TECHPROED

PROFESSIONAL TECHNOLOGY EDUCATION

SOFTWARE TESTING LIFE CYCLE

Requirement Analysis

Test Planning

Test Case Development

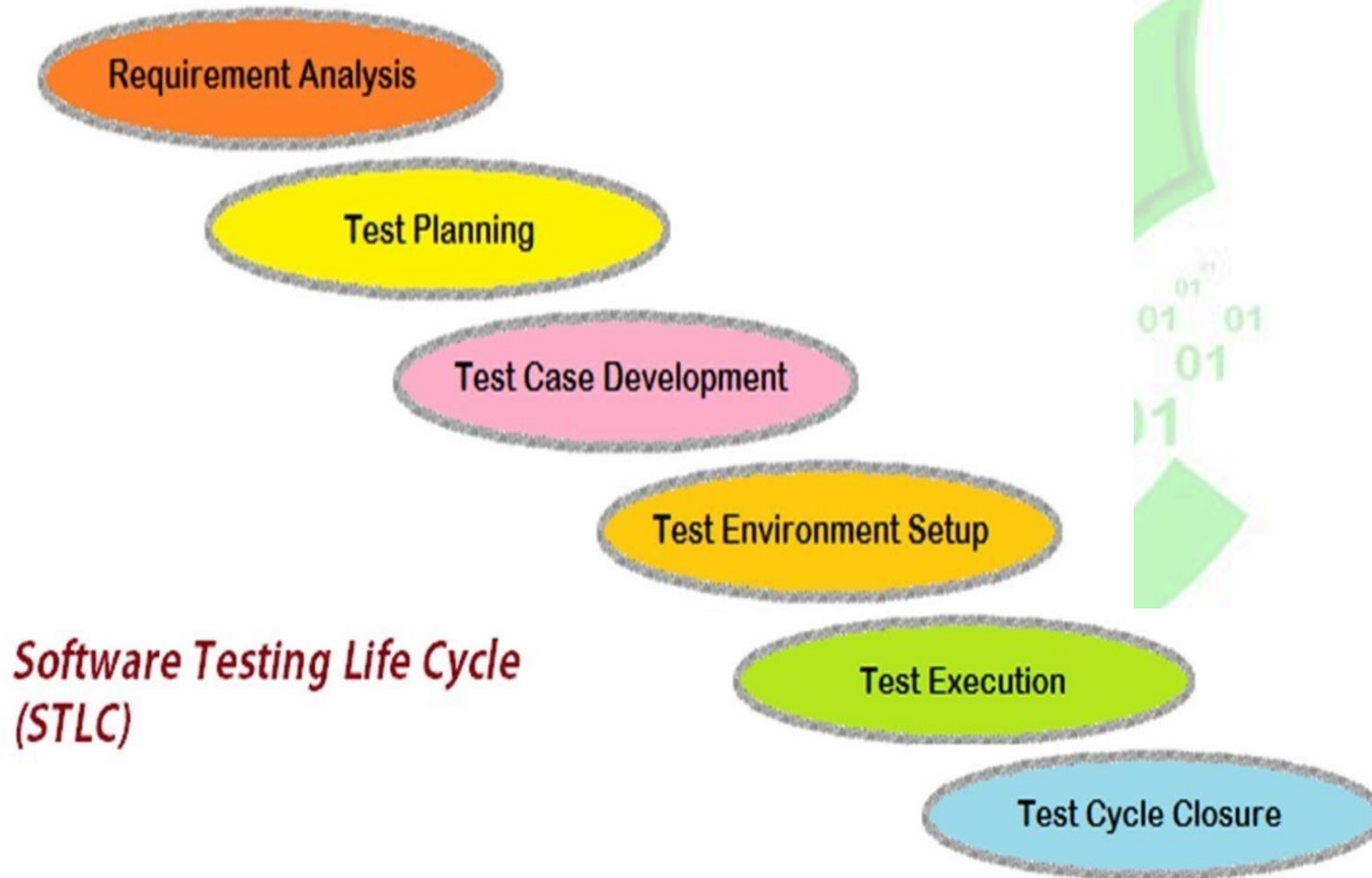**Test Environment Setup**

Test Execution

Test Cycle Closure

Software Testing Life Cycle (STLC)

Hello guys: here are the Product backlog items we need to process this sprint. Let us estimate their points now!

