Scenario Creation

&

Defect Management

By Usha Sai & Rajani

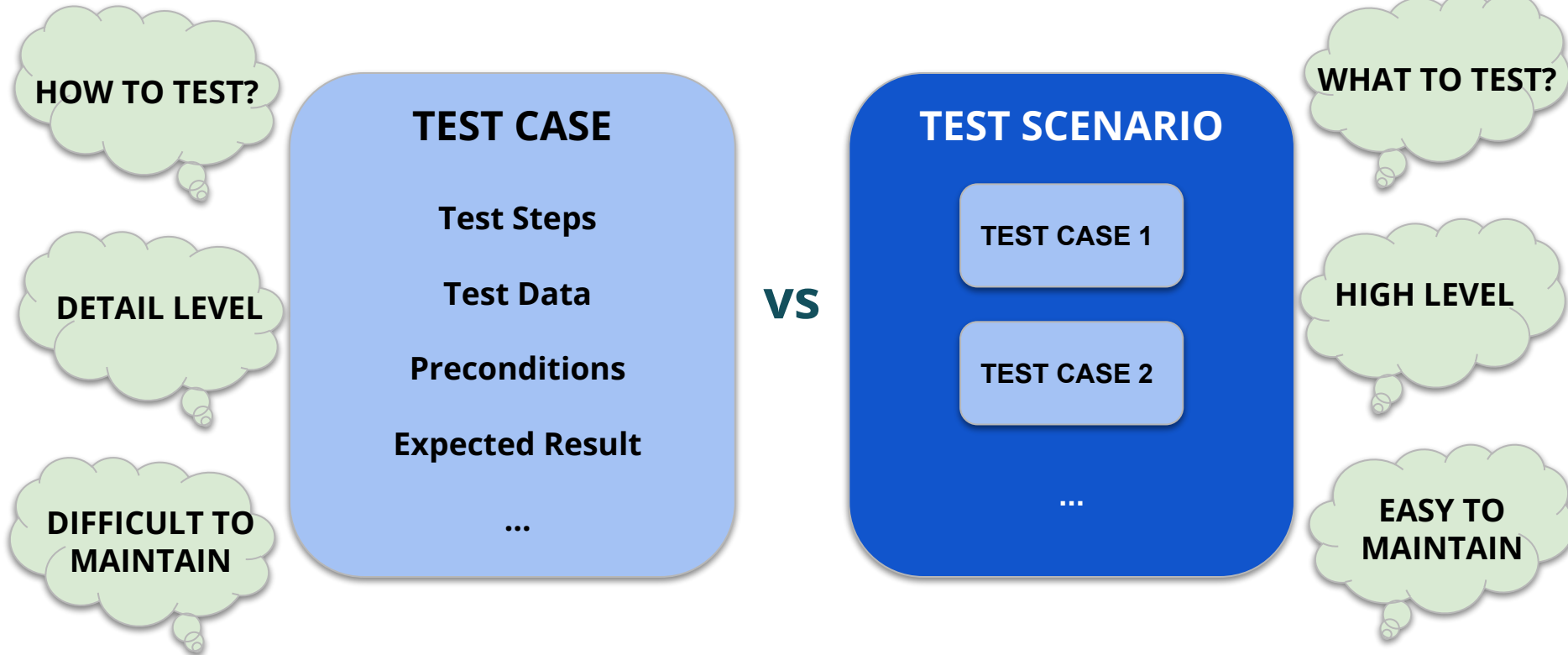**Thought**Works®

About Test Scenarios and Test Cases

Test Scenario VS Test Case

ThoughtWorks®

HOW TO TEST?

WHAT TO TEST?

DETAIL LEVEL

HIGH LEVEL

DIFFICULT TO MAINTAIN

EASY TO MAINTAIN

TEST CASE

Test Steps

Test Data

Preconditions

Expected Result

...

VS

TEST SCENARIO

TEST CASE 1

TEST CASE 2

...

