

INN370 Software Development Assignment 2

Test-Driven Development and Graphical User Interface Programming

Part 2: GUI Development

Semester 1, 2014

GUI testing

N8818452

CHAUN LI

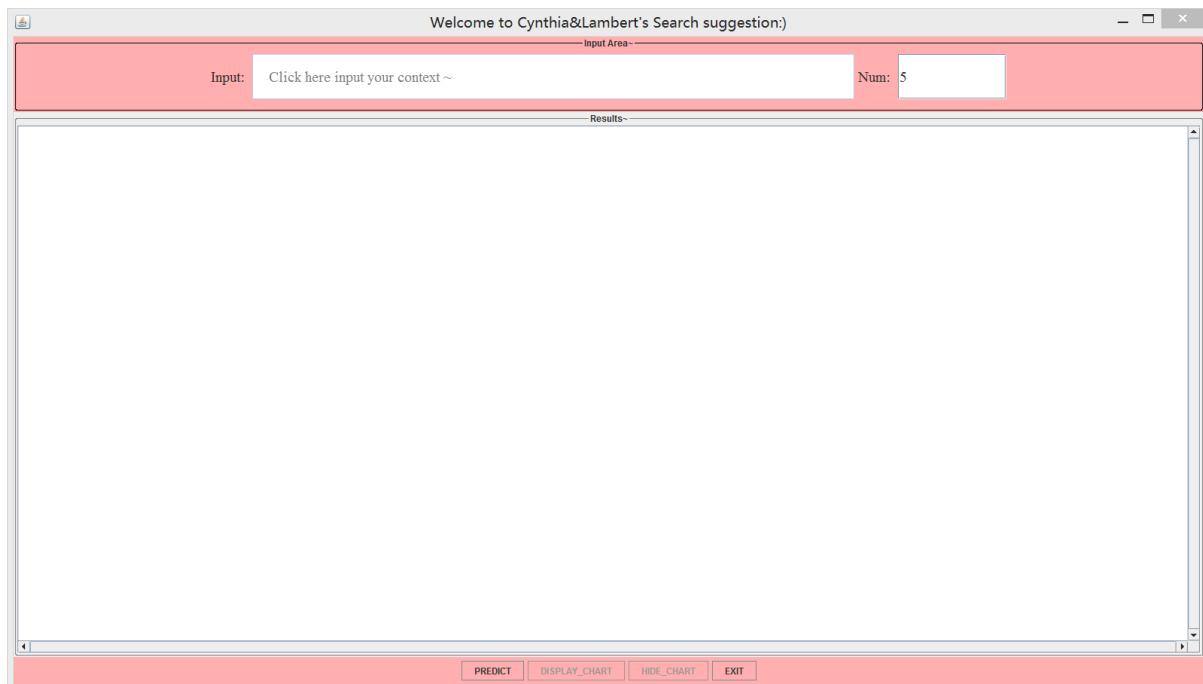
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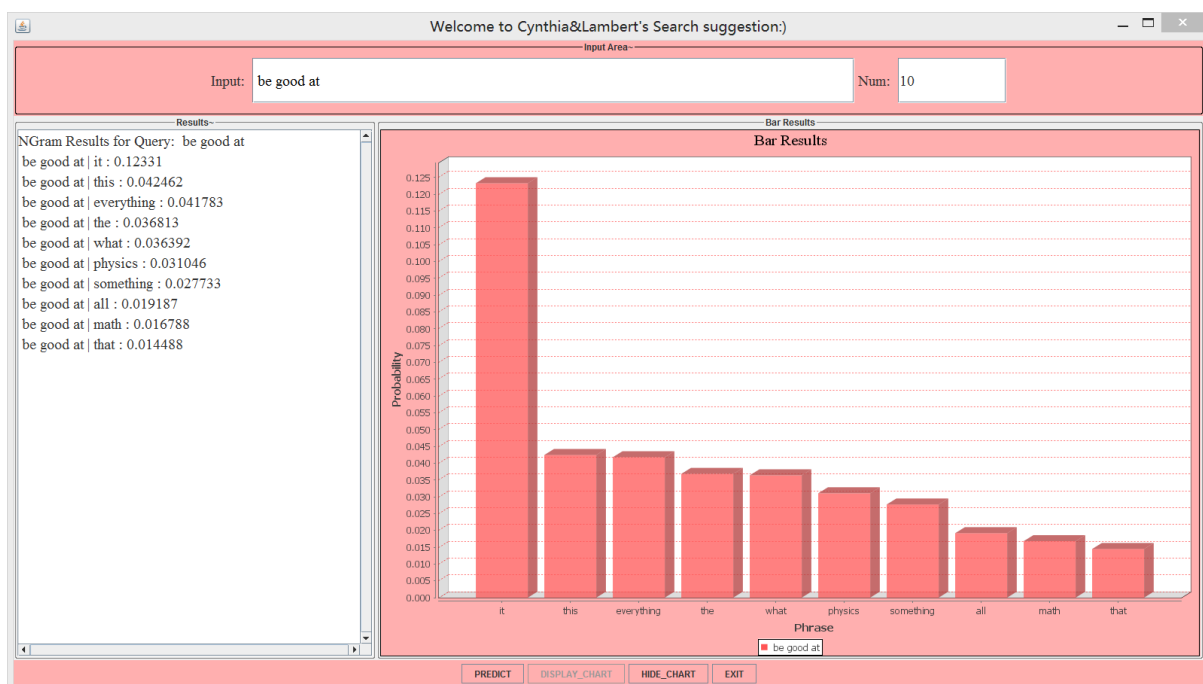
This test will include:

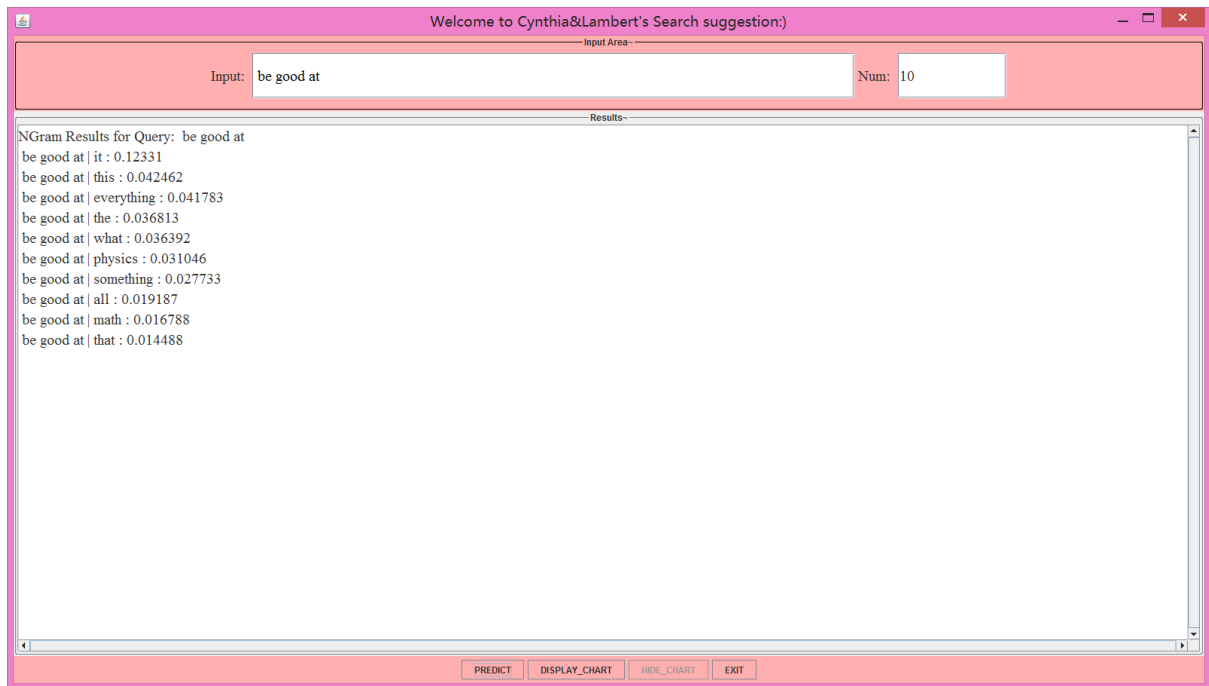
1. Good ordinary examples
2. Single phrases
3. Multiple phrases
4. Invalid phrase input
5. Valid input but no result
6. Capital and small letter

