IPO Chart

Component: Utility Services

Module Name: Error

Author: Mia Park
Reviewers: Team 15, Bob Dahlberg

Inputs	Process	Outputs
Error_Code Language	1. Input from the Application Service Broker is checked for incorrect input. 2. SB will be called with language.txt file and error_code.	Error_Message

Inputs:
- Error_Code
- Language

Process Description:
1. Input from the Application Service Broker is checked for incorrect input.
2. SB will be called with language.txt file and error_code.

Outputs:
- Error_Message

APIs/Objects:
- Service Broker
- Text Broker

Pseudocode:
```
/********************************************************************************
 *      Error Test Class
 ********************************************************************************
 * Function:
 *      Tests the functionality of the Error Class
 *-----------------------------------------------------------------------------
 *
 *      @author  Mia Park
 *      @version 04/19/2022   CMCS 355
 ********************************************************************************/

{ //Start Main
```

IPO Chart

```
/*--------------------------------------------------------------------------------
*      argsArray - String[] that holds string arguments passed at runtime
*     language - String that holds passed language
*     code - int that holds passed error code
*     filer - String that holds the language.txt file
*     set - String that combines TB + filer + code
*      pb - Process builder that calls SB
*     reader - var that reads from pb
*      line - String that stores each line read from pb
*--------------------------------------------------------------------------------*/
String[] argsArray = args[0].split(",");          // Arguments passed at runtime
String language = "";                              // Passed language
int code = 404;                                    // Error code
String filer = "msgEng.txt";                       // Language file
String set = ""                                    // Parameter formatter
Process pb;                                         // Process Builder that calls SB
var reader;                                         // Reads from Process Builder
String line = ""                                    // Printed line from reader
/*--------------------------------------------------------------------------------
* @code
* Parse program arguments and store in argsArray
* IF (argsArray.length == 1)
*     Parse argsArray[0] into int and store in code
* END IF
* ELSE IF (argsArray.length == 2)
*      Set language = argsArray[0].substring(0,3)
*      Parse argsArray[1] into int and store in code
*      Set filer = "msg" + language + ".txt"
* END ELSE
* Set set = "TB" + filer + code
* Set pb = ProcessBuilder("java", "src/modules/SB.java", set)
* TRY (set reader = BufferedReader(InputStreamReader(pb.getInputStream)))
*      WHILE ((line = reader.readLine) != NULL)
*       Print line
*     END WHILE
* END TRY
*--------------------------------------------------------------------------------*//End Main }
```