IFJ projekt dokumentace

**Tým xzajic22, varianta TRP**

**Seznam členů týmu:**

Michal Cejpek – xcejpe05

Jiří Gallo – xgallo04

Jakub Kratochvíl – xkrato67

Jan Zajíček – xzajic22 (vedoucí)

Gramatika

program -> START STATEMENT\_LIST\_MAIN .

START -> <?php declare(strict\_types=1); .

STATEMENT\_LIST\_MAIN -> EPSILON .

STATEMENT\_LIST\_MAIN -> STATEMENT\_IF STATEMENT\_LIST\_MAIN .

STATEMENT\_LIST\_MAIN -> STATEMENT\_EXPRESSION; STATEMENT\_LIST\_MAIN .

STATEMENT\_LIST\_MAIN -> STATEMENT\_WHILE STATEMENT\_LIST\_MAIN .

STATEMENT\_LIST\_MAIN -> STATEMENT\_RETURN STATEMENT\_LIST\_MAIN .

STATEMENT\_LIST\_MAIN -> STATEMENT\_FUNCTION STATEMENT\_LIST\_MAIN .

STATEMENT\_IF -> if( STATEMENT\_EXPRESSION ){ STATEMENT\_LIST } STATEMENT\_IF2 .

STATEMENT\_IF2 -> EPSILON .

STATEMENT\_IF2 -> elseif( STATEMENT\_EXPRESSION ){ STATEMENT\_LIST } STATEMENT\_IF2 .

STATEMENT\_IF2 -> STATEMENT\_IF3 .

STATEMENT\_IF3 -> else{ STATEMENT\_LIST } .

STATEMENT\_WHILE -> while( STATEMENT\_EXPRESSION ){ STATEMENT\_LIST } .

STATEMENT\_LIST -> EPSILON .

STATEMENT\_LIST -> STATEMENT\_IF STATEMENT\_LIST .

STATEMENT\_LIST -> STATEMENT\_EXPRESSION ; STATEMENT\_LIST .

STATEMENT\_LIST -> STATEMENT\_WHILE STATEMENT\_LIST .

STATEMENT\_LIST -> STATEMENT\_RETURN STATEMENT\_LIST .

STATEMENT\_RETURN -> return STATEMENT\_RETURN2 .

STATEMENT\_RETURN2 -> STATEMENT\_EXPRESSION; .

STATEMENT\_RETURN2 -> ; .

STATEMENT\_FUNCTION -> function IDENTIFIER( FUNCTION\_PARAMETER\_LIST ): RETURN\_TYPE { STATEMENT\_LIST STATEMENT\_RETURN } .

FUNCTION\_PARAMETER\_LIST -> TERM\_TYPE IDENTIFIER FUNCTION\_PARAMETER\_LIST2 .

FUNCTION\_PARAMETER\_LIST2 -> EPSILON .

FUNCTION\_PARAMETER\_LIST2 -> ,TERM\_TYPE IDENTIFIER FUNCTION\_PARAMETER\_LIST2 .

STATEMENT\_EXPRESSION -> EXPRESSION\_FUNCTION\_CALL .

EXPRESSION\_FUNCTION\_CALL -> IDENTIFIER( PARAMETER\_LIST ) .

PARAMETER\_LIST -> STATEMENT\_EXPRESSION PARAMETER\_LIST2 .

PARAMETER\_LIST2 -> EPSILON .

PARAMETER\_LIST2 -> ,STATEMENT\_EXPRESSION PARAMETER\_LIST2 .

STATEMENT\_EXPRESSION -> EXPRESSION\_CONSTANT .

EXPRESSION\_CONSTANT -> CONSTANT\_INTEGER .

EXPRESSION\_CONSTANT -> CONSTANT\_FLOAT .

EXPRESSION\_CONSTANT -> CONSTANT\_STRING .

EXPRESSION\_CONSTANT -> EXPRESSION\_CONSTANT\_BOOL .

STATEMENT\_EXPRESSION -> EXPRESSION\_VARIABLE .

EXPRESSION\_VARIABLE -> $ IDENTIFIER .

STATEMENT\_EXPRESSION -> EXPRESSION\_UNARY\_OPERATOR .

EXPRESSION\_UNARY\_OPERATOR -> UNARY\_OPERATOR STATEMENT\_EXPRESSION .

STATEMENT\_EXPRESSION -> EXPRESSION\_BINARY\_OPERATOR .

EXPRESSION\_BINARY\_OPERATOR -> STATEMENT\_EXPRESSION BINARY\_OPERATOR STATEMENT\_EXPRESSION .

EPSILON ->

LL – tabulka

Graphical user interface, application

Popis byl vytvořen automaticky