Good ordinary examples:



[Initial state: Display screen blank; Graphical display unavailable; query unspecified and number of predictions is unspecified or at a default setting; four buttons (predict, display_chart, hide_chart , exit) in the below]

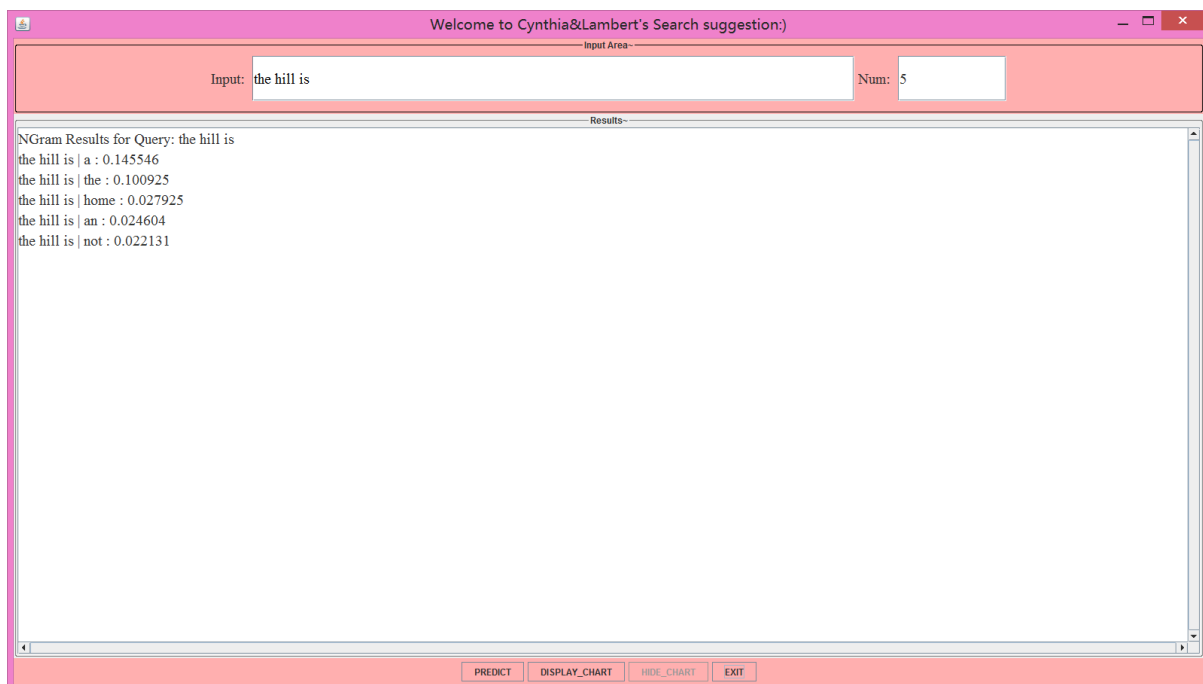
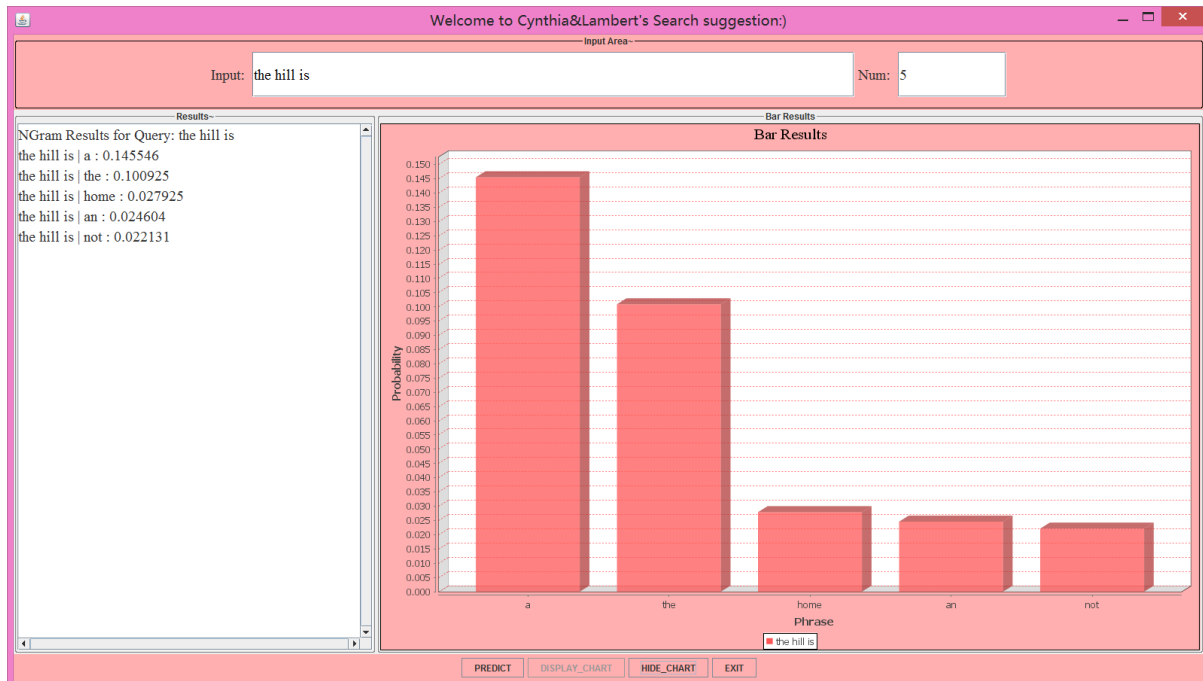




1. PAG to enter maximum predictions of 10, and phrases “be good at”
2. The system shows the current query and parameter values; No update has been performed to the text display; graphical display remains unavailable
3. PAG to execute the query
 4. The system text display shows the results from the service as requested, with 10 predictions for the phrases
[be good at | it : 0.12331
be good at | this : 0.042462
be good at | everything : 0.041783
be good at | the : 0.036813
be good at | what : 0.036392
be good at | physics : 0.031046
be good at | something : 0.027733
be good at | all : 0.019187
be good at | math : 0.016788
be good at | that : 0.014488].
- The graphical display is now available.
5. PAG to display or hide the graphical display
6. The system shows the graphical display, with bar charts for the phrases.

