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MANUAL TESTING



WHAT TO EXPECT



- 1 Project Initiation
- 2 Test Environments
- 3 Types of Environments
- 4 Connecting the dots
- 5 Testcase & Test Execution



Congrats!

Project Initiation



Define Objectives and Goals

Clearly define the project's objectives and goals. What is the purpose of the testing project? What are you trying to achieve or validate through testing?



Identify Stakeholders

Identify all the stakeholders involved in the testing project, including project sponsors, testers, developers, and any relevant subject matter experts.



Scope Definition

Define the scope of the testing project. What will be tested, and what won't be? Are there any specific features, functionalities, or platforms to be tested? Clearly communicate the project's boundaries.



Kickoff Meeting

Conduct a project kickoff meeting to bring all team members together and ensure everyone is aligned with the project's objectives and plans.

Test Environment

- A test environment, in the context of software testing, refers to a controlled and replicable system or setting where testing activities are conducted.
- It closely simulates the actual production environment to assess how software or systems will perform in real-world conditions.
- Test environments are essential for ensuring the reliability, functionality, and performance of applications before they are deployed to users.
- Creating a well-configured and representative test environment is crucial for identifying and addressing issues, bugs, and compatibility problems early in the development process, ultimately contributing to the delivery of high-quality software products.

Environment types

Environment Type	Why ?
Development Environment (Dev)	This is where developers write and test their code. It is not a formal testing environment but is crucial for unit testing and initial code validation.
Testing Environment	Here, the entire software system is tested, ensuring that all components work together as intended. It helps identify system-level issues and assess compliance with specified requirements.
Staging Environment	A staging environment closely mimics the production environment. It is used for final testing before deployment to the live environment.
User Acceptance Testing (UAT) Environment	UAT environments are designed for end-users to validate whether the software meets their requirements and expectations. It's the final step before the software is released.
Performance Testing Environment	This environment is specifically configured for performance testing, such as load testing, stress testing, and scalability testing. It helps assess how the software behaves under different levels of load and stress.
Security Testing Environment	In this environment, security tests, such as penetration testing, vulnerability scanning, and authentication testing, are carried out to identify and rectify security vulnerabilities.
Production Environment	This is where the latest & greatest version of the software is deployed

**Ensure, you have a Test
Environment available to use
for your Testing activities**



We will be using <https://bookstore.qacurry.com/> as our Test Environment & Application for this course