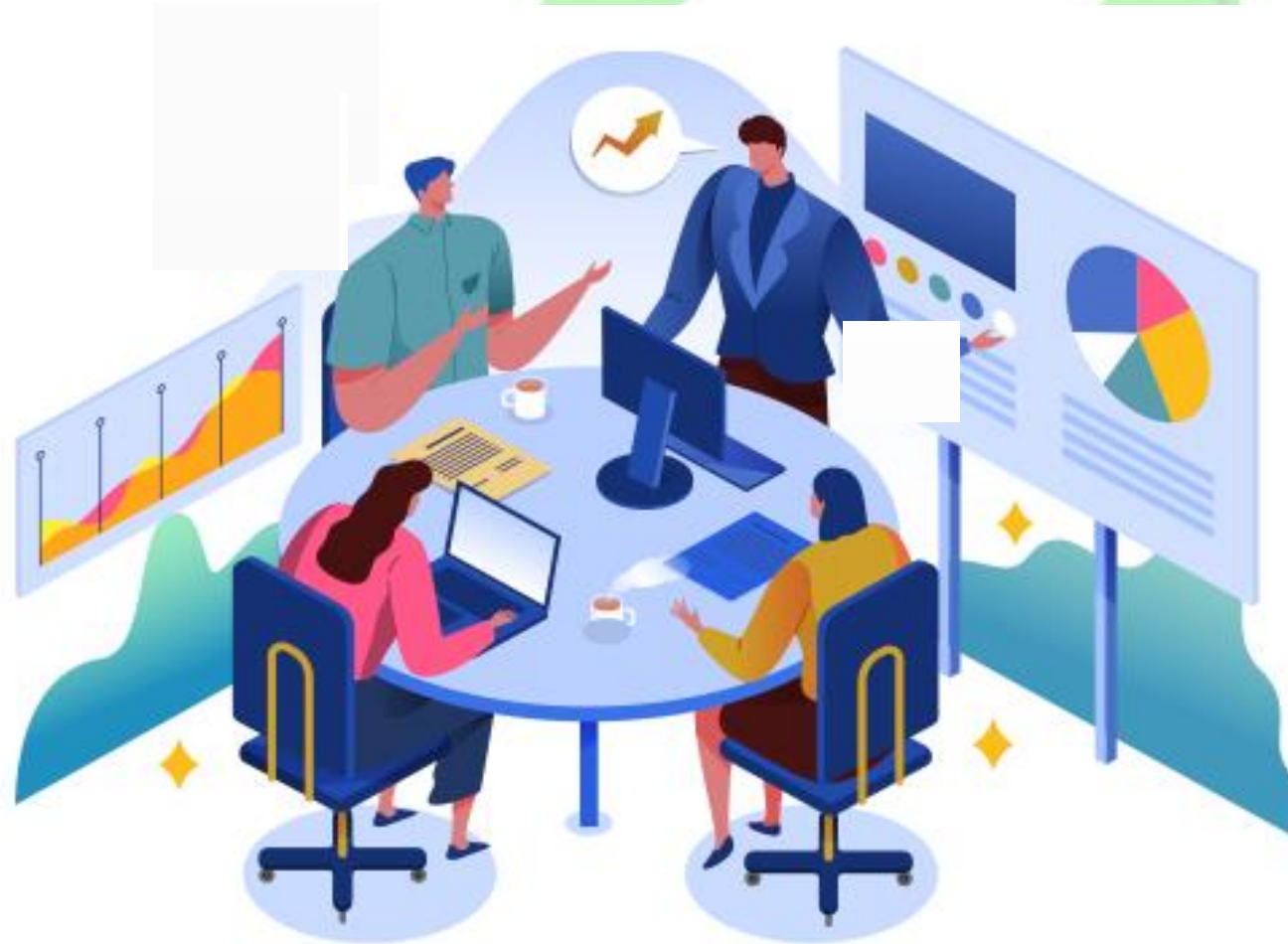# Let us start talking about what we did and will do today.