Single phrases

Single phrase



[Initial state: Display screen blank; Graphical display unavailable; query unspecified and number of predictions is unspecified or at a default setting; four buttons (predict, display_chart, hide_chart , exit) in the below]

1. PAG to enter maximum predictions of 5, and phrases "the hill is"
2. The system shows the current query and parameter values; No update has been performed to the text display; graphical display remains unavailable

3. PAG to execute the query

4. The system text display shows the results from the service as requested, with 5 predictions for the phrases

[the hill is | a :0.145546

the hill is | the : 0.100925

the hill is | home : 0.027925

the hill is | an : 0.024604

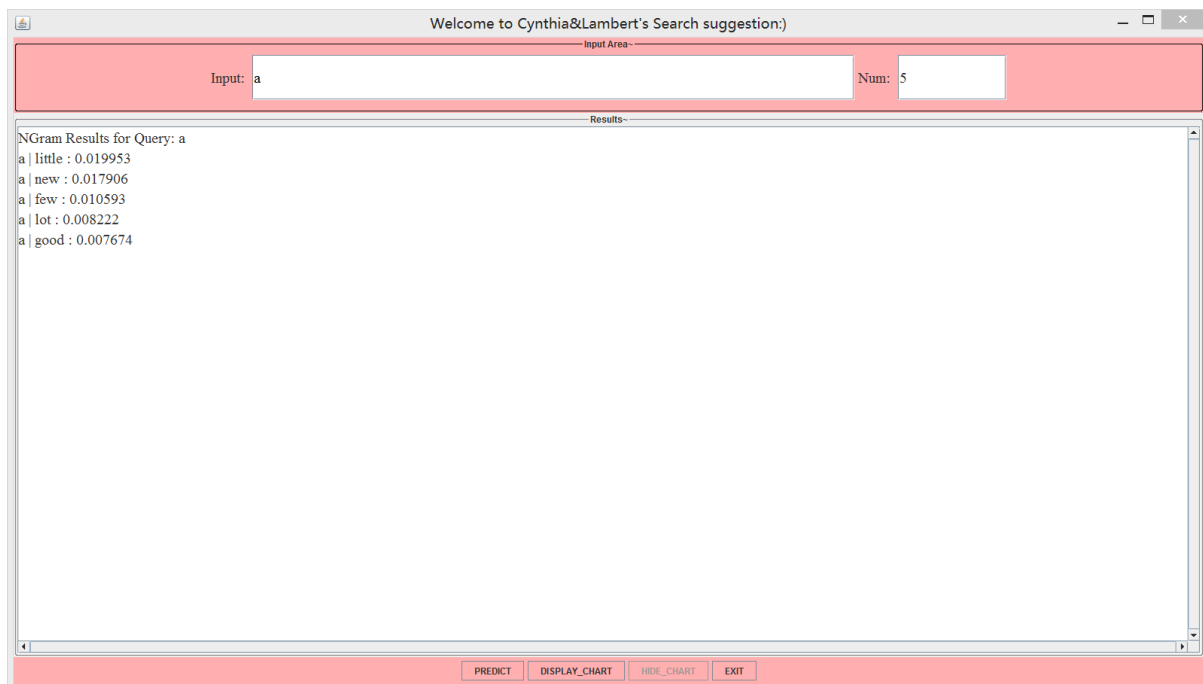
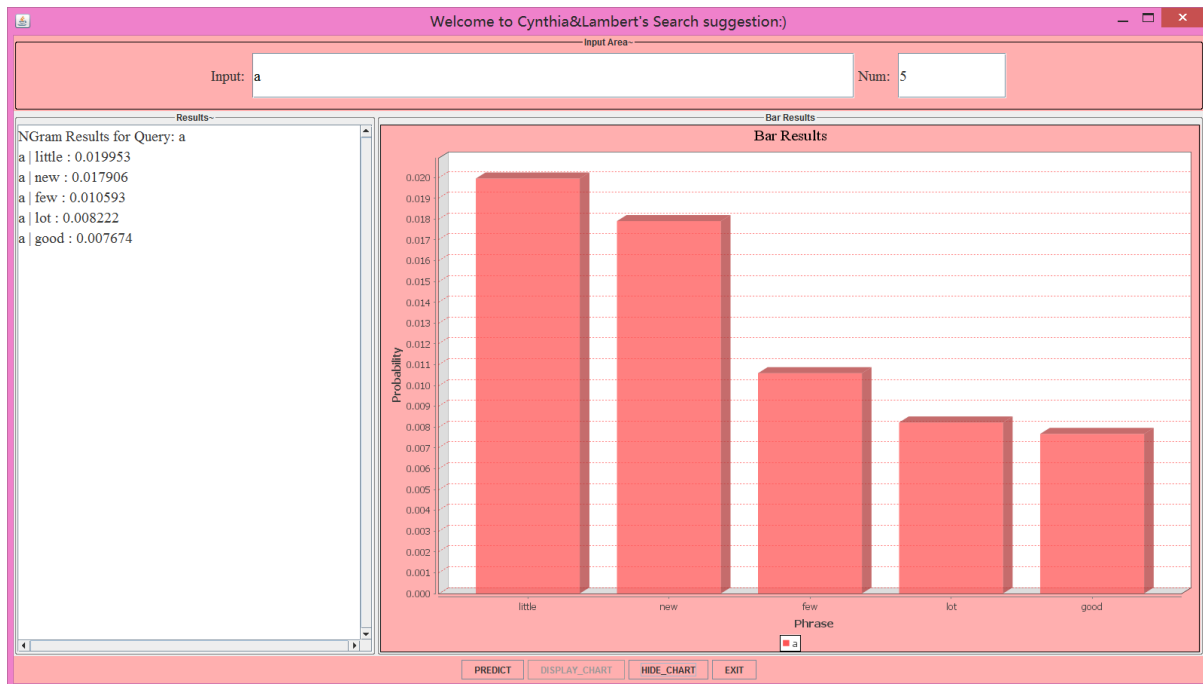
the hill is | not : 0.022131].

The graphical display is now available.

5. PAG to display or hide the graphical display

6. The system shows the graphical display, with bar charts for the phrases.

Single letter



[Initial state: Display screen blank; Graphical display unavailable; query unspecified and number of predictions is unspecified or at a default setting; four buttons (predict, display_chart, hide_chart , exit) in the below]

1. PAG to enter maximum predictions of 5, and phrases "a"
2. The system shows the current query and parameter values; No update has been performed to the text display; graphical display remains unavailable
3. PAG to execute the query
4. The system text display shows the results from the service as requested, with 5 predictions for the phrases

