

WRITING TESTCASES



WHAT TO EXPECT



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OK GOOGLE !!

What is a Testcase ?

A **Testcase** is a series of steps (Instructions) which include
inputs,
conditions &
the expected output

in order to assess if the Application Under Test performs as desired.



Lets look at an Example



<https://bookstore.qacurry.com/>

Our first Testcase

Testcase Format

Testcase ID	Testcase Description	Test Steps	Expected Result	Actual Result	Status

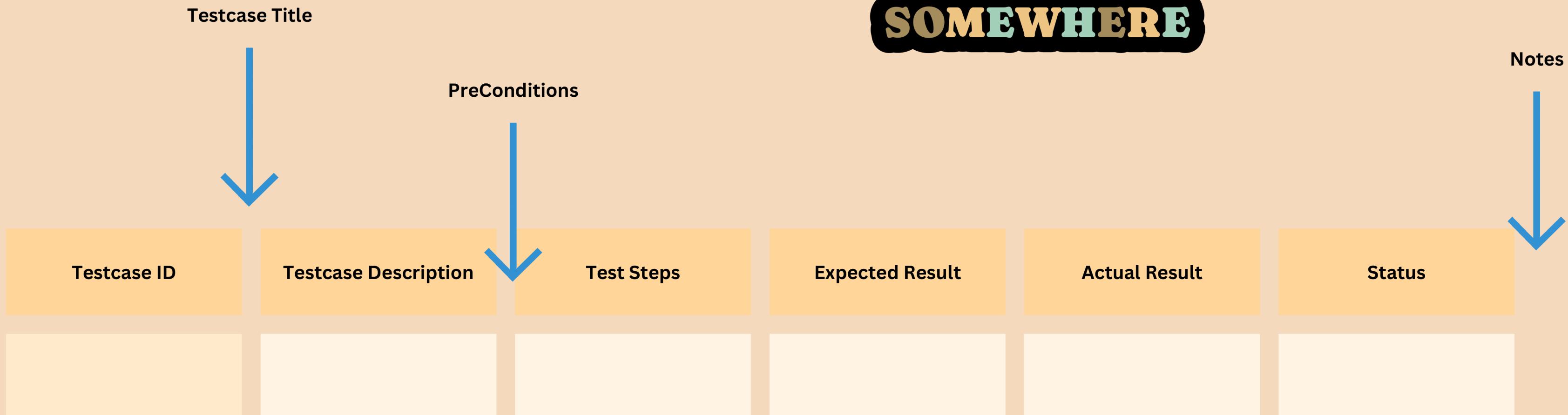
Our first Testcase

Testcase Format

Testcase ID	Module	Testcase Description	Test Steps	Expected Result	Actual Result	Status
1	Login	On Providing valid credentials, User should beloggedin to the BookStore Application	Step 1 Open https://bookstore.qacurry.com on any Browser	The web application is open & Welcome message is displayed		
			Step 2 Enter username - student@qacurry.com	Username is allowed		
			Step 3 Enter Password - *****	Password is allowed		
			Step 4 Click on Login Button	Redirected to the Book Catalogue.		

Components of a Test Case

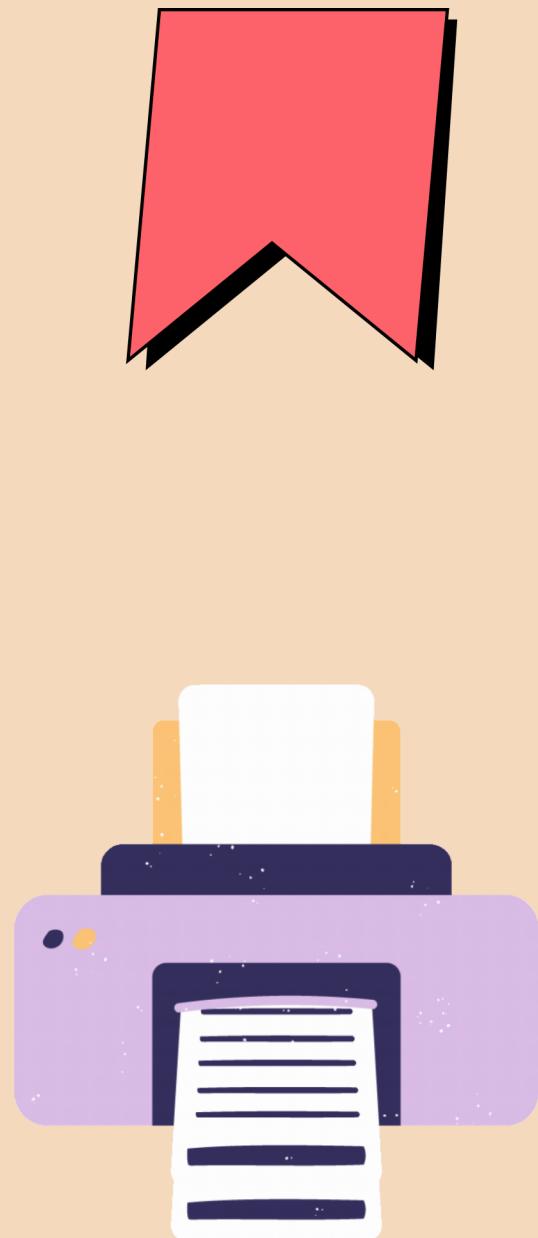
- **Test Case ID:** Unique identifier.
- **Test Case Title:** Clear and descriptive.
- **Description:** Detailed steps to execute the test.
- **Preconditions:** Initial conditions necessary for the test.
- **Test Steps:** Actions to be performed.
- **Expected Results:** Desired outcome after test execution.
- **Actual Results:** Outcome observed during testing.
- **Status:** Pass, fail, or blocked.
- **Notes:** Additional comments or observations.



