**Component: Task Manger**

**Module Name: Translator**

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| --- | --- | --- |
| Inputs | Process | Outputs |
| Language | The English word is translated to the language the user wants. | Translated word in chosen language |
| Word |  |
|  |  |

**Inputs:**

**Language:**

The Language the user wants to translate by English word inputted

**Word:**

A word in English from given test cases that will be translated into the language inputted.

**Process Description**

The English word inputted is translated into the Language it was chosen to be translated to. It looks up the translation from the specific language text file through the text broker and returns the translation of the corresponding English word if found. If not found it goes into the error file.

**Outputs**

Specific Language Translation of English word

**APIs/Objects:**

**\*Needs changes**

**Pseudocode:**

\*Available Languages TextFile<- args[1] Lanaguge user puts <- args[0]

Define string chosenLanguage from args[0]

Define string text file from args[1]

Process textbroker file to look up which Language the user would want to translate to

If the string made from args[0] does not match with any of the available Language text file

Process firstProc executes a message file with 805 message

Waits for firstProc termination

Else

ScanFile of the Selected Language text file

While readine

scan every line and split each line according to “, “

String word will contain the translation language (word we want to look up)

String translatedWord will contain translation word in wanted language

If string word is not found in file

Process secondProc executes error message in Language with argument 813

Waits for secondProc termination

Else

Return translated word