[a | little : 0.019953

a | new : 0.017906

a | few : 0.010593

a | lot : 0.008222

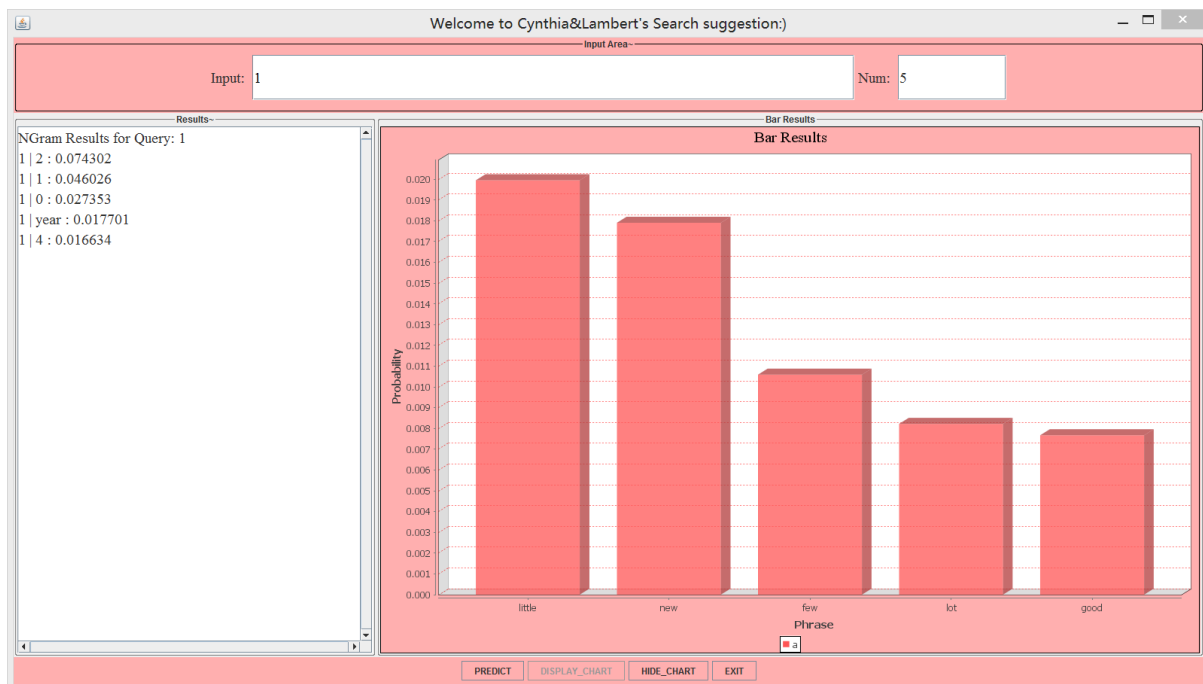
a | good : 0.007674].

The graphical display is now available.

5. PAG to display or hide the graphical display

6. The system shows the graphical display, with bar charts for the phrases.

Single number



[Initial state: Display screen blank; Graphical display unavailable; query unspecified and number of predictions is unspecified or at a default setting; four buttons (predict, display_chart, hide_chart , exit) in the below]

1. PAG to enter maximum predictions of 5, and phrases “1”
2. The system shows the current query and parameter values; No update has been performed to the text display; graphical display remains unavailable
3. PAG to execute the query
4. The system text display shows the results from the service as requested, with 5 predictions for the phrases

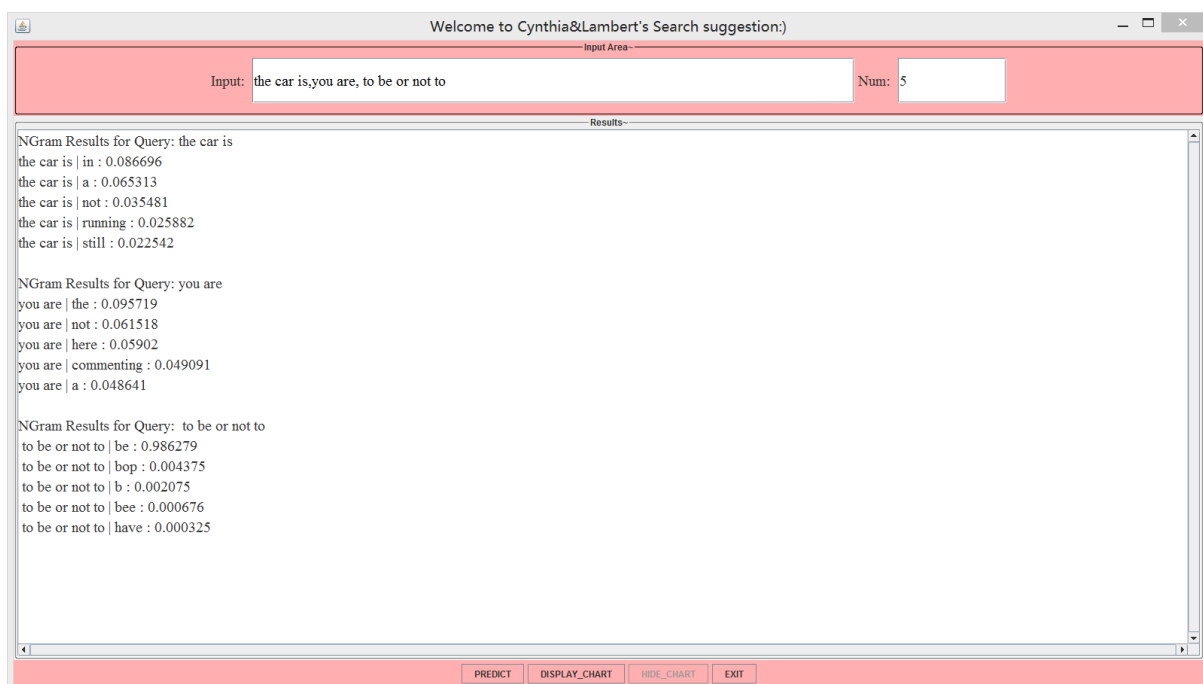
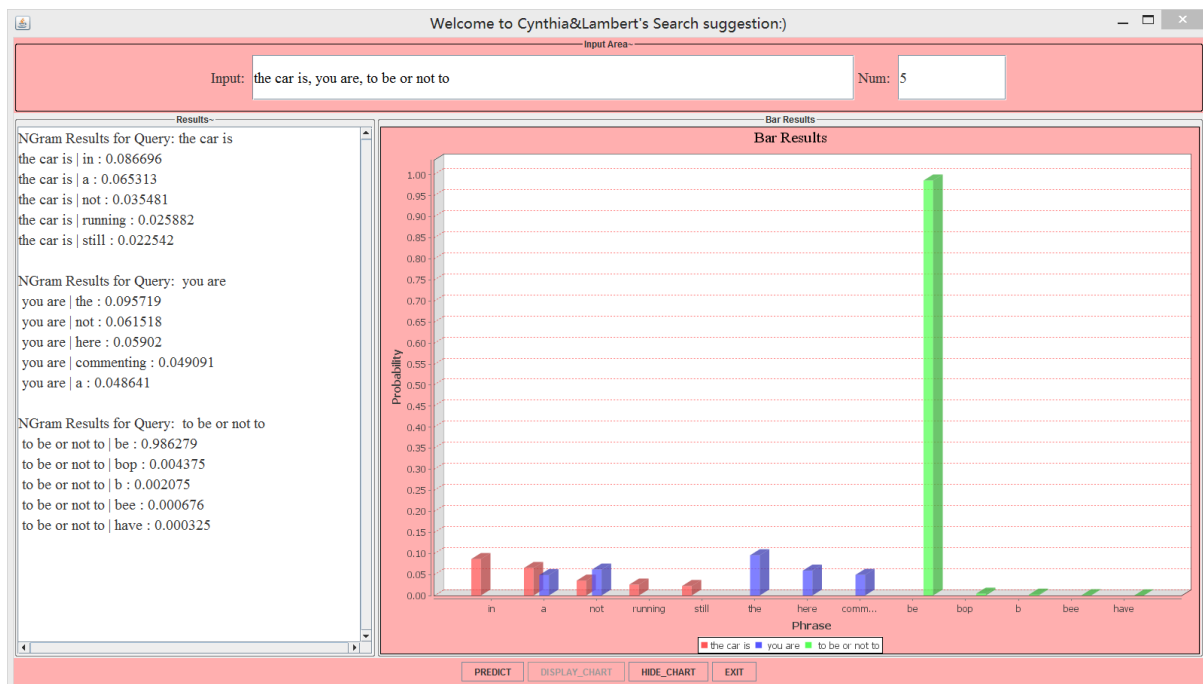
[1 | 2 : 0.074302
1 | 1 : 0.046026
1 | 0 : 0.027353
1 | year : 0.017701
1 | 4 : 0.016634].

