

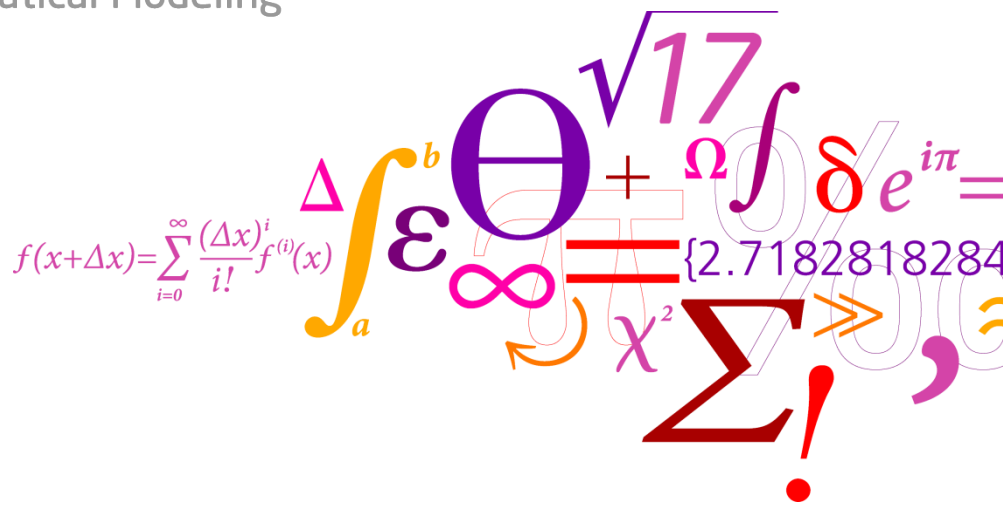
Software Engineering 2

Tutorial 7(8)

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Example:

test1:

when DoorAlarmEvent

if event.source == 1 && event.value >= 50 &&
 system.securitylevel == 1

then actorSound1.play(1,30),
 UserAlert.raise(event.event);

Example (cntd):

test2:

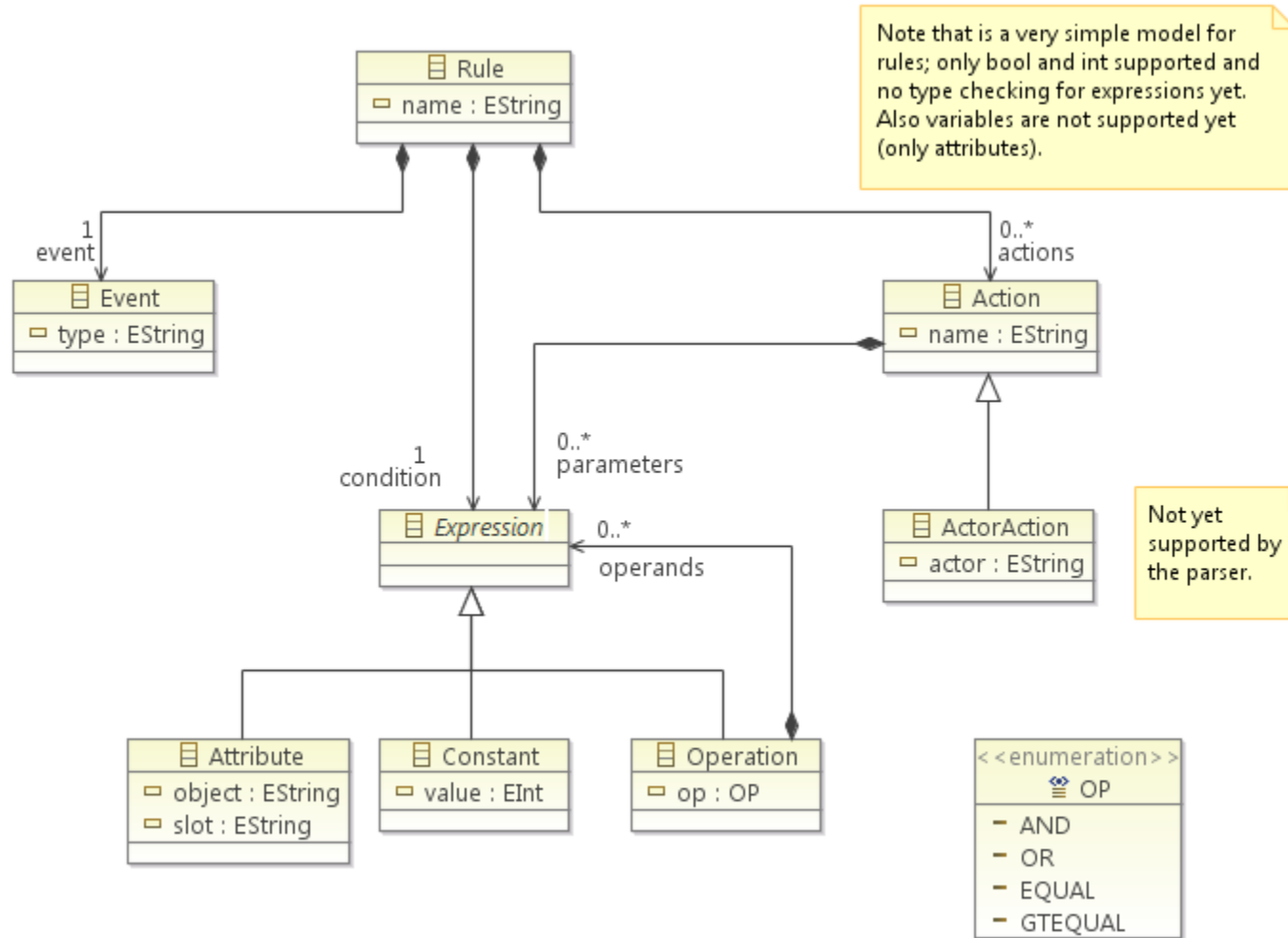
when DoorAlarmEvent

if system.securitylevel \geq 2 ||

event.source == 1 && event.value \geq 50

then actorSound1.play(1,30),

UserAlert.raise(event.event);



$RULES ::= (RULE \text{ ";" })^+$

$RULE ::= IDENTIFIER \text{ ":"}$
 "when" EVENT
 "if" EXPRESSION
 "then" ACTIONS

$EVENT ::= IDENTIFIER$

EXPRESSION ::=

EXPRESSION OP EXPRESSION |

ATOMIC

ATOMIC ::=

"(" EXPRESSION ")" |

ATTRIBUTE |

CONSTANT

ATTRIBUTE ::= IDENTIFIER "." IDENTIFIER

...

OP::= "||" | "&&" | "==" | ">=" | ...

...

IDENTIFIER::= "a"- "z" ("a"- "z" | "0"- "9")*

...