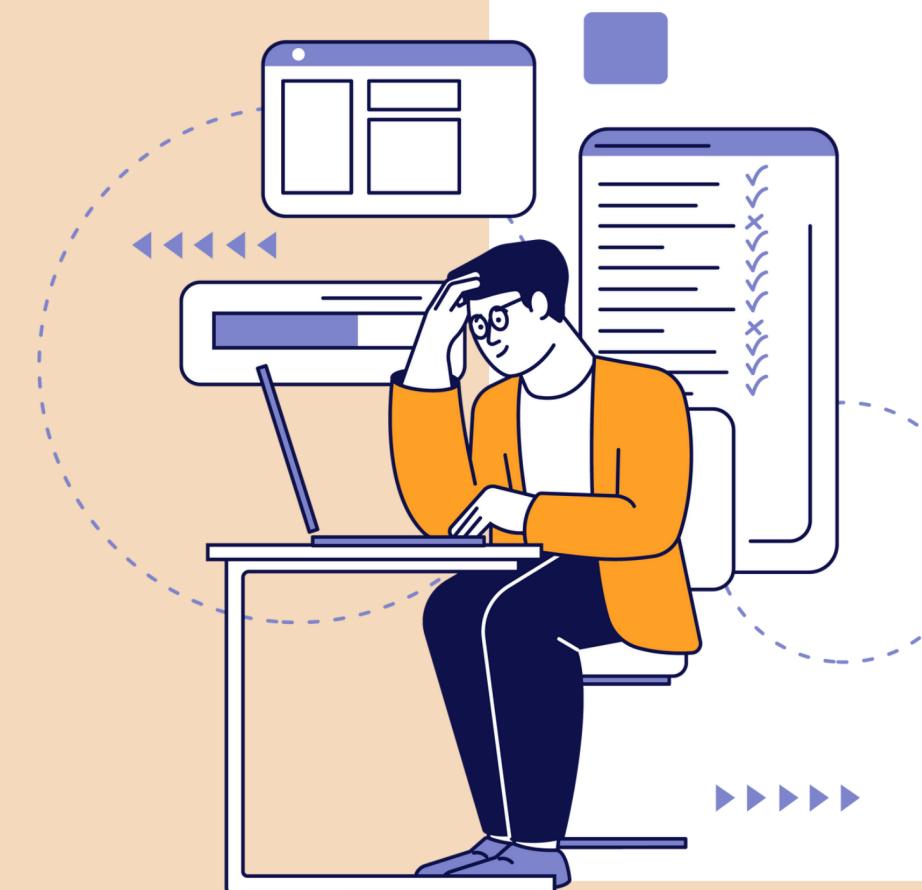


TEST CYCLES, PHASES & EXECUTION



WHAT TO EXPECT



- 1 Introduction
- 2 Test Cycles
- 3 Test Phases
- 4 Simplifying Phases & Cycles
- 5 RTM

Introduction

In software testing, the terms "test cycles" and "test phases" are often used interchangeably, but they can have slightly different interpretations depending on the context. Both represent specific stages in the software testing process, each with its own set of objectives and activities.

Test Cycles

- A test cycle typically refers to a specific iteration of the testing process, which involves planning, designing, executing, and evaluating test activities for a particular release or version of the software.
- Test cycles are used to organize testing efforts and ensure that testing aligns with the development process
- Each test cycle can be thought of as a complete round of testing activities for a defined portion of the software, and multiple test cycles may be conducted throughout the software development lifecycle.

Test Cycles

Examples of test cycles include

- Alpha testing,
- Beta testing and
- Regression testing cycles.

Test Phases

- Test phases represent different stages or categories of testing activities within a test cycle.
- These phases are often defined to address specific objectives or aspects of the software's quality.

Test Phases

While the exact phases can vary depending on the project and methodology, here are some common test phases:

Unit Testing

Acceptance Testing

Integration Testing

Regression Testing

System Testing

Performance Testing

***So what really is *Test Cycle* ? How do we use it in
our Software Testing Projects***

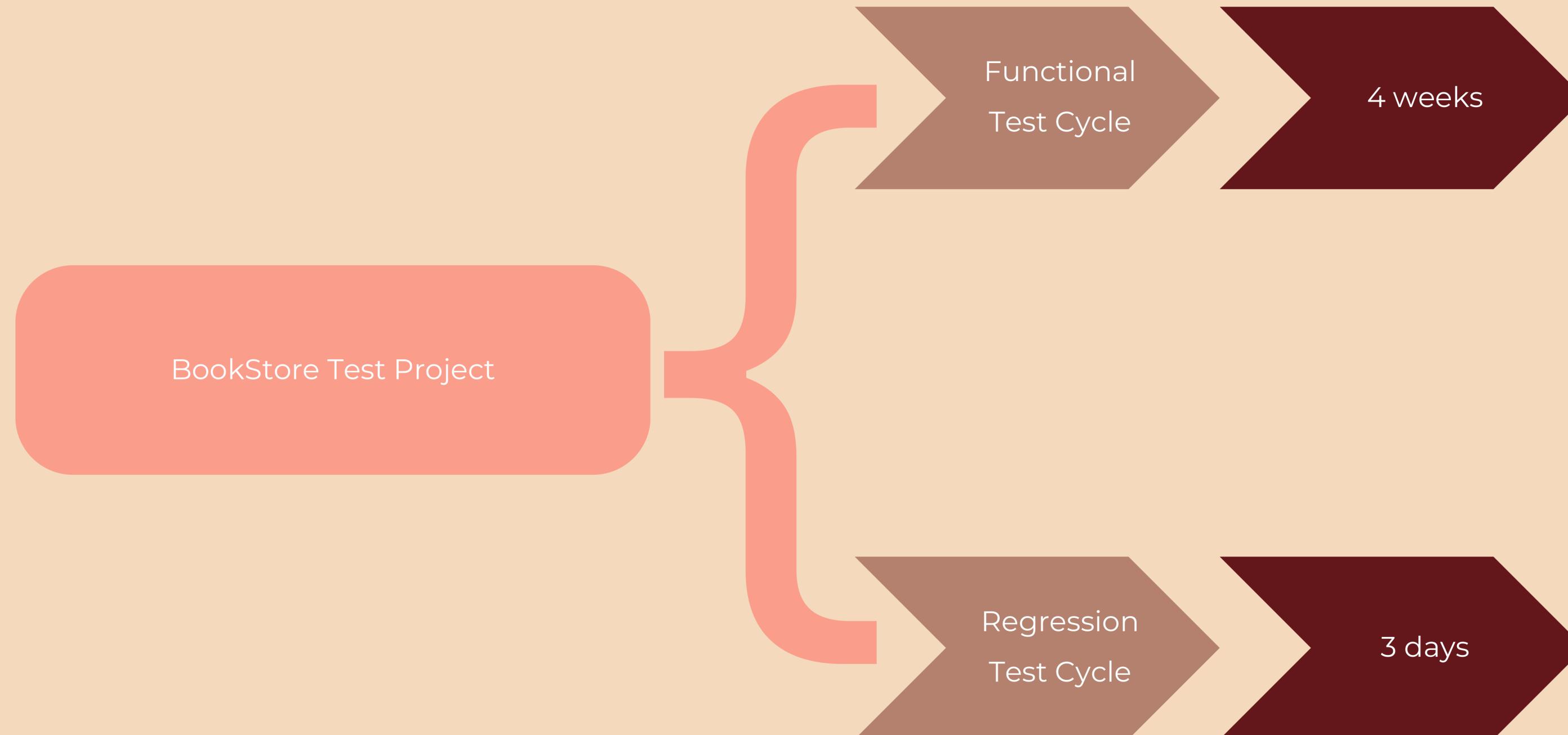


A Test Cycle is a container for tests

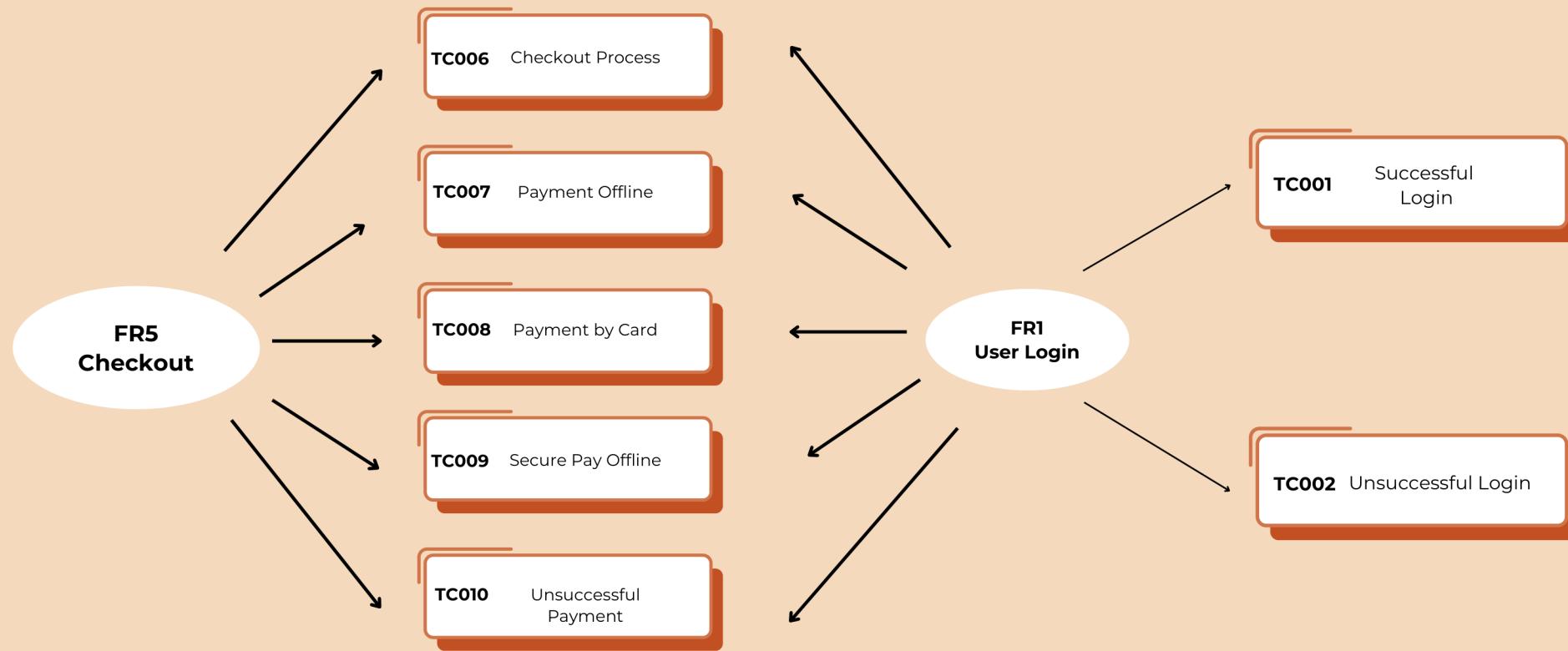
The result of each test that is executed inside a Test Cycle, is tied to

