**DOCUMENT NAME**

The bug document name format: BugFix-*Name of Application*-*Date-BugNum*.doc

* BugFix - the prefix to the bug document name.
* *Name of Application* – acronym for the application (e.g., “GALE”).
* *Date* – The date of the bug fix.
* *BugNum* – The number of the fix for that date (numeric, e.g., 013117-1)

**Application / Version / Build Number**

Gale

**Submitter**

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**Date Seen**

03/11/2017

**Date Fixed**

03/27/2017

**Versions**

Operating system version: Win 10

**Bug Description**

If we input some wrong information during the interview, the program will not give any suggestions to help us input correctly.

**Severity**

Minor

**Steps to Reproduce**

1. Start the program, click “Gale” and “Start Gale”
2. Input wrong name (e.g. Bob tom) and the question will come out again without any suggestion, or input anything but “yes”, the program will recognize it as “No”

**Actual Behavior**

If we input something incorrectly, the program will execute the default part of runCurrentNode (GaleAII->Reactive->Reactive), which will execute this function again. Or when we answer questions whose answers are “Yes” or “No”, if what we input is not “Yes”, it will be recognized as “No”.

**Expected Behavior**

The program will give some suggestions if we input something wrong.

**Workaround**

No

**CODE FIX**

1. Go to GaleAII-> Reactive -> Reactive, add class which extends the Exception as specific Exception class, the definition is described as follow:

class WrongAnswerException extends Exception{

private String message;

WrongAnswerException(String message){

super(message);

}

}

1. Go to GaleAII-> Reactive -> Reactive -> runCurrentNode (), make changes starts at “switch”:

switch (listeningType) {

case "BINARY":

try{

if (userResponse.getFullSentence().toUpperCase().equals("YES")) {

nodeAnswer = "YES";

decesionAnswer = "YES";

} else if(userResponse.getFullSentence().toUpperCase().equals("NO")){

nodeAnswer = "NO";

decesionAnswer = "NO";

}else

throw new WrongAnswerException("The answer is wrong");

}catch (WrongAnswerException wae) {

JOptionPane.showMessageDialog(null, "Please input \"Yes\" or \"No\"", "Input Error", JOptionPane.ERROR\_MESSAGE);

runCurrentNode();

}

break;

case "BOOLEAN":

try{

if (userResponse.getFullSentence().toUpperCase().equals("YES")) {

nodeAnswer = "YES";

decesionAnswer = "FOUND";

} else if(userResponse.getFullSentence().toUpperCase().equals("NO")){

nodeAnswer = "NO";

decesionAnswer = "FOUND";

}else

throw new WrongAnswerException("The answer is wrong");

}catch (WrongAnswerException wae){

JOptionPane.showMessageDialog(null, "Please input \"Yes\" or \"No\"", "Input Error", JOptionPane.ERROR\_MESSAGE);

runCurrentNode();

}

break;

case "ANSWER":

nodeAnswer = userResponse.getFullSentence();

decesionAnswer = userResponse.getFullSentence();

break;

default:

try {

nodeAnswer = userResponse.mentions(listeningType).get(0);

found = (nodeAnswer != null);

if (found) {

decesionAnswer = "FOUND";

} else {

runCurrentNode();

}

} catch (IndexOutOfBoundsException e) {

System.out.println("Catch the IndexOutOfBoundsException in Reactive");

switch (question){

case "What is your family members name?":

JOptionPane.showMessageDialog(null, "The first character should be capital", "Input Error", JOptionPane.ERROR\_MESSAGE);

break;

case "What is your relation to them?":

JOptionPane.showMessageDialog(null, "Only support \nMother\n" +

"Father\n" +

"Sister\n" +

"Brother\n" +

"Grandmother\n" +

"Maternal Grandmother\n" +

"Paternal Grandmother\n" +

"Maternal Grandfather\n" +

"Paternal Grandfather\n" +

"Grandfather\n" +

"Cousin\n" +

"Uncle\n" +

"Aunt", "Input Error", JOptionPane.ERROR\_MESSAGE);

break;

case "What Major disorders do they have?":

JOptionPane.showMessageDialog(null, "The disorder you input cannot be recognised, please try another one", "Input Error", JOptionPane.ERROR\_MESSAGE);

break;

case "What specific disorders do they have?":

JOptionPane.showMessageDialog(null, "The disorder you input cannot be recognised, please try another one", "Input Error", JOptionPane.ERROR\_MESSAGE);

break;

}

runCurrentNode();

}

break;

}