Writing Effective Test Cases



- Clear and concise language.
- One test case per functionality.
- Test cases should be independent.
- Avoid assumptions.
- Include both positive and negative scenarios.
- Use relevant data for inputs.
- Include setup and cleanup steps.
- Consider boundary conditions.



Testcase Design Techniques

- **Equivalence Partitioning:** Dividing input data into groups that are expected to behave the same way



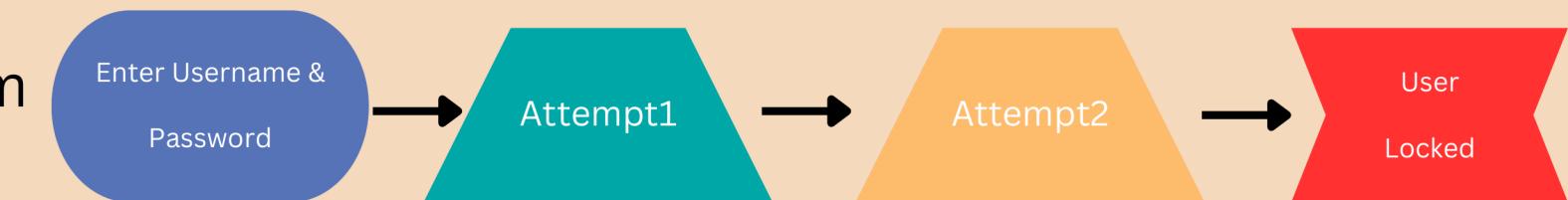
- **Boundary Value Analysis:** Testing input values at the edges of their valid ranges.

Valid Username	Valid Password	Allowed to Login ?
N	N	N
Y	N	N
N	Y	N
Y	Y	Y

- **Decision Tables:** Mapping multiple inputs to expected outcomes.

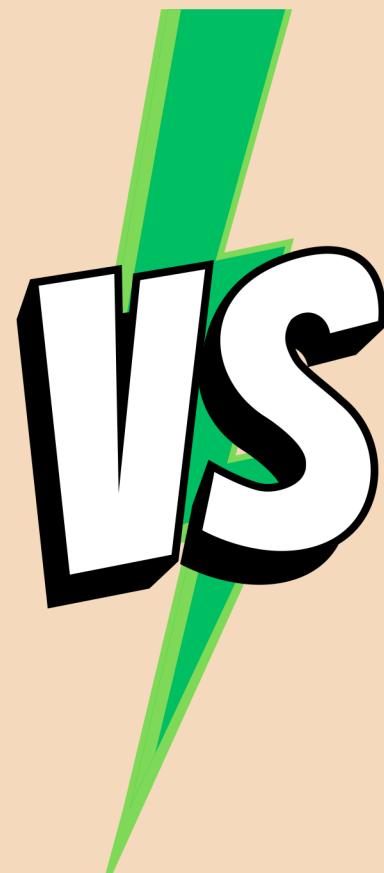
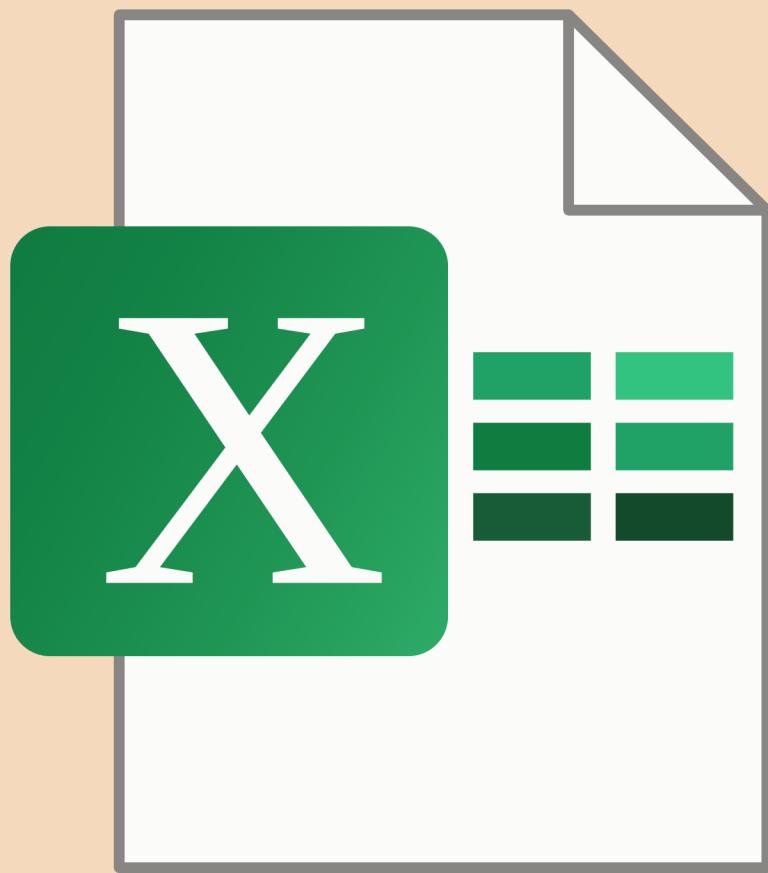


- **State Transition Diagrams:** Visualizing different states of a system and transitions.



Use Case Testing: Testing based on user scenarios.

Writing Testcases



Assignment



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See you in Next Video

