

TestNG :- Unit Testing Framework, → used by JAVA Dev for unit testing.
QA → for report generation

TestNG works based on Annotations

main() X [Test Next Generation] piece of code which helps to set the flow of control Methods execution

JUNIT → TestNG

- For report Generation ✓
 - Hall execution / Sep. across various Browsers on Single M/c.
 - ✓ Prioritization → set the priority ✓
 - ✓ depends on Methods →
 - Grouping —
 - ✓ Annotations → ⊛ ✓
 - ✓ Data providers
 - ✓ Assertions → validation purpose
 - parameterisation
- Listeners
 - Extent Report
 - Ant NG
 - Log4j

→ Can't use if else.
for validation purpose.

Main Imp. file



testng.xml

→ Threading

Parameterisation

Grouping

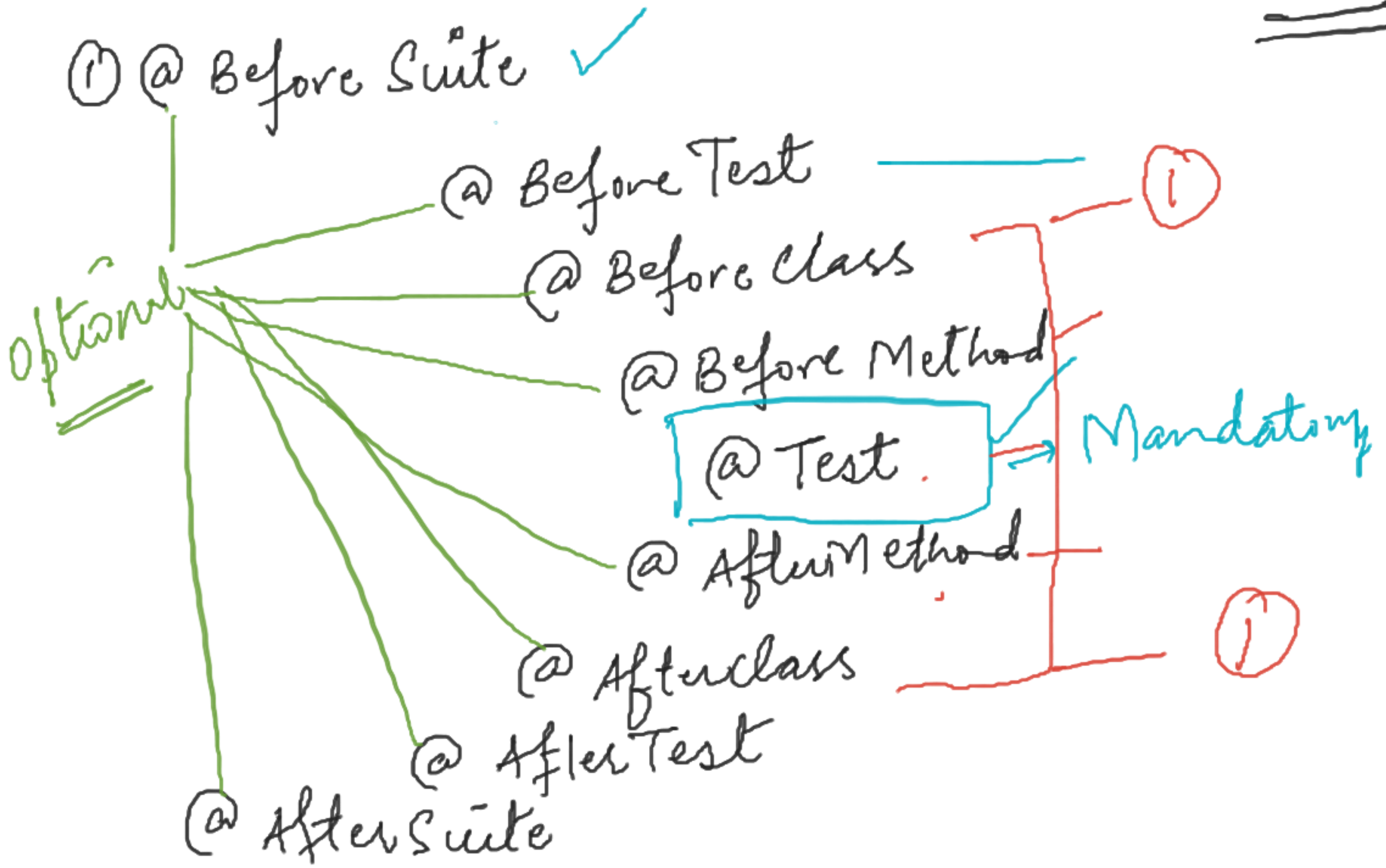
Hard
set

Listeners

1) Annotation → @

→ @Test

↓
main method
of TestNG



✓ @BeforeMethod] clear ✗

@Test 1 → fields } clear

@Test 2
→ fields }

✓ @AfterMethod

{ BeforeMethod
@Test1
AfterMethod

{ BeforeMethod
@Test2
AfterMethod.

