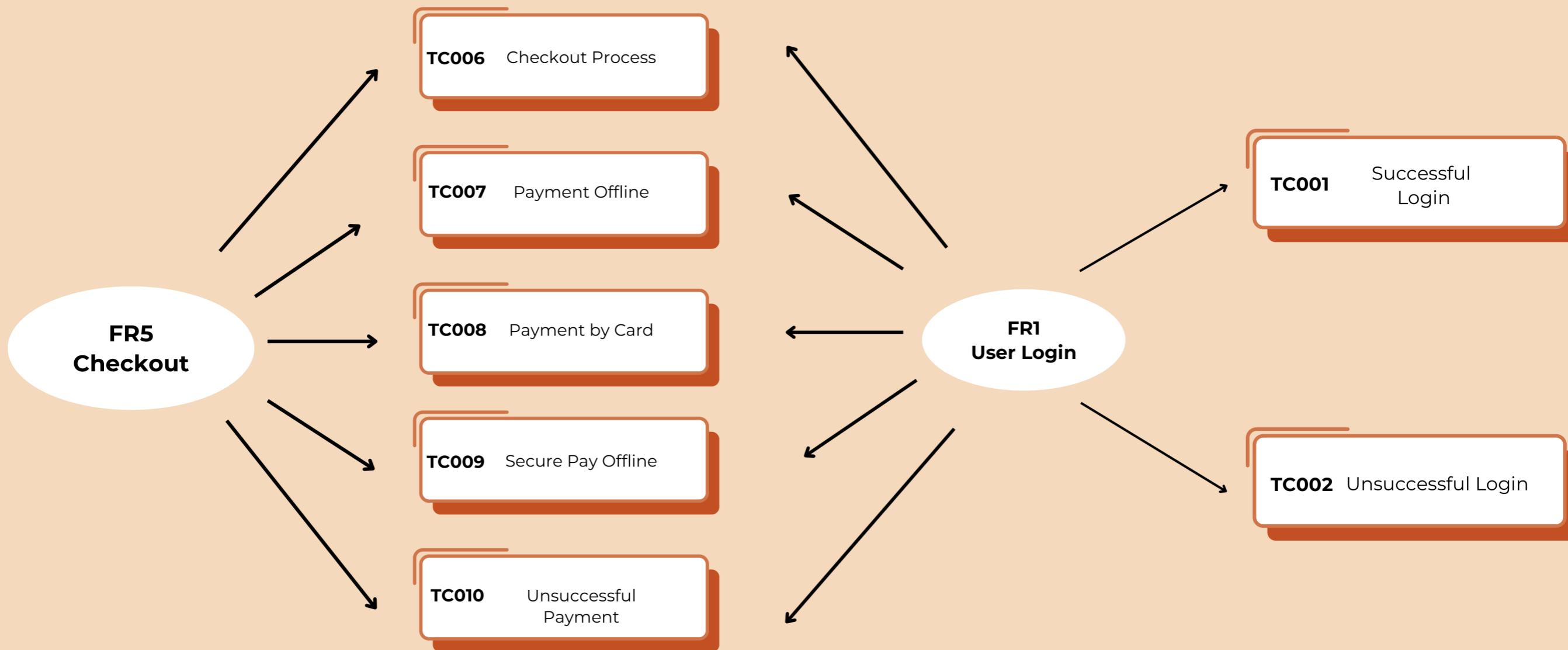
Requirements & TestCases



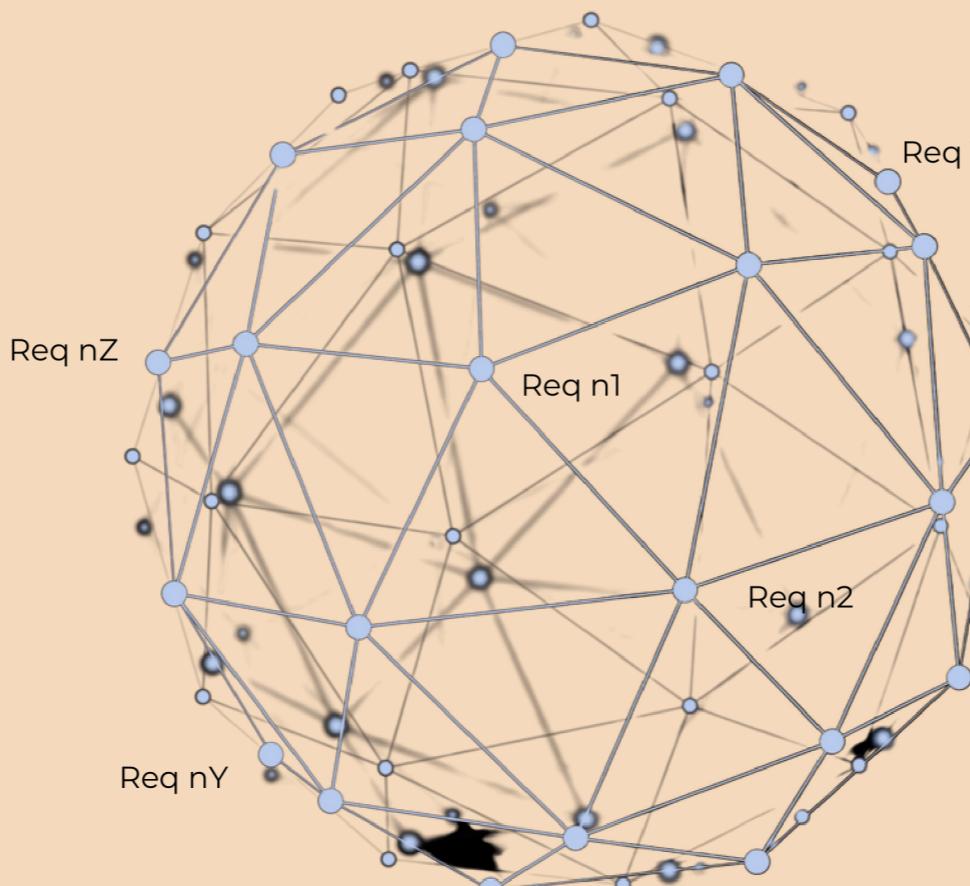
Requirements & TestCases



Requirements & TestCases



Requirements & TestCases



Simplify



Requirements Traceability Matrix

A Requirement Traceability Matrix (RTM) is a document that establishes a clear connection between individual requirements and the corresponding test cases. It helps ensure that all requirements are adequately covered by testing and provides a systematic way to track the progress of testing efforts.

Requirements → Test Cases → Executions → Defects

Requirements Traceability Matrix

Requirements	Test Cases	Executions		Defects
FR 1	TC001, TC002	Functional Test Cycle TC001, TC002	Regression Test Cycle TC001, TC002	
FR 2	TC004	Functional Test Cycle TC004	Regression Test Cycle TC004	
FR 3	TC003, TC004	Functional Test Cycle TC003	Regression Test Cycle TC003	D001
FR 4	TC005	Functional Test Cycle TC005	Regression Test Cycle TC005	
FR 5	TC006, TC007, TC008, TC009, TC010	Functional Test Cycle TC006, TC007, TC008, TC009, TC010	Regression Test Cycle TC006, TC007, TC008, TC009, TC010	D002, D003



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See you in Next Video

