**Use case:** Function Call

**Primary actor:** computer

**Goal in context:** Executing afunction using the values in the specified parameters.

**Preconditions:** code has been successfully parsed by the computer, and main body of programming is been executed.

**Post Condition:** Function END token has been encountered.

**Trigger:** Token of function Identifier is encountered and function event is triggered.

**Scenario:**

|  |  |
| --- | --- |
|  | 1. Tokens starting from the open parenthesis to a closed parenthesis are passed to the event |
|  | 1. The numbers of tokens between the parenthesis are compared to the parameter list. |
|  | 1. A BEGIN token is encounter in the function. |
|  | 1. Each statement after the begin token is executed. |
|  | 1. When the return Token is encountered the function event terminates. |
|  | 1. An integer value is returned. |

**Exceptions:**

1. If the paraphrases are missing than an syntax error is displayed. “Missing parenthesis. Line # x”
2. If the number of token in the function call don’t match the declaration than the computer stops and a syntax error is displayed. “Incorrect # of parameters. Line # x”
3. If a begin token is not encountered than the program terminates and a syntax error is displayed. “Missing begin token in function line # X”
4. If ”end” token is encountered before “return” token program terminates and syntax error message is displayed “Missing return token in function line # X”
5. If none integer value is retuned example “string” than program terminates and syntax error message is displayed “Missing return return integer value in function line # X”

**Priority:**

**When available:**

**Frequency of use:**

**Channel to actor:**

**Secondary actors:**

**Channels to secondary actors:**

**Open issues:**

1.