@ Before class

@ BeforeMethod

@ Test - 1

@ Test - 2

@ AfterMethod

@ After class

→ Before class
BeforeMethod

@ Test 1

AfterMethod

BeforeMethod

Test Case-2

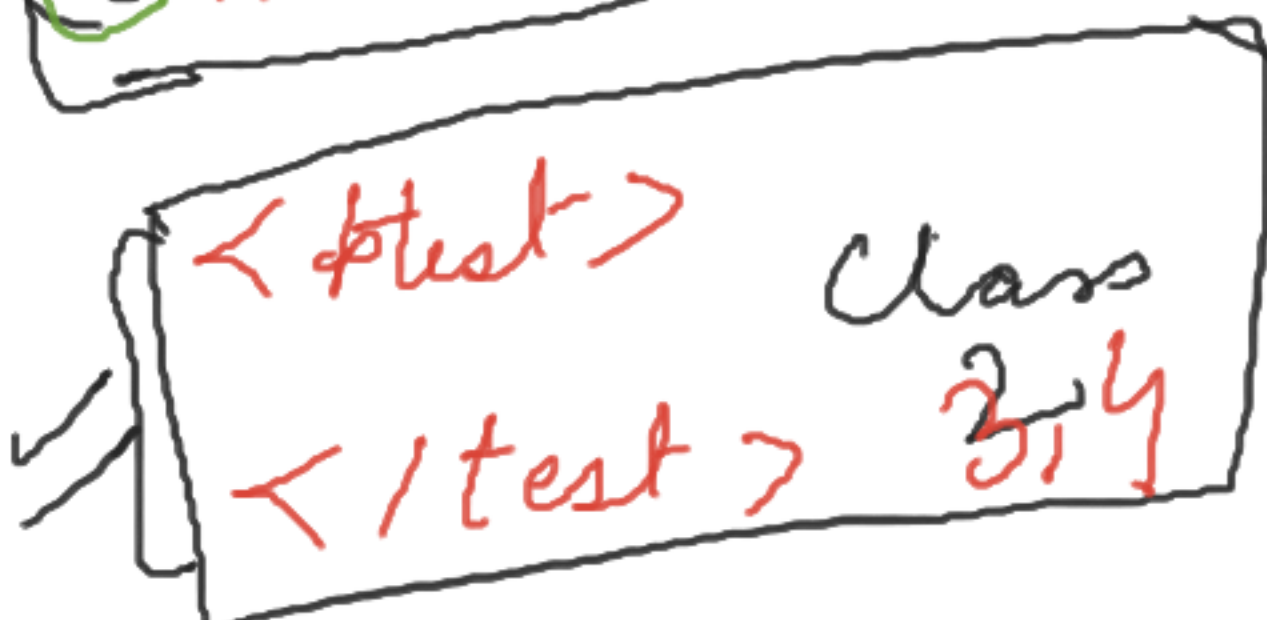
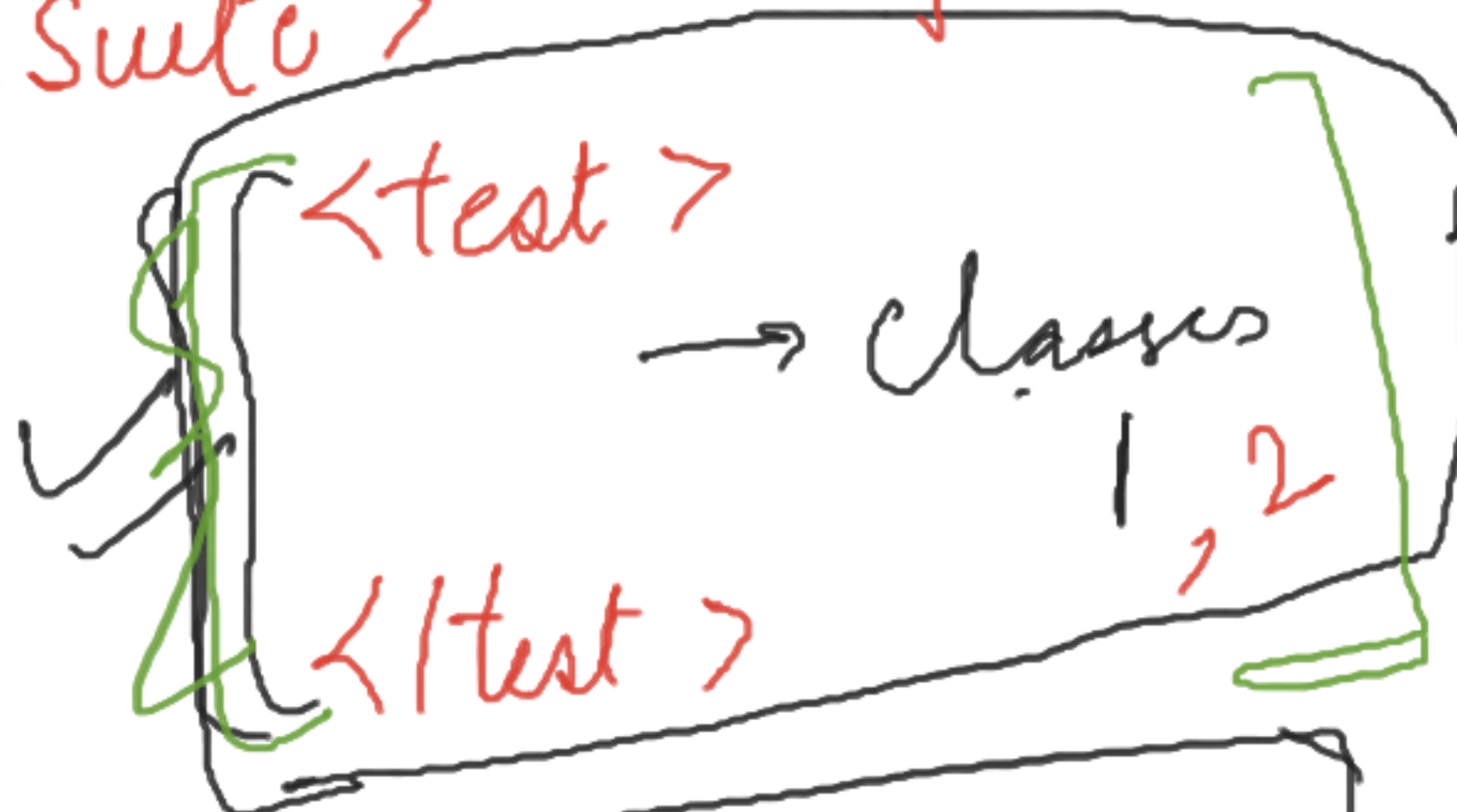
AfterMethod

