**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**

2/12/2017

**Date Fixed**

2/12/2017

**Versions**

Operating system version: Win 10

**Bug Description**

When start the program, we should input something, but the original program can only recognize the “Family Interview”. If something is wrong, it will show nothing and without any response but a null pointer exception.

**Severity**

Minor

**Steps to Reproduce**

1. Start the program, click “Gale” and “Start Gale”
2. Input anything but not “Family Interview”, you won’t get any response and the console will show a NullPointerException

**Actual Behavior**

If we input something wrong, then the program will show nothing and don’t take any action. In the console, it will show a NullPointerException.

**Expected Behavior**

Type what you expected to happen when you followed the instructions.

This time, as long as you input the “Family Interview” in any format, the program will run successfully, other input will show an prompt that your input is wrong, please input again.

**Workaround**

Not yet.

**CODE FIX**

1. Go to GUI-> healthCareAIFullMDParent, change the original code to the following code in “startGaleMenuItemActionPerformed” function:

private void startGaleMenuItemActionPerformed(java.awt.event.ActionEvent evt) {

Core coreEvent = new Core(gale.getClusterByName("Root"), gale, history);

Thread coreThread=new Thread(coreEvent);

coreThread.setUncaughtExceptionHandler(new Thread.UncaughtExceptionHandler() {

@Override

public void uncaughtException(Thread t, Throwable e) {

JOptionPane.showMessageDialog(null, "Please check and input again", "Wrong Input", JOptionPane.ERROR\_MESSAGE);

System.out.println("catch exception");

}

});

coreThread.start();

}

1. Go to GaleAII-> Datastructure-> Cluster, Add a “toUpperCase()” to ignore all the spelling mistakes about upper and lower character in getDecisionFromAnswer() function, the codes are showed as following:

public Decision getDecisionFromAnswer(String Answer){

Decision correctDecision = null;

for (Decision decision : currentNode.getDecisions()) {

if (Answer.toUpperCase().equals(decision.getAnswer().toUpperCase())) {

correctDecision = decision;

}

}

return correctDecision;

}