The graphical display is now available.

5. PAG to display or hide the graphical display

6. The system shows the graphical display, with bar charts for the phrases.

Multiple phrases



[Initial state: Display screen blank; Graphical display unavailable; query unspecified and number of predictions is unspecified or at a default setting; four buttons (predict, display_chart, hide_chart , exit) in the below]

1. PAG to enter maximum predictions of 5, and phrases "the hill is" "you are" "to be or not to"
2. The system shows the current query and parameter values; No update has been performed to the text display; graphical display remains unavailable
3. PAG to execute the query
4. The system text display shows the results from the service as requested, with 5 predictions for each of

phrases

[the car is | in : 0.086696
the car is | a : 0.065313
the car is | not : 0.035481
the car is | running : 0.025882
the car is | still : 0.022542

NGram Results for Query: you are

you are | the : 0.095719
you are | not : 0.061518
you are | here : 0.05902
you are | commenting : 0.049091
you are | a : 0.048641

NGram Results for Query: to be or not to

to be or not to | be : 0.986279
to be or not to | bop : 0.004375
to be or not to | b : 0.002075
to be or not to | bee : 0.000676
to be or not to | have : 0.000325;].

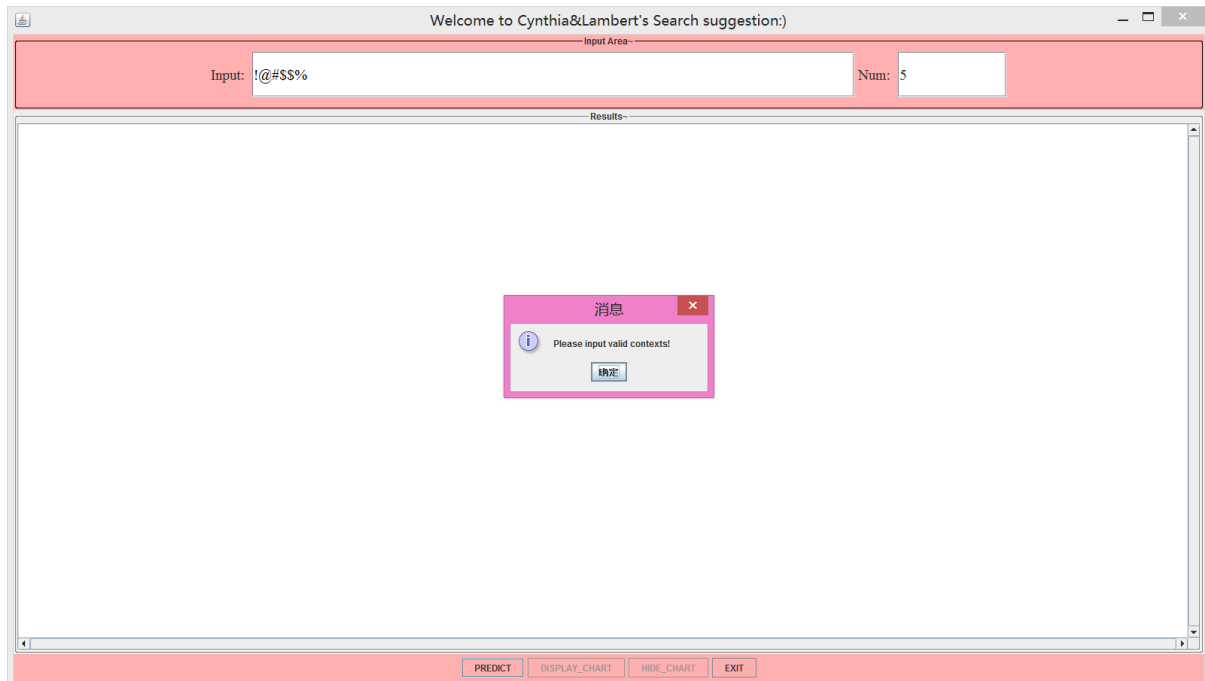
The graphical display is now available.

5. PAG to display or hide the graphical display

6. The system shows the graphical display, with bar charts for each phrase.

Invalid phrase input

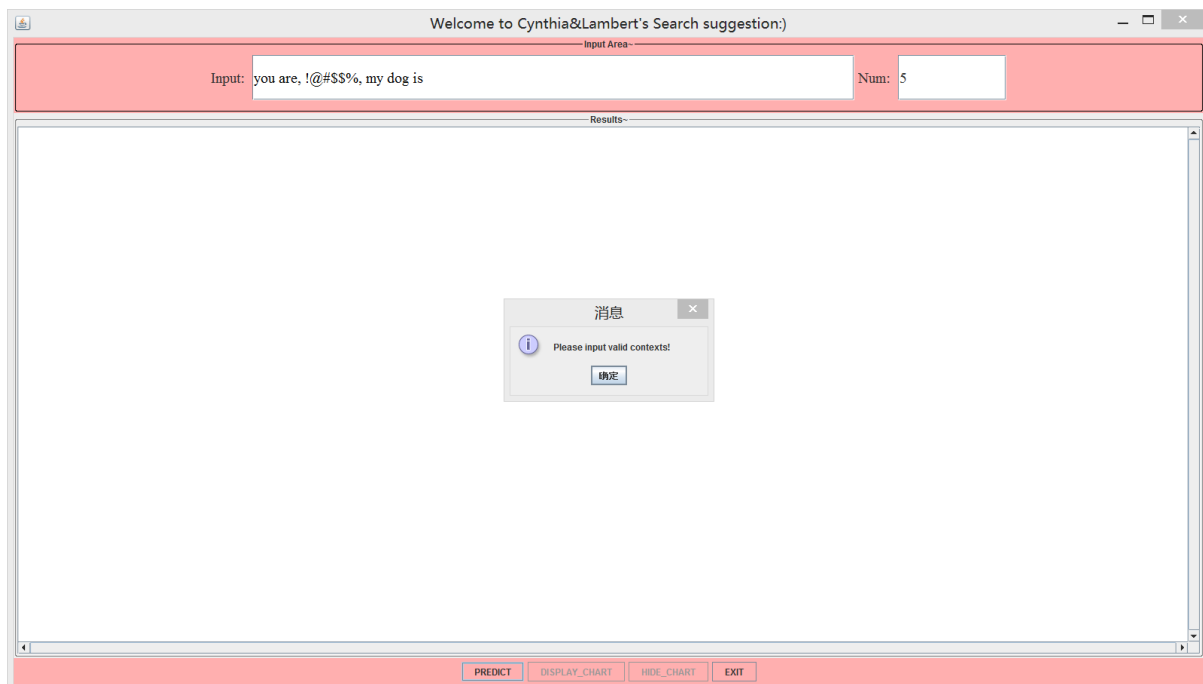
Invalid phrase input with invalid letters



[Initial state: Display screen blank; Graphical display unavailable; query unspecified and number of predictions is unspecified or at a default setting; four buttons (predict, display_chart, hide_chart , exit) in the below]

1. PAG to enter maximum predictions of 5, and phrases "!@#\$\$%".
2. The system shows the current query and parameter values; No update has been performed to the text display; graphical display remains unavailable
3. PAG to execute the query
4. The system shows an option window which tells users "please input valid contexts!" because the context include invalid letters like !@#\$\$%.

