

✓ <input type='text' name='uname' class='field'>

✓ <input type='password' name='uname' class='field'>

<input type='password' name='pass' class='field'>

→ //input[@type='password'] → ②

//input[@type='password' and @name='uname']  
//input[@type='password'][@name='uname']

Testing? - Unit Testing <sup>predefined rules</sup> Framework } → Unit Testing  
↓  
(for JAVA) coding / white box Testing done by  
developers

Testing of a smallest unit of coding part


↓  
Single line of code

Method

class

Component

TestNG Features :- ] → Used to generate Reports.

→ Works based on Annotations @  testng.xml

→ To perform parallel<sup>Self</sup> execution across various browsers.

→ Prioritization

→ Ignore the TCs

→ Data provider / parameterisation | → @ parameter

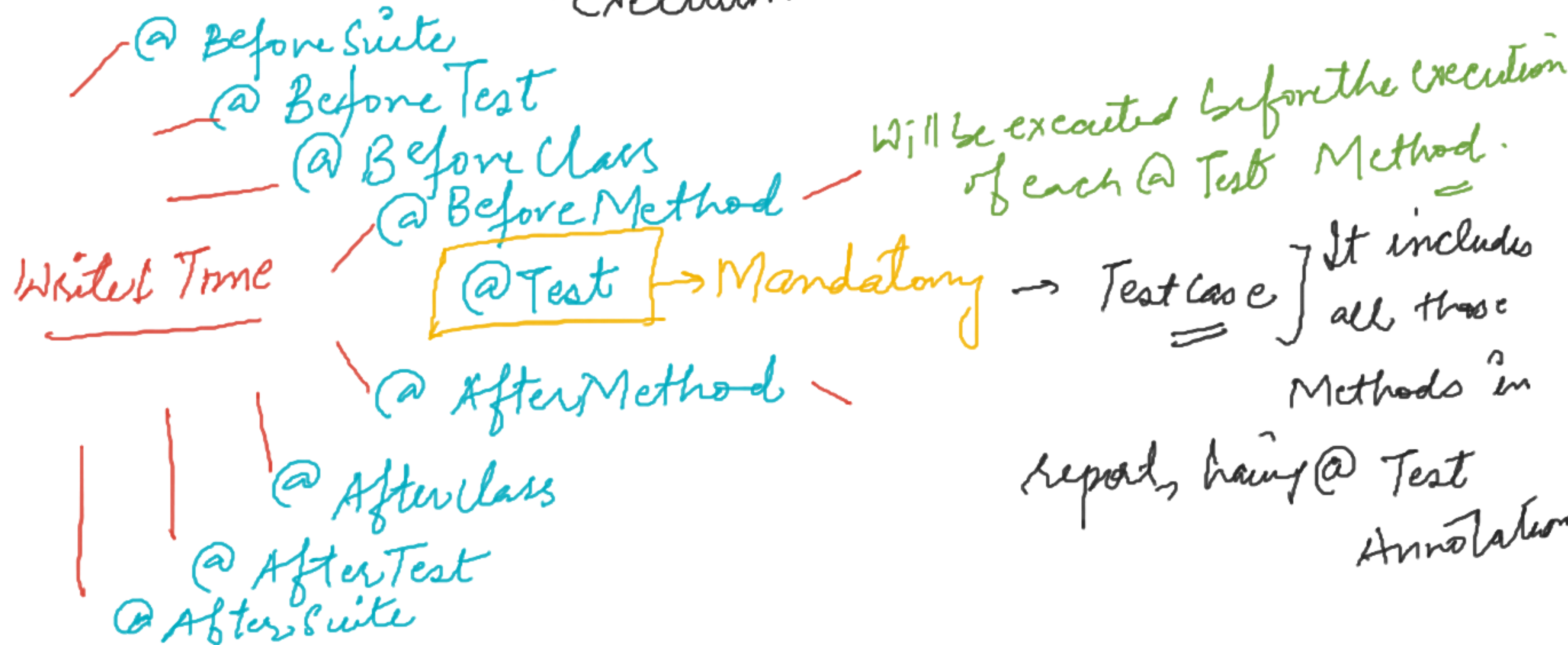
→ Depends On Methods →

→ for Validations - Assertions

→ Grouping → Testng.xml 



1. Annotation? - is small piece of code, helps to control the flow of program / methods execution.



TestNG → 3rd party library ; we have to add externally.

TestNG include in the project ?  
↳ lib.

→  
→ Right Click project → Build Path →

Add Library → TestNG

TESTNG Download -  
<https://testng.org/doc/download.html>

Project Level → Run  
← @BeforeSuite → Browser launch

availability  
clean ← Admin  
↓

@BeforeTest → testng.xml

diff browser for  
class each  
class ← @BeforeClass

@BeforeMethod → clear, pre-requirement

@Test → functionality automation

@Test → Test Cases.

@AfterMethod

@AfterClass

@AfterTest

@AfterSuite

logout — (2) — (1)  
login ✓ (1)  
login — (2)



## (II) Prioritization :-

@ Test (priority = 1)  
m1 L S 3

p=0 — @ Test  
am2 () 2 3

@ Test (p = 2)  
am3 () 2 3

p=0 — @ Test  
bm2 () 2 3

am2  
—  
m1  
am3

am2  
bm2  
m1  
am3

H.P = 0, If not waiting any thing

or not set the priority by default it would be '0' priority

priority → Yes set - priority

X (-1, -2, -3)

Q:- Prioritisation  $\Delta$  depends On Methods.

All the TCs will be executed despite of previous / first method is getting failed

$m1(p=1)$  Passed  
 $m2(p=2) \Rightarrow$  Exception - Failed  
 $m3(p=3)$  - Failed

It will skip the method if the dependedent Method is having some Error / Exception

$m1 \in$   $m2(d.o.m = "m1")$  - Exception - skipped  
 $m3(d.o.m = m2)$  - skipped



# Assertion? - used for validation purpose.

↓

Expected / Actual

Can't use if/else stmts for validations

Diff Assertions - Assert → Static Method

→ Hard Assertion → As we get the validation failed, it will stop the execution.

→ Soft Assertion → It will halt the execution,

↓

even after getting the exception or validation fails.

SoftAssert →

Non-Static Methods  
↓  
assertAll();

testing.xml → Extensible Markup Lang.

↳ Data Store

↳ tests

Project

↳ 10 classes

⑤

testing.xml

<xml>

<Suite>

<test>

<classes>

<class name = ' ' >

</classes>

</test>

</Suite>

] 5 class Name

How to generate / connect project to testng.xml?

⇒ right click on project → TestNG → Connect to TestNG

[it includes only those classes having @Test Annotation].



# Sep. 8 11:44 Execution in TestNG }