

IPO Chart

Component: Task Manager

Module Name: Translator(.txt)

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Inputs	Process	Outputs
Language	Takes English word and translates into the word in the language specified	Translated Word
Word		

Inputs:

Language – a language that the user wants to translate the English word will be a language code.

Word – An English word that will be translated into that specific language

Process Description

It takes English word and translates into that specific language and looks up the translation table and opens that file of code . English word is looked up in that file and returned.

Outputs

Translated Word -- translate English word in that specific language.

APIs/Objects:

Pseudocode:

Define string para into argument array[0]

Define string language into argument array[1]

Split string para into 2 substrings

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

String word will contain a word that needs to be translated (The word we want to look up)

Process runs textbroker file to look up what language is being inputted

Set Output to String language

Translator.java input (Language,

Checks table to see if inputted String contains "error"

Process Proc2 executes message.jar file with "805" string

Waits for proc2 termination

Proc2 runTime gets put into InputStream and ErrorStream

Abstract Byte output we get from will translate the string into byte

System prints y2

Parse input to lowercase with commas

Process proc2 executes message.jar file with argument "813"

Waits for proc2 termination

Abstract Byte output we get from will translate the string into byte

System prints y2