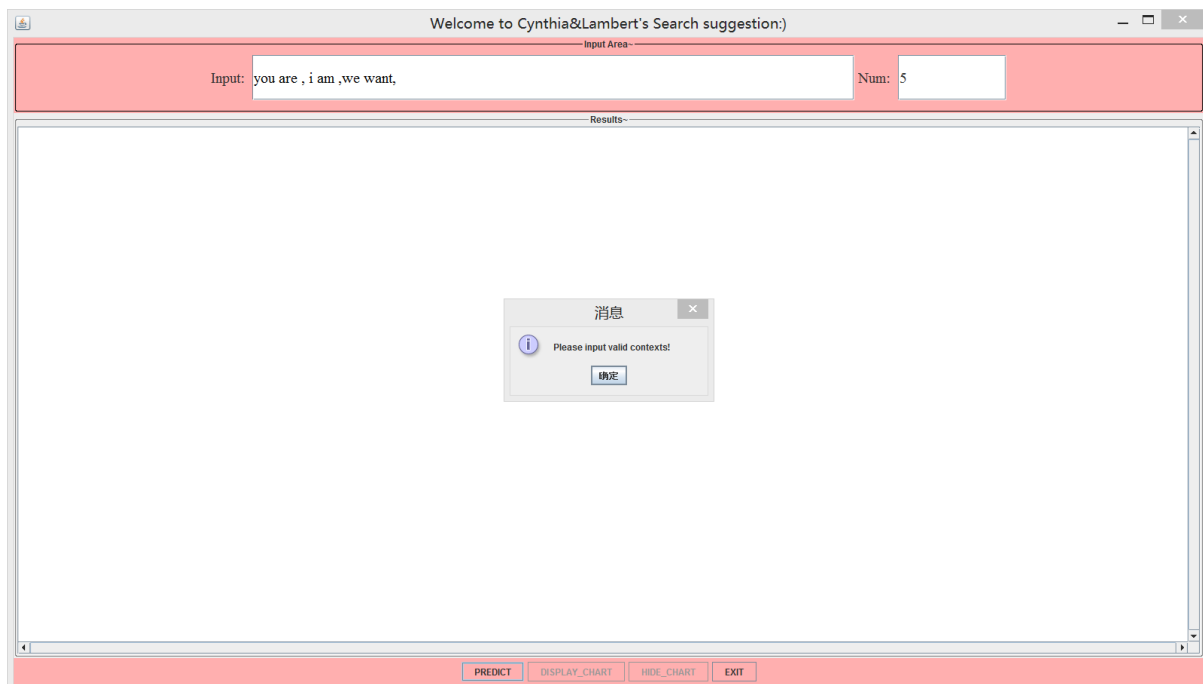
Invalid phrase input with invalid letters in multiple phrases



[Initial state: Display screen blank; Graphical display unavailable; query unspecified and number of predictions is unspecified or at a default setting; four buttons (predict, display_chart, hide_chart , exit) in the below]

1. PAG to enter maximum predictions of 5, and phrases "you are" "!@#\$\$\$%" "my dog is".
2. The system shows the current query and parameter values; No update has been performed to the text display; graphical display remains unavailable
3. PAG to execute the query
4. The system shows an option window which tells users "please input valid contexts!" because the context include invalid letters like !@#\$\$\$%.

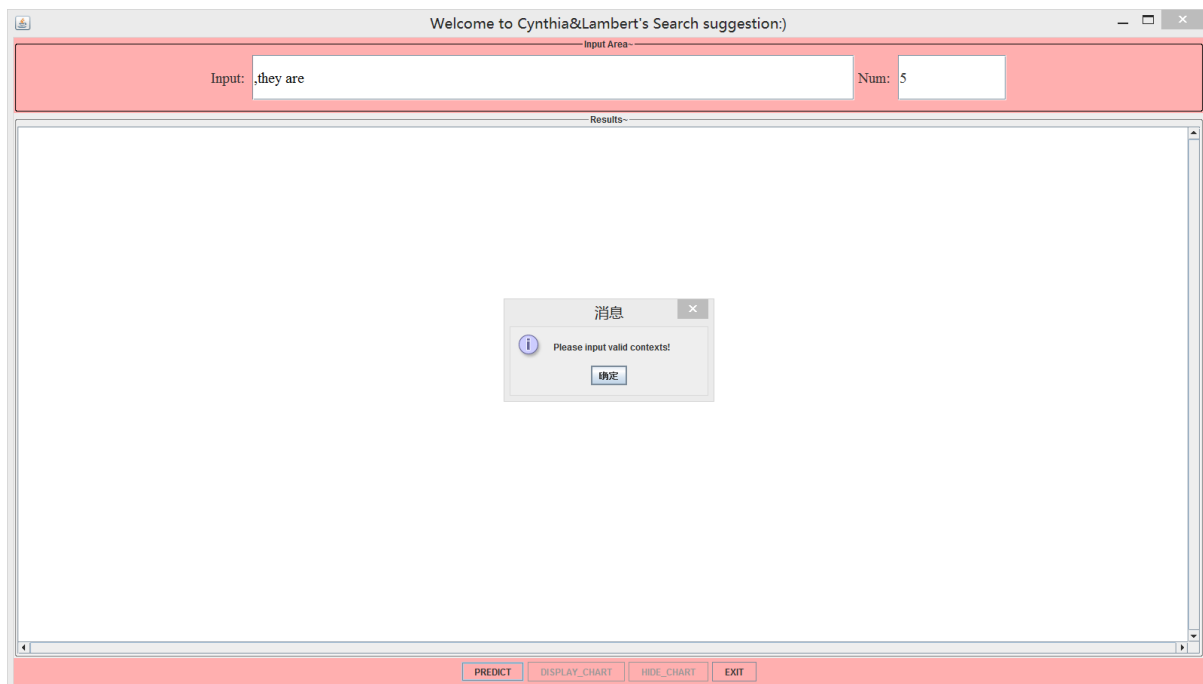
Invalid phrase input with the end of comma



[Initial state: Display screen blank; Graphical display unavailable; query unspecified and number of predictions is unspecified or at a default setting; four buttons (predict, display_chart, hide_chart , exit) in the below]

1. PAG to enter maximum predictions of 5, and phrases "you are" "I am" "we want".
2. The system shows the current query and parameter values; No update has been performed to the text display; graphical display remains unavailable
3. PAG to execute the query
4. The system shows an option window which tells users "please input valid contexts!" because comma should not be the end of input