Lets get things going

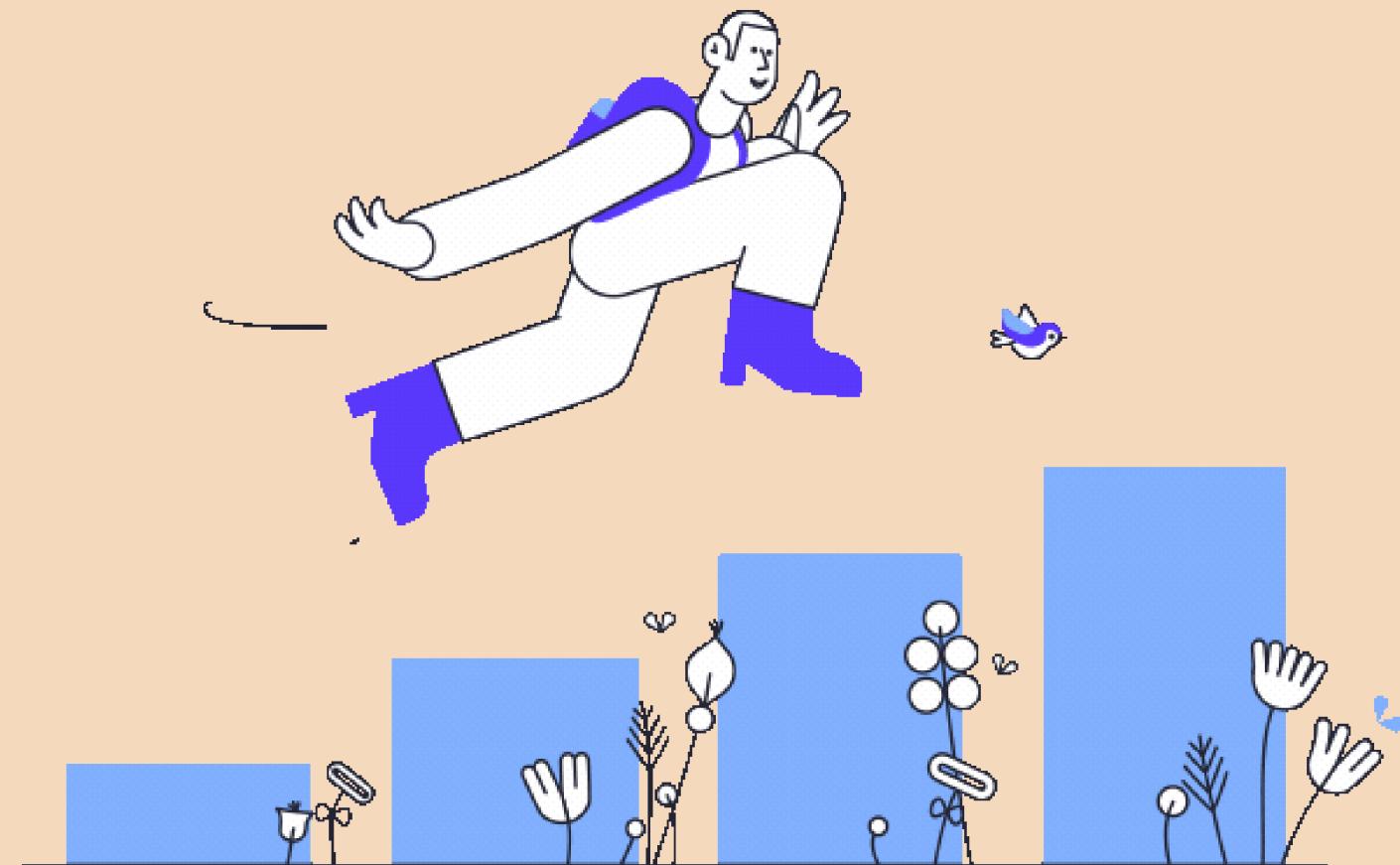


- Ensure Requirements are well documented
- Ensure Testcases are well written with priority & severity assigned
- Also ensure each Testcase is assigned to the responsible QA (tester)

Revisit the Testcase

Testcase ID	Module	Testcase Description	Priority	PreCondition	Test Steps	Expected Result	Actual Result	Status
1	Login	On Providing valid credentials, User should beloggedin to the BookStore Application	1	Ensure you have a valid QA Test Environment	Step 1	Open https://bookstore.qacurry.com on any Browser		
					Step 2	Enter username - student@qacurry.com		
					Step 3	Enter Password - ****		
					Step 4	Click on Login Button		

Execute the Test one Step at a time !



Test Steps	Expected Result	Actual Result	Status
Step 1	Open https://bookstore.qacurry.com on any Browser		
Step 2	Enter username - student@qacurry.com		
Step 3	Enter Password - *****		
Step 4	Click on Login Button		

Testcase ID	Module	Testcase Description	Priority	PreCondition	Test Steps	Expected Result	Actual Result	Status	Test Status
TC001	Login	On Providing valid credentials, User should beloggedin to the BookStore Application	1	Ensure you have a valid QA Test Environment	Step 1	Open https://bookstore.qacurry.com on any Browser	Webpage opened in Chrome	Pass	Pass
					Step 2	Enter username - student@qacurry.com	Entered in Username Field	Pass	
					Step 3	Enter Password - *****	Entered in Password Field	Pass	
					Step 4	Click on Login Button	Was allowed to Login	Pass	



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See you in Next Video

