

IPO Chart

Component: Utility Manager

Module Name: Messages

Author: Tracey Burruss, Sydney Nguyen

Reviewers:

Inputs	Process	Outputs
Integer error code	Finds the error code and outputs the error message corresponding to the code	String error message

Inputs:

error code: returned error code

Process Description:

The program searches through a file to find the message that the integer code corresponds to. It returns this message.

Outputs:

Error message in the corresponding language

APIs/Objects:

File

Locale

Scanner

Pseudocode:

Main method:

1. If arguments exist then convert the first argument into an integer and assign it to errorCode
2. Call getMessage with errorCode as the parameter and print it

getMessage function with errorCode as parameter:

1. Create instance of Properties class and assign it to props
2. Get default language of the system and assign it to lang
3. Load properties file and assign it to input
4. Load input stream into props
5. Get file name from props and use the language and assign it to fileName
6. Open file
7. Loop through each line of the file using scanner
 - a. Split into two parts, convert the first part into an integer and assign it to code
 - b. If code equals errorCode then return the second part which is message
8. Close scanner
9. Catch errors, print stack trace
10. Return error at the end