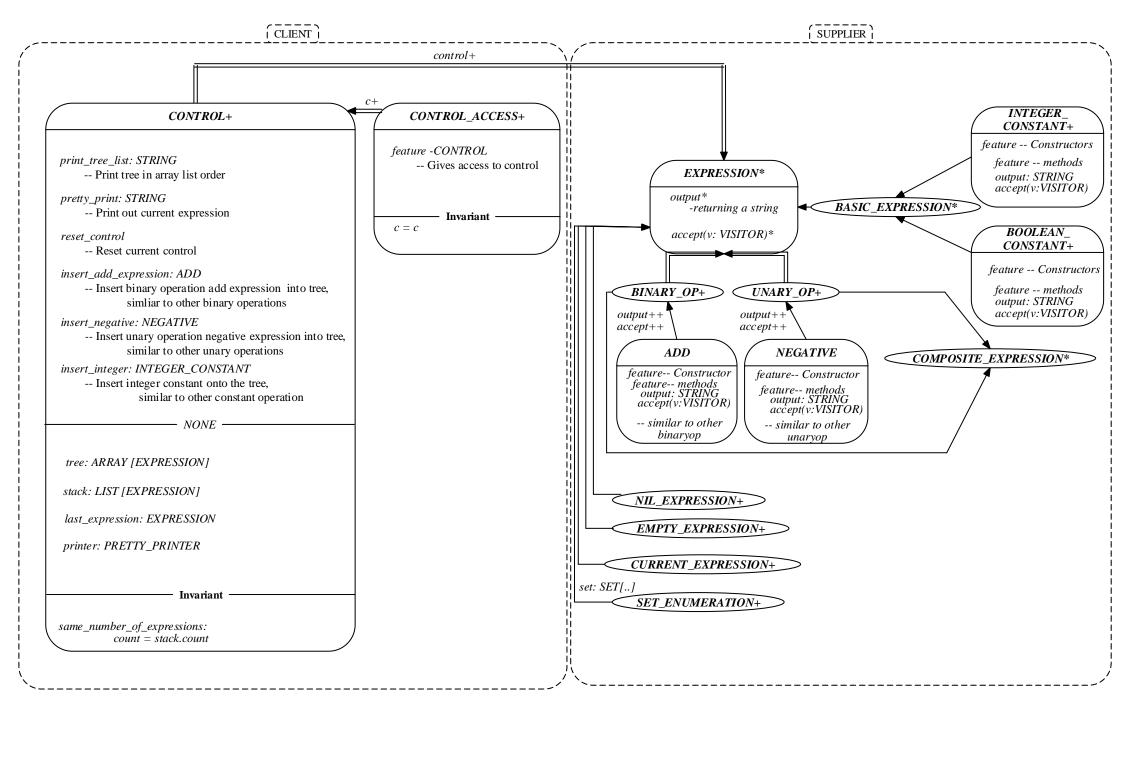
EECS 3311: PROJECT Summer 2015

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PRETTY PRINTING+

feature – constructor

-- creating text from string

feature – integer/Boolean operation visits

visit_integer(e: INTEGER_CONSTANT)

-- printing integer constant

feature – binary operation

visits

visit_add(e: ADD)

-- printing add expression

feature – unary operation visits

visit_negative(e: NEGATIVE)

-- printing negative expression

feature – set enumeration

visits

visit set(e: SET ENUMERATION)

-- printing set expression

feature -- Attribute

text:STRING

TYPECHECK+

(e: DIVIDE_EXPRESSION)* -- similar to other deferred

features

feature – integer/Boolean typecheck

visit_integer(e: INTEGER_CONSTANT)

-- type checking integer constant

feature – binary operation typecheck

visit_add(e: ADD)

-- type checking add expression

feature – unary operation typecheck

visit_negative(e: NEGATIVE)

-- type checking negative expression

feature – set_enumeration typecheck

visit_set(e: SET_ENUMERATION)

-- type checking set expression

EVALUATE+

feature – integer/Boolean

evaluations

visit_integer(e: INTEGER_CONSTANT)

-- evaluating integer constant

feature – binary operation evaluations

visit_add(e: ADD)
-- evaluating add expression

feature – unary operation

evaluations

visit_negative(e: NEGATIVE)

-- evaluating negative expression

feature – set_enumeration

evaluations

visit_set(e: SET_ENUMERATION)

-- evaluating set expression

feature -- Attributes

set: SET[EXPRESSIONS]

var1: INTEGER var2: BOOLEAN