

SMDP Exercises 5

Model Driven Development, IT-University of Copenhagen

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Task 1 - Assertion expressions

assertTrue(String message, boolean condition)

condition == True

assertEquals(String message, Object expected, Object actual)

expected.equals(actual)

assertEquals(String message, String expected, String actual)

same as object

assertEquals(String msg, double expected, double actual, double delta)

Math.abs(expected - actual) <= delta

assertEquals(String message, float expected, float actual, float delta)

same as double

assertEquals(String message, long expected, long actual)

Wraps with object type and calls equals method on object

Long.valueOf(expected).equals(Long.valueOf(actual)))

... boolean

byte

char

short

int ...

Same as long

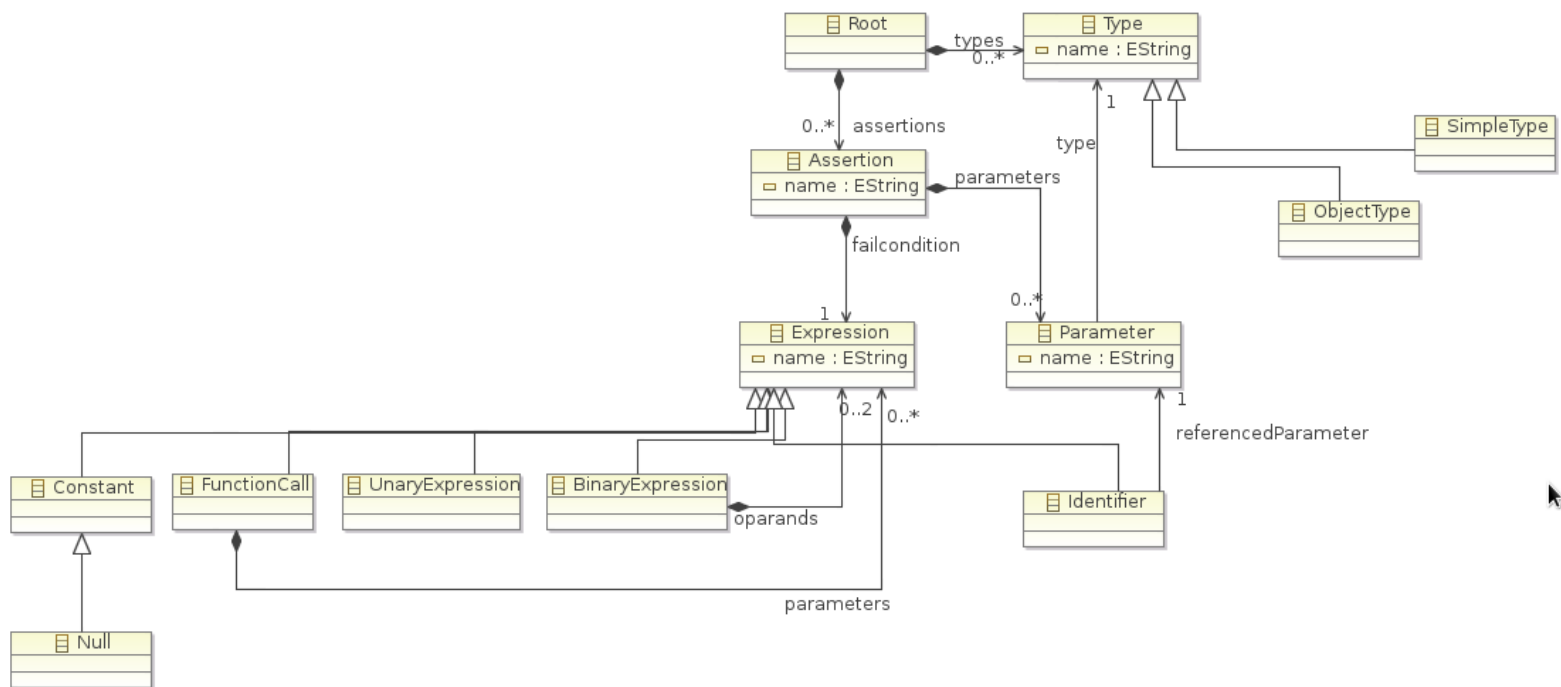
assertNotNull(String message, Object object)

object != null

assertSame(String message, Object expected, Object actual)

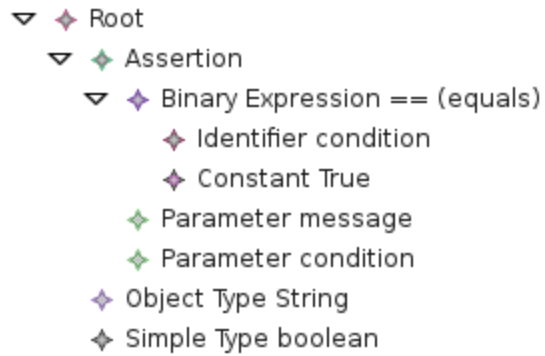
expected == actual

Task 2 - Meta-model diagram

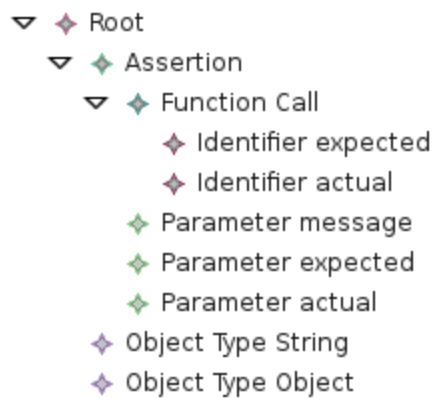


Task 3 - Syntax trees of instances

assertTrue(String message, boolean condition)



assertEquals(String message, Object expected, Object actual)



assertEquals(String msg, double expected, double actual, double delta)

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- ▼ ◆ Root
 - ▼ ◆ Assertion
 - ▼ ◆ Binary Expression <= (less-than-or-equal)
 - ▼ ◆ Function Call Math.abs
 - ▼ ◆ Binary Expression - (minus)
 - ◆ Identifier expected
 - ◆ Identifier actual
 - ◆ Identifier delta
 - ◆ Parameter message
 - ◆ Parameter expected
 - ◆ Parameter actual
 - ◆ Parameter delta
 - ◆ Object Type String
 - ◆ Simple Type double