

JUnit (junit.org)

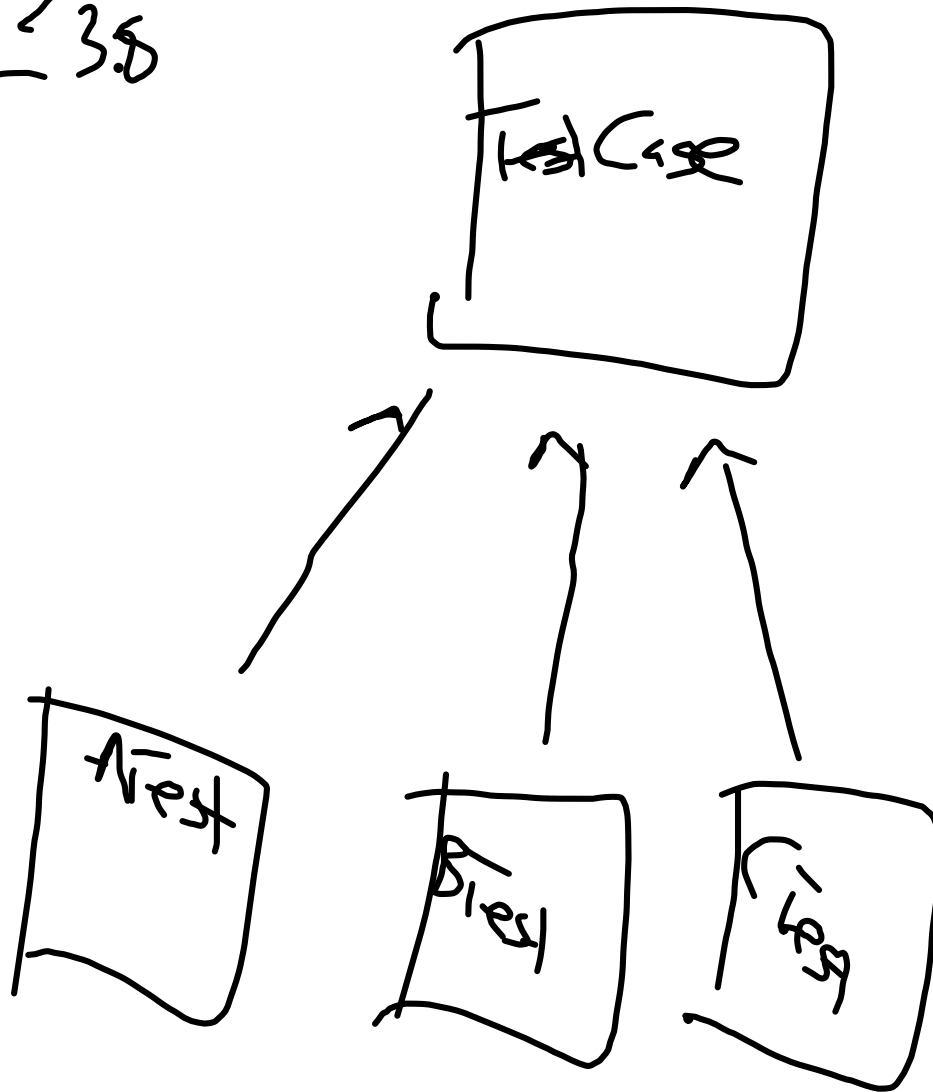
4.5

JUnit — X language of choice

1. specify tests to be run
2. provides a means of specifying fixtures

3. Assertions
4. Convenient run-ability
5. Group/categorize tests
- AA

3.8



Classes
A
B
C

```
public class ATest extends TestCase {
```

```
    public void testAdd() {
```

```
        //
```

```
    }
```

```
    public void testSub() {
```

```
        //
```

```
    }
```

public void testA22() {

Assert(REAL-ANSWER, result,
"result != Real Answer")

}

JUnit 5

Assert

→ assertEquals, assertEquals

```
public TestCase testSuite () {
```

```
// collects tests
```

```
// into groups
```

Java 1.5 introduced

Annotations



a stub @ declarative
programming

Objective

```
MyClass.m
@interface MyClass {
    int f1;
    int f2;
}
@property f1
@property f2
@end
```

```
MyClass.m
@implementation
@synthesize f1;
```

Unit 4.5

system classes A, B, C

test classes ATest, BTest, CTest, ...

```
@Test    public void    test Some Method  
        someMethod() }
```

~

```
@Test (expect = IllegalArgumentException.class)  
public void .....
```

@Test

@BeforeClass

@Before

@AfterClass

@After

Implement a double-ended
Stack

pushE

Push W

POPE

Pop W

isEmpty