that cycle only

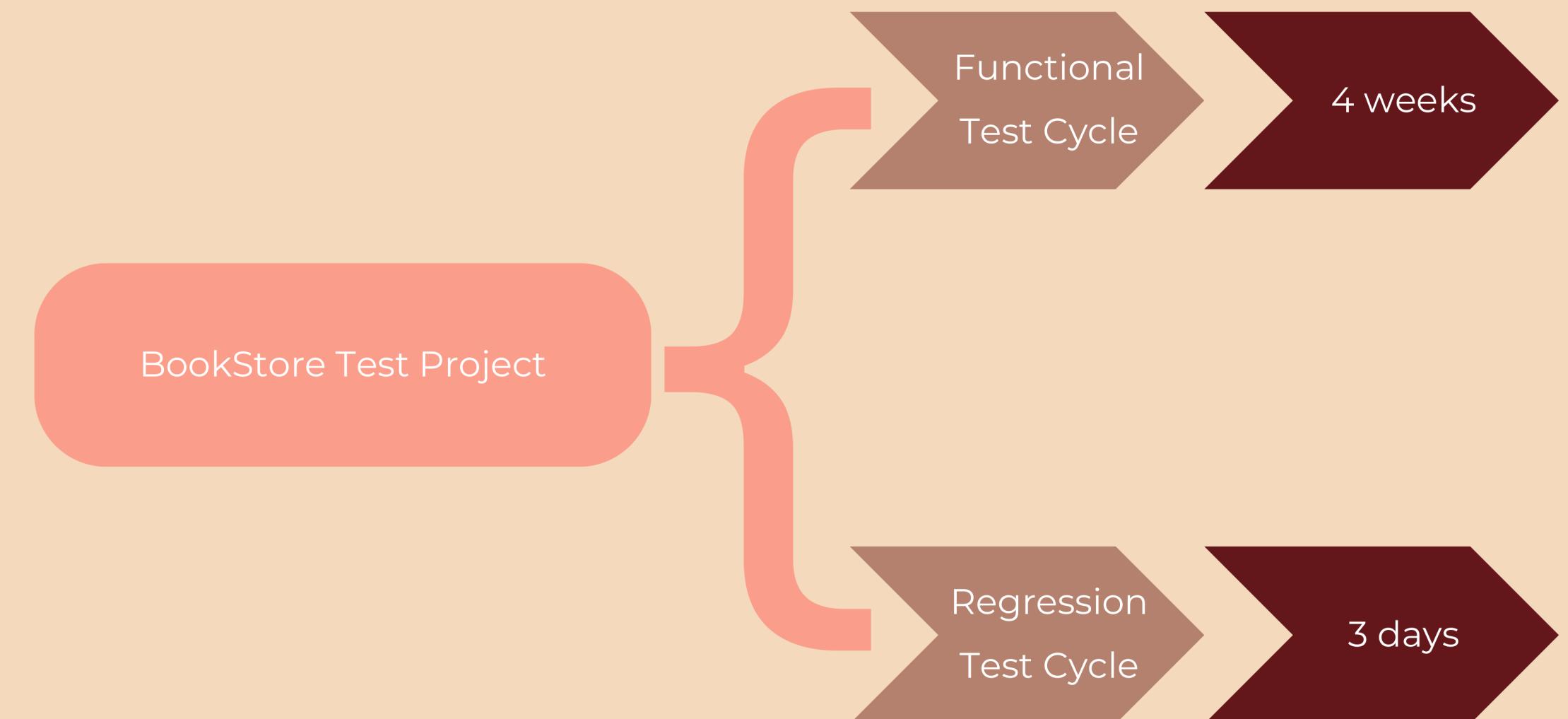


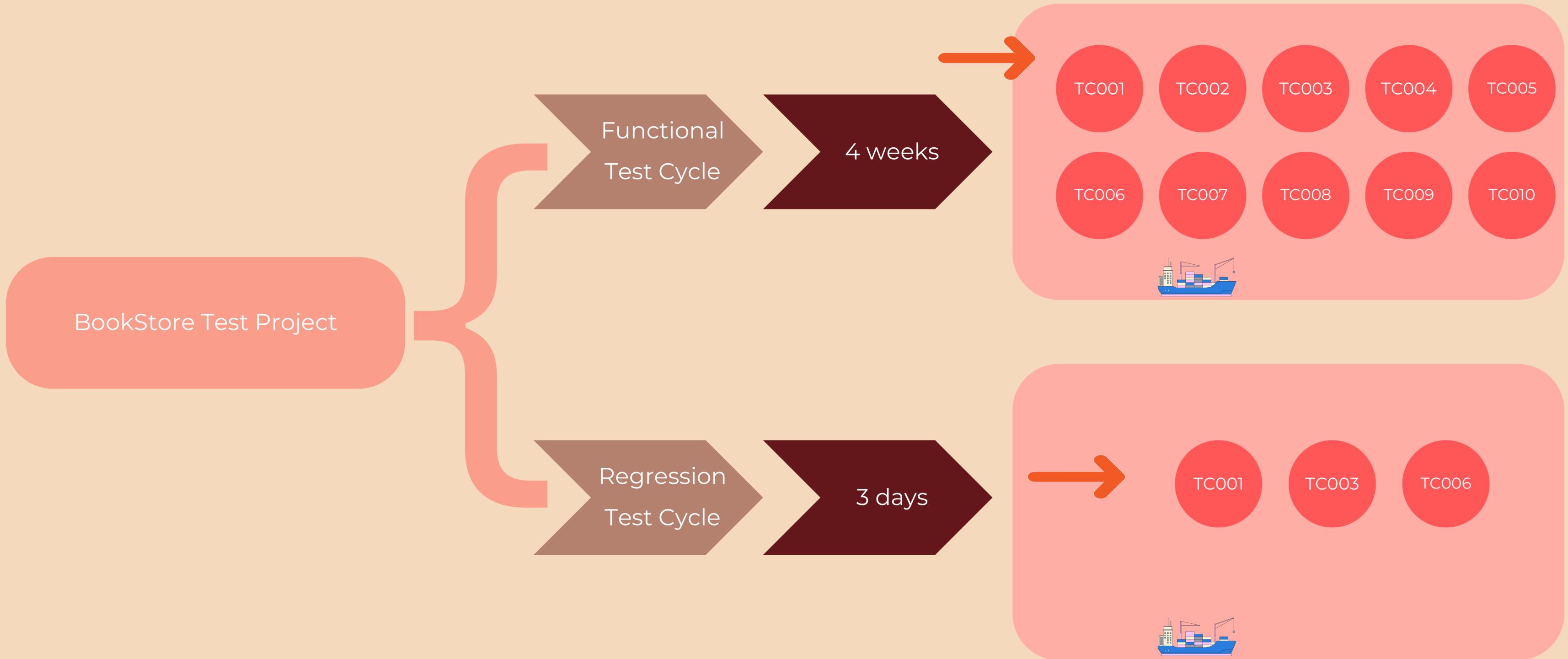


Testcases Repo



TestCycle



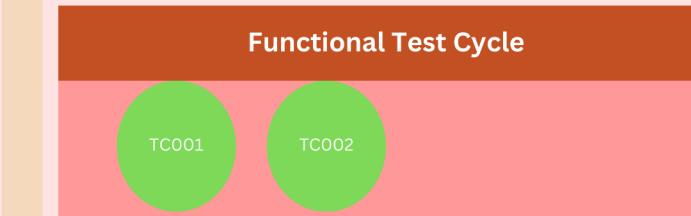
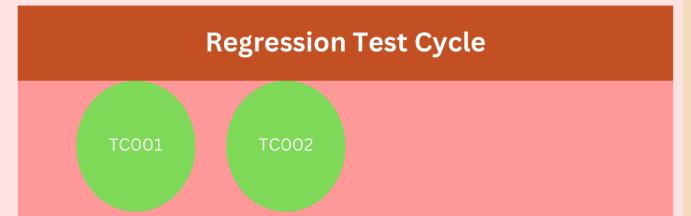
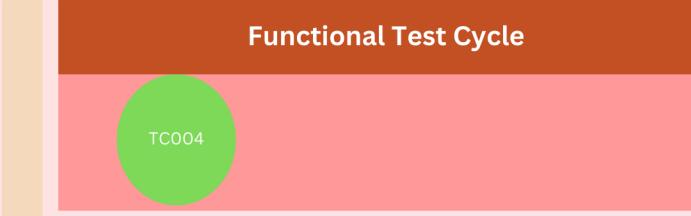
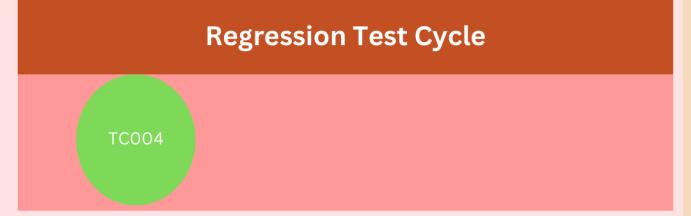
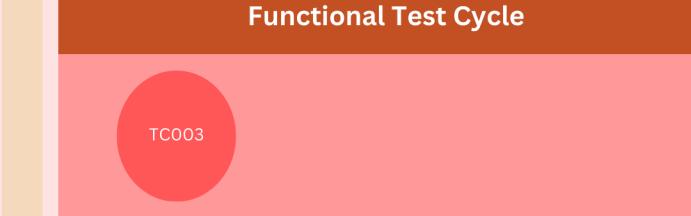
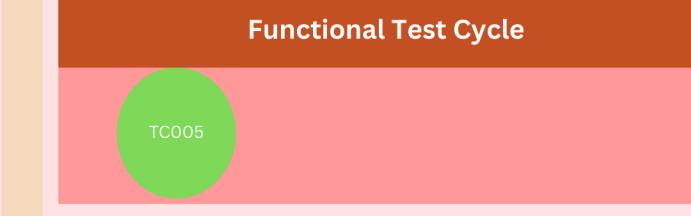




Module 8

Test Execution

Requirements Traceability Matrix

Requirements		Test Cases		Executions		Defects	
Requirement ID	Requirement Description	Test Cases Assigned		Test Executions		Defects Found	
		Test Case ID	Test Case ID	Functional Test Cycle	Regression Test Cycle		
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

Another RTM from Internet

Requirement ID	Requirements tested	Use case 1.1	Use case 1.2	Use case 1.3	Use case 1.4	...
Test cases	34	2	4	7	5	
TC1.1.1	2	X		X		
TC1.1.2	1				X	
TC1.2.1	3	X		X	X	
TC1.2.2	1		X			
TC1.2.3	2			X	X	
...						

<https://www.flickr.com/photos/93642218@N07/8515855982>

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See you in Next Video

See Ya!

