**Use case:** Parse the program

**Primary actor:** computer

**Goal in context:** SIL file will be parse line by line to collect and analyzed each token as needed.

**Preconditions:** SIL file is load and run.

**Post Condition:** Entire file is successfully parsed.

**Trigger:** User clicks on run

**Scenario:**

|  |  |
| --- | --- |
|  | 1. File is open using STL file reader |
|  | 1. First line is parsed using space as a delimiter. Each token is stored in an index of an array of string. |
|  | 1. Each token is stored in an index of an array of strings. |
|  | 1. The first token is compared against a hash table of REVERED words. |
|  | 1. An event is created and the parameters, type and line number of the event are stored. |
|  | 1. Step 4 to 10 are repeated for each line number. |

**Exceptions:**

|  |  |
| --- | --- |
|  | 8. If token is not a REVERED word than exception is created. |
|  |  |

**Priority:**

**When available:**

**Frequency of use:**

**Channel to actor:**

**Secondary actors:**

**Channels to secondary actors:**

**Open issues:**

1.