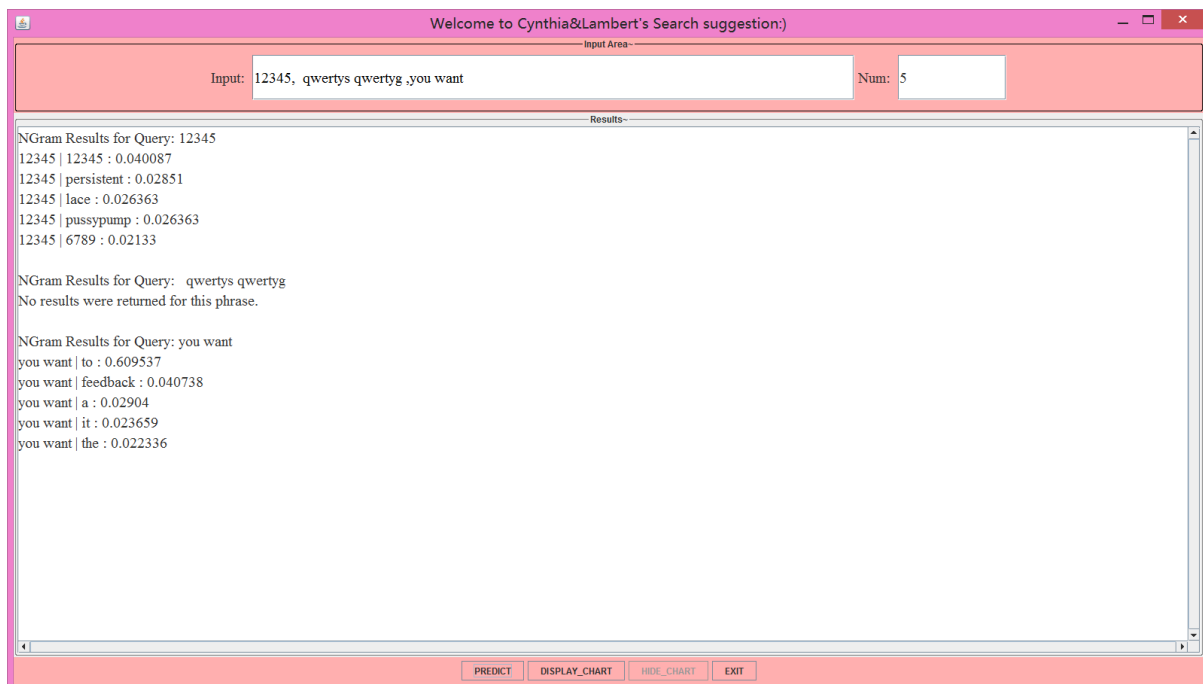
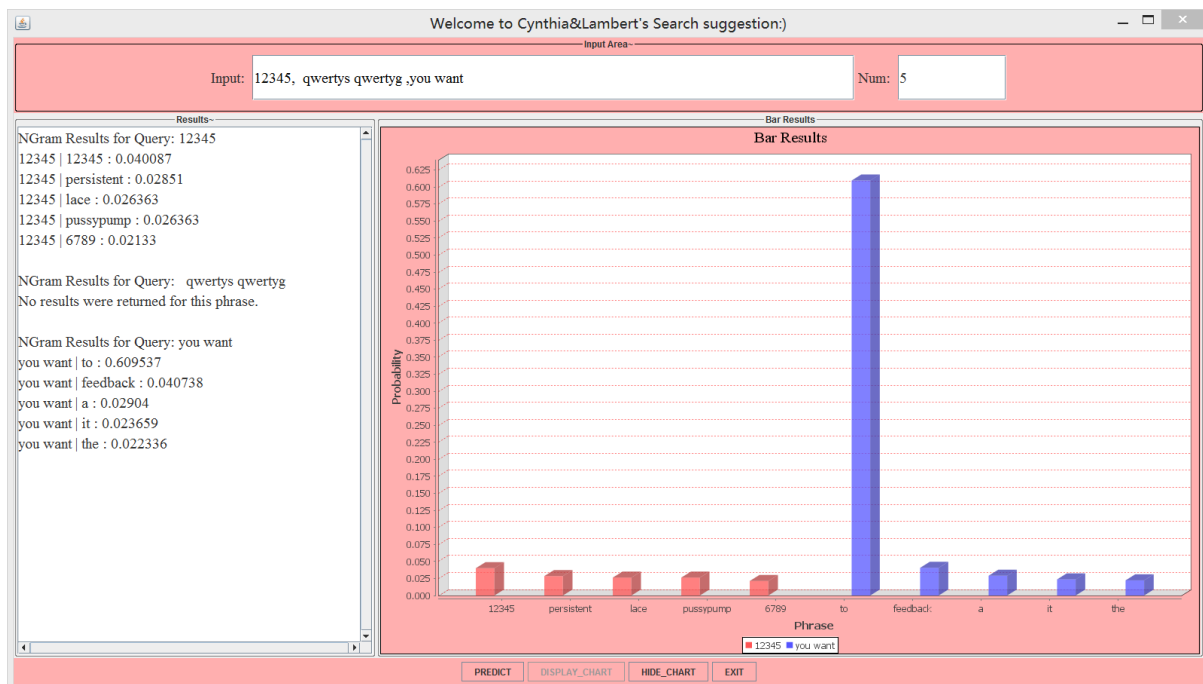
Invalid phrase input with the start of comma



[Initial state: Display screen blank; Graphical display unavailable; query unspecified and number of predictions is unspecified or at a default setting; four buttons (predict, display_chart, hide_chart , exit) in the below]

1. PAG to enter maximum predictions of 5, and phrases “ , they are”.
2. The system shows the current query and parameter values; No update has been performed to the text display; graphical display remains unavailable
3. PAG to execute the query
4. The system shows an option window which tells users “please input valid contexts!”. because comma should not be the start of input

Valid input but no result



[Initial state: Display screen blank; Graphical display unavailable; query unspecified and number of predictions is unspecified or at a default setting; four buttons (predict, display_chart, hide_chart , exit) in the below]

1. PAG to enter maximum predictions of 5, and phrases "12345" " qwertys qwertyg" "you want"
2. The system shows the current query and parameter values; No update has been performed to the text display; graphical display remains unavailable
3. PAG to execute the query
4. The system text display shows the results from the service as requested, with 5 predictions for each of

phrases one and three

[12345 | 12345 : 0.040087

12345 | persistent : 0.02851

12345 | lace : 0.026363

12345 | pussypump : 0.026363

12345 | 6789 : 0.02133 you want | to : 0.609537

you want | feedback : 0.040738

you want | a : 0.02904

you want | it : 0.023659

you want | the : 0.022336]