→ After class

testing.xml

<Suite>

beforeSuite

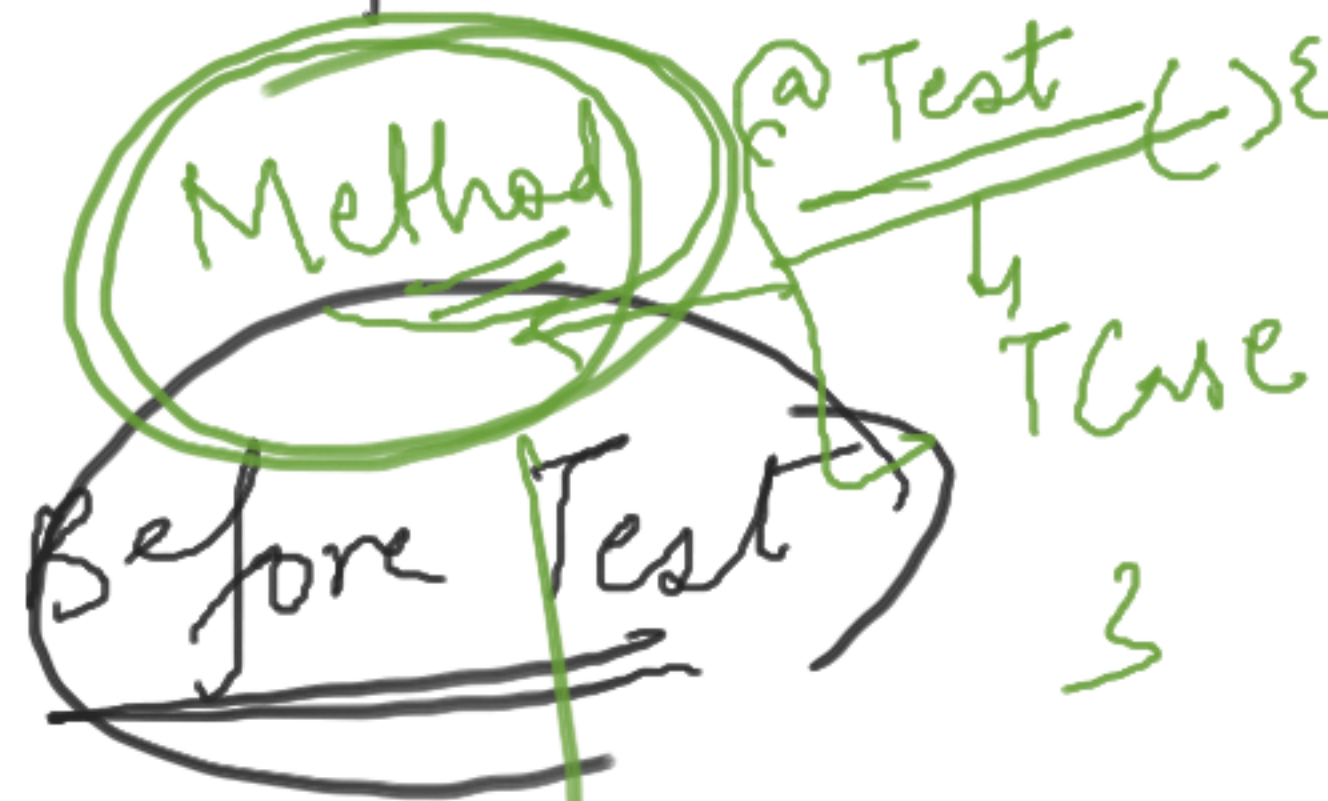


</Suite>

AfterSuite

@BeforeTest X

Before Method



testing

Before Test

@ Before Method

①
Before Test

[Class 1
Class 2] < Test > 1

@ After Test

BT

AT

[Class 3
Class 4] < Test > 2

@ Test

@ Before Method

@ Test 2

@Test a —

@Test c —

@Test d —

@Test b —

Alphabetical order

Highest prio
priority = 0

By default $\rightarrow 0$

@ Test - c - 1

@ Test - m - 2

@ Test - d - 0 } Alphabetical

@ Test - a - 0