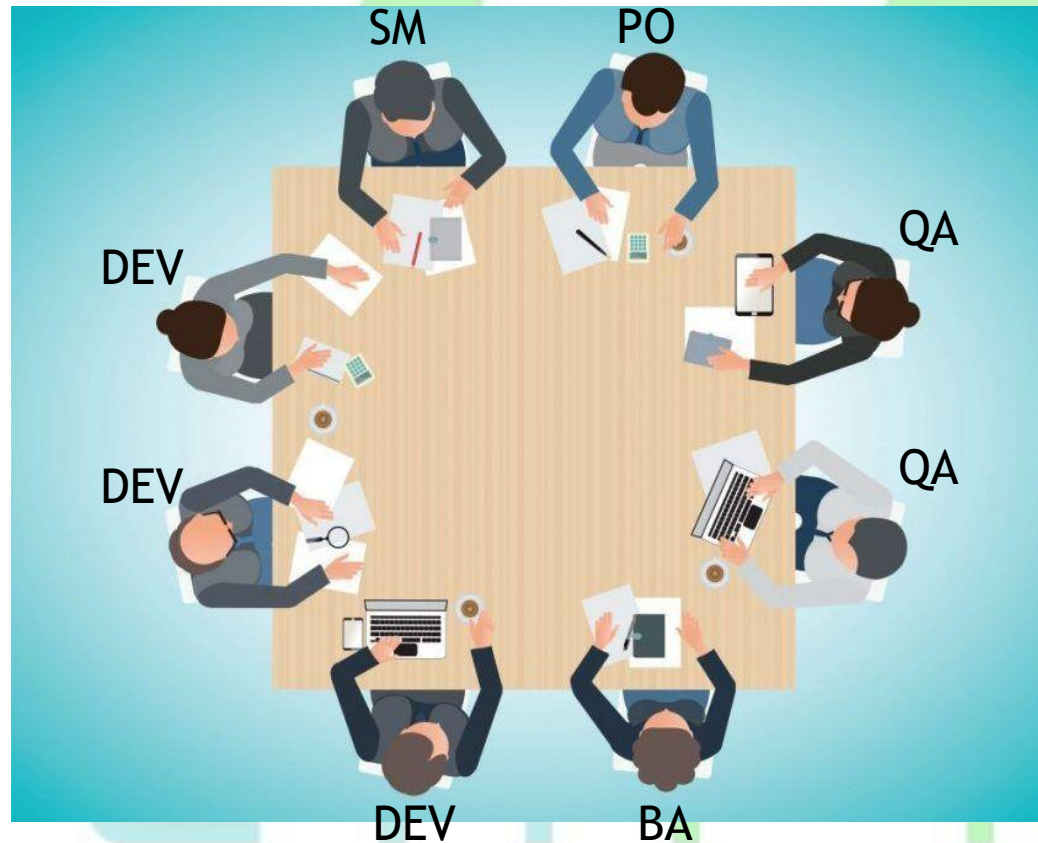Here is what is what has been done so far! Login functionality works fine and home page is stable..

Hello guys,
Let us discuss what went well and what were our challenges.

Another view of our board (JIRA / ALM)

Test Environments

- Dev
- Test
- Stage
- Prod

The Testing types that you are responsible for as an Automation Tester

▶ Smoke Testing ➔ Critical functionalities

▶ Regression Testing ➔ All functionalities after 3 months release

Do you think Developers can do any type of testing?

DEFINITELY YES

- They are responsible for Unit Testing

User Story Example:

Title:

▶ Enter Personal Identification Number (PIN)

Description:

▶ As an ATM user, I want to enter my PIN So that I can withdraw cash

Acceptance Criteria:

▶ PIN must be four digits long

▶ PIN must not allow special characters

▶ PIN must be entered within 30 seconds or the transaction will be canceled

TEST CASE

A test case often contains:

▶ **Test Case ID:** The ID of the test case.

▶ **Title:** The summary / objective of the test case.

▶ **Test steps:** Step-by-step procedure to execute the test.

▶ **Test Data:** The test data, or links to the test data, that are to be used while conducting the test.

▶ **Expected result:** The expected result of the actual test:

▶ **The actual result of the test:** to be filled after executing the test.

▶ **Status:** Pass or Fail

Test Case ID	Test Objective	Pre-Condition	Steps	Test Data	Expected Result	Actual Result	Status
TC_001	I should not login to Facebook	Login should not be available at www.facebook.com	1_Go to https://www.facebook.com/	username ="Never_Giveup" password ="ICanDoIt"	user should not be able to login		
			2_Click on username checkbox				
			3_enter username				
			4_ Click on password checkbox				
			5_ enter the password				
			6_click on login button				

When you have defects, you should go with more critical functionality first..

- Priority vs Severity

- Login functionality   vs   Homepage

- High priority   High severity

- Medium priority   Medium severity

- Low priority   Low severity

GLOSSARY

- Test case => is your scenarios that describe what you will test step by step

- Test plan => has entrance and exit criteria that describe the scope, approach resources and schedule of intended test activities.

- Test execution => Once your script is ready then you run it or go over it manually.

- User story => The smaller description of functionality

- Epic => higher description of functionalities

- Test data => The data that you need to use to test functionalities

- Acceptance criteria => The detailed scope of testing the functionality

- Expected result => when testing an application, expected behavior of the functionality

- Actual result => when testing the same application, whatever is faced by the application either expected or not

- Environments => Dev,Test,Stage,Prod