

Using JIRA tool, tester's can also write test scenarios , test cases. JIRA doesn't have that direct support.

There are some plugins/tools which are available inside JIRA

There is a plugin with Zephyr. This plugin is basically responsible to create the template for writing scenarios, test cases and so on.....

TASK

1) Test the login page

SUB TASKS

- 1) Write the Test Scenario
- 2) Write the Test cases

Test Cycle is a container to group multiple test cases.
Test Plan is a container to group multiple test cycle.

Scrum Methodology:-

=> Product owner, Scrum master, Scrum team, Designers

=> Every person will have a sprint like 2 weeks, 3 weeks,

=> We will have many meetings conducted within a sprint

NOTE: In Scrum Methodology everything is perfectly planned and then executed.

=> We can implement Scrum methodology using JIRA, where all the team members will get the updates that happen's throughout the sprint.

Scenario:

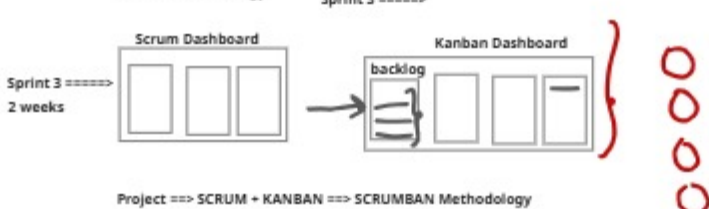
{ sprint 1 ==> 5 features are developed
sprint 2 ==> 4 features are developed
sprint 1 + sprint 2 ==> software ==> CUSTOMER ==> start using
sprint 3 ==> 2 weeks ==> 3 dev and 2 tester's

In SCRUM, before any activity starts, a proper plan will be prepared

If they include customer issues in the current sprint, then all the planned activities cannot be completed within the deadline.

Kanban Methodology

Sprint 3 =====>



Project ==> SCRUM + KANBAN ==> SCRUMBAN Methodology

Extreme Programming(XP)

=> This methodology focuses only on the developer's perspective.

=> Has some rules, will basically make developer to improve the quality of the software.

1) Pair Programming

2 developers working together on a software development by connecting to same system.

=> There is a requirement to create "Rating" functionality
In food delivery applications

Dev A ==> Create this feature with 5 stars

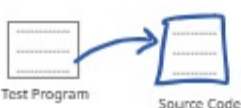
Dev B ==> Gives the idea to include emojis for the 5 stars

2) TDD(Test Driven Development)

Developer created a search functionality



Dosa batter ==> Prepare Dosa ==> Eat(salt is very less)



3) Continuous Integration

Always do continuous integration

=> Dev A, Dev B ==> whenever they write some code to develop a functionality, if the code is correct, immediately push that code to GITHUB.

4) Small Releases

Monday ==> Veg Filter ==> Show to the customer

Wednesday ==> Non Veg Filter ==> Show to the customer

5) Customer will connect with the developers everyday

6) Collective code ownership

Dev A ==> create Veg Filter

Dev B ==> can fix the issue if there's any bug reported in it

7) No need to work for extra hours

9 to 6

Agile Testing

=> Testing done in Agile model is called as Agile Testing.

The testing that happens in Agile model and the testing that happens in other model ==> NOT SAME

In other models, testing will start after the development is completely done
In agile mode, testing happens every time a developer develops a feature.

Today search functionality is developed, tomorrow they will finish testing search functionality.

testing is done in agile model in 4 quadrants

Testing done by the developers (WBT, Unit Testing)	Testing done by tester's i.e Functional Testing
Testing done by the real customer	Testing done by tester's i.e Non Functional Testing(performance/security)

D F NC

What is Sprint 0 OR Iteration 0

Sprint 0 ==> It is a time duration during which the infrastructure setup of the project will happen.

=> Development Environment should be ready

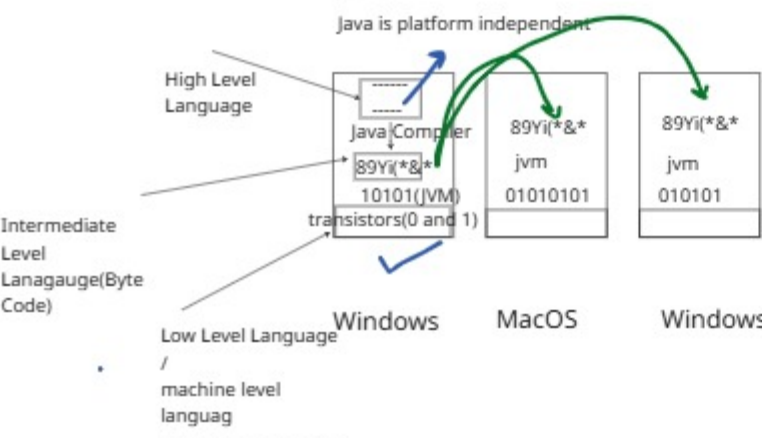
=> Test Environment should be ready

=> Decide what are the tools that will be used in this sprint
Selenium

Scrum master, Product Owner, Devop's Engineers, ...==> meeting ==> setup will be done in 1 weeks or 2 weeks

Java

Java is platform independent



Inside Java, every line should be kept inside Main Method

javac filename ==> Java Compiler

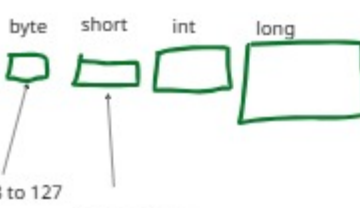
java mainmethod classname ==> JVM

Java Compiler duties

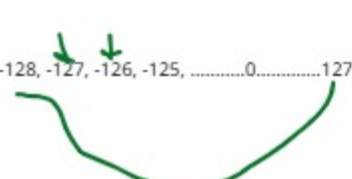
- 1) check for any syntax issues or not.
- 2) If no issues, then generate Byte Code else display appropriate error message

variables ==> containers to store some data

If a variable is storing numbers without decimal point, then that variable will be of int type OR byte type OR short OR long



short s = 130;
byte b = (byte)s;



In JAVA, any number created without type, it is always of INT type

If i want to store a number with decimal then, we have to use float OR double