Test scenario & Test case sample

	A	B	C	D	E
1	**Test case ID**	BU_001		**Test case description**	Verify whether a valid user can log in
2					
3	**S#**	**Prerequisites**		**Test data desc**	**Test data value**
4	1	Access to Chrome browser		Username	validuser@test.com
5				Password	test@1234
6					
7	**Test Scenario**	Check the functionality of login			
8					
9	**Step #**	**Step Details**	**Expected Result**	**Actual Result**	**Pass/Fail**
10	1	Navigate to www.myaut.com	User should be navigated to the home page	As expected	Pass
11	2	User clicks on Login link	Login modal should be displayed	As expected	Pass
12	3	User enters valid username and password	User should be logged in	As expected	Pass
13					

What about this point that we made in our agile session??

Working software	**over**	**Comprehensive Documentation**

Test scenario & Test case sample – Acceptance criteria

Scenario: Verify the login functionality

Given	When	Then
User is on the Home page	User clicks on the Login link	User is prompted to enter username and password
User enters valid username and password	User presses Enter or clicks on Login button	- User is logged in successfully - Personalised welcome message is displayed
User enters an invalid username or password	User presses Enter or clicks on Login button	- User is not logged in "Invalid username or password" error message is displayed

Let's try some hands on

- Take 10 mins time to go through the application under test
- In the next 20 minutes, let's come up with the test scenarios and the corresponding test cases for the **Product Listing** feature
- Spend the next 15 minutes going through the scenarios and test cases captured
- Let's quickly pick up another feature for analysis - **Product Details**

HOMEWORK: Identify test scenarios and test cases for the **Checkout** feature. Send it out to us along with the scenarios explored during the handson session

Defect Management

Because reporting a defect is an art

A defect

Description	**Environment**
Priority	**Test data**
Severity	**Product version**
Steps to reproduce	
Actual Results	
Expected Results	
Screenshots/Error Logs	

A sample defect

As a user, when I click on the Home link at the top left of the screen, I am not redirected to the Home page

Description: User is not redirected to the Home page when they click on the link

Priority: High

Severity: High

Steps to reproduce:
- Launch the website
- Navigate to some page
- Click on the link to go to the Home page link

Actual Results: User is not redirected to the Home page

Expected Results: User should be redirected to the same page

Environment: UAT

Test data

Product version

Screenshots/Error Logs: test.jpg

Sample of a well written defect

As a user, when I click on the Home link at the top left of the screen, I am not redirected to the Home page

Description: User is redirected to a 404 page when they click on the Home link

Priority: High

Severity: High

Steps to reproduce:
- Launch the website
- Navigate to some page
- Click on the link to go to the Home page link at the top left of the screen

Actual Results: User is redirected to 404 page, the URL to the Home page is incorrect

Expected Results: User should be redirected to the Home page with url https://myhome.mywebsite.com
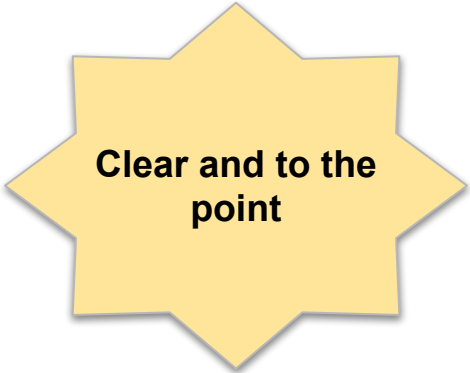
Environment: UAT

Test data

Product version

Screenshots: incorrectHomePageLnk.jpg

Tips for writing an effective defect

Clear and to the point

Don't be too authoritative

Do not cram too much into one bug

Use simple words and meaningful sentences

ThoughtWorks®

Time for some hands on

- Spend the next 20 mins to find defects in the **Search and Filter feature** in the application under test
- Report a comprehensive defect documentation for the defects you have uncovered
- Prioritize the defects and assign severity

HOMEWORK: Find as many defects as possible in the application under test. Prepare effective defect documentation and send it out to us

Any Questions?

THANK YOU!