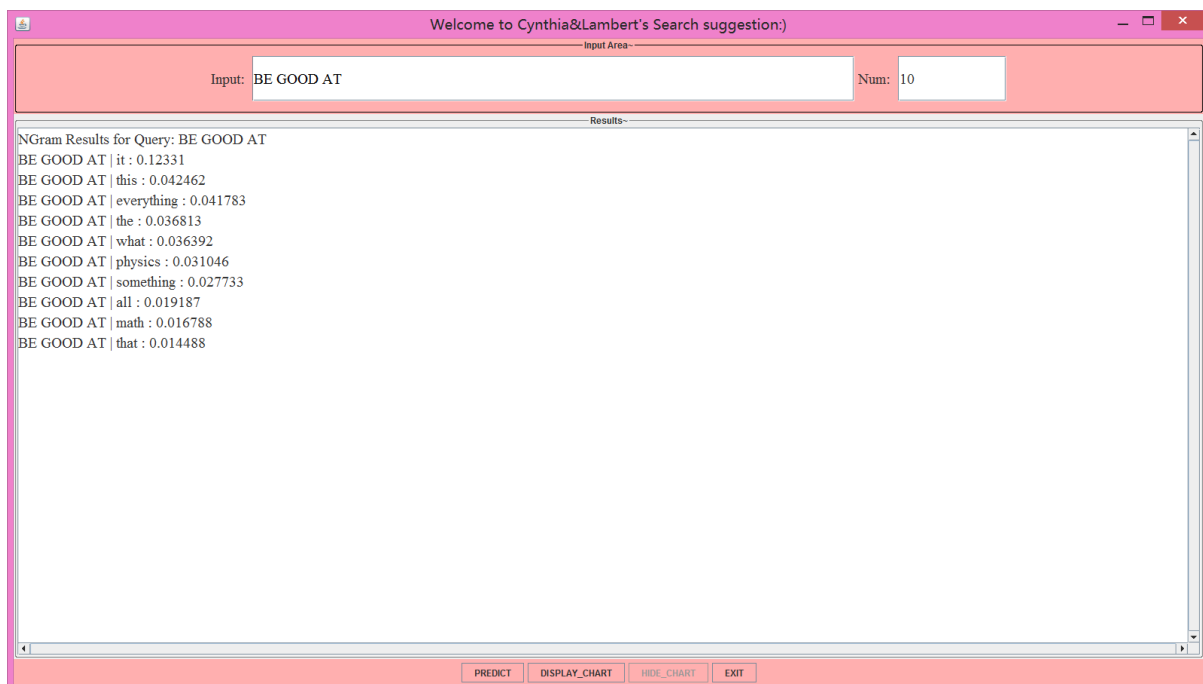
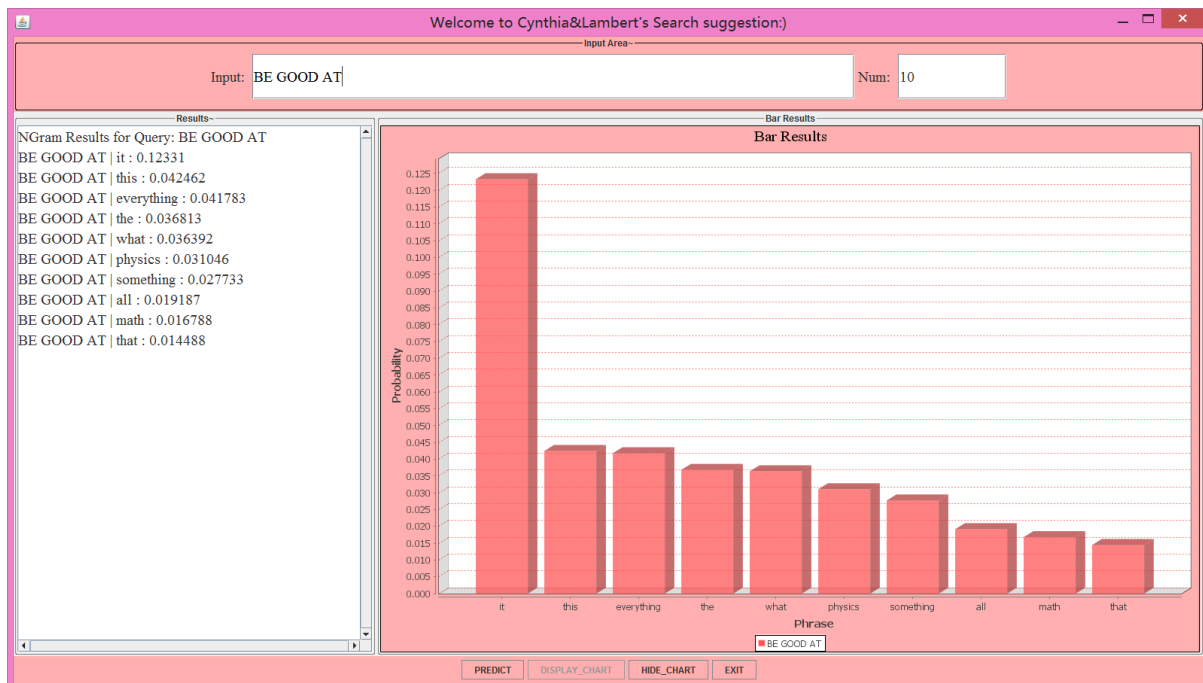
Error message for the second phrase which returns no results. The graphical display is now available.

5. PAG to display or hide the graphical display

6. The system shows the graphical display, with bar charts for phrases 1 and 3. there is no chart results for phrase 2.

Capital and small letter

All capital letter



1. PAG to enter maximum predictions of 10, and phrases "BE GOOD AT"
2. The system shows the current query and parameter values; No update has been performed to the text display; graphical display remains unavailable
3. PAG to execute the query
4. The system text display shows the results from the service as requested, with 10 predictions for the phrases

[BE GOOD AT | it : 0.12331

BE GOOD AT | this : 0.042462

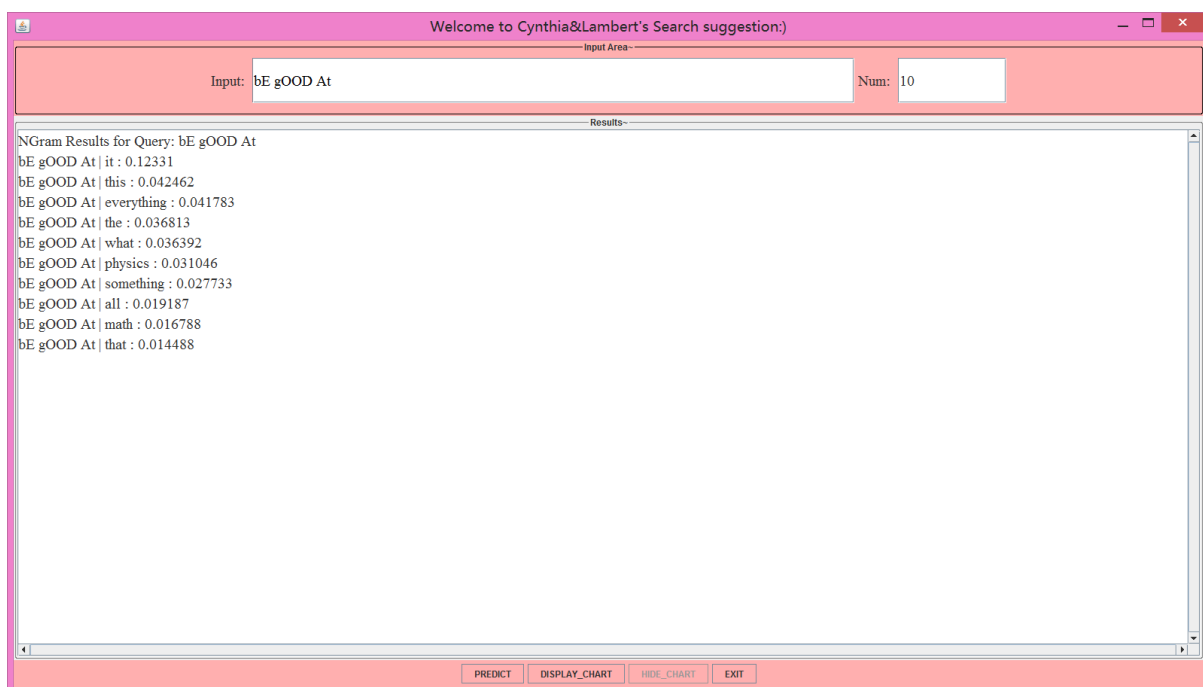
