IPO Chart

Component: Utility Services

Module Name: Error

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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 Class
 **********************************************************************************
 * Function:
 *      Based on incorrect input, outputs error message.
 *-------------------------------------------------------------------------------------
 *
 *      @author Mia Park
 *      @version 04/14/2022   CMCS 355
**********************************************************************************/
```

IPO Chart

```
{ //Start Main
  /*-----------------------------------------------------------------------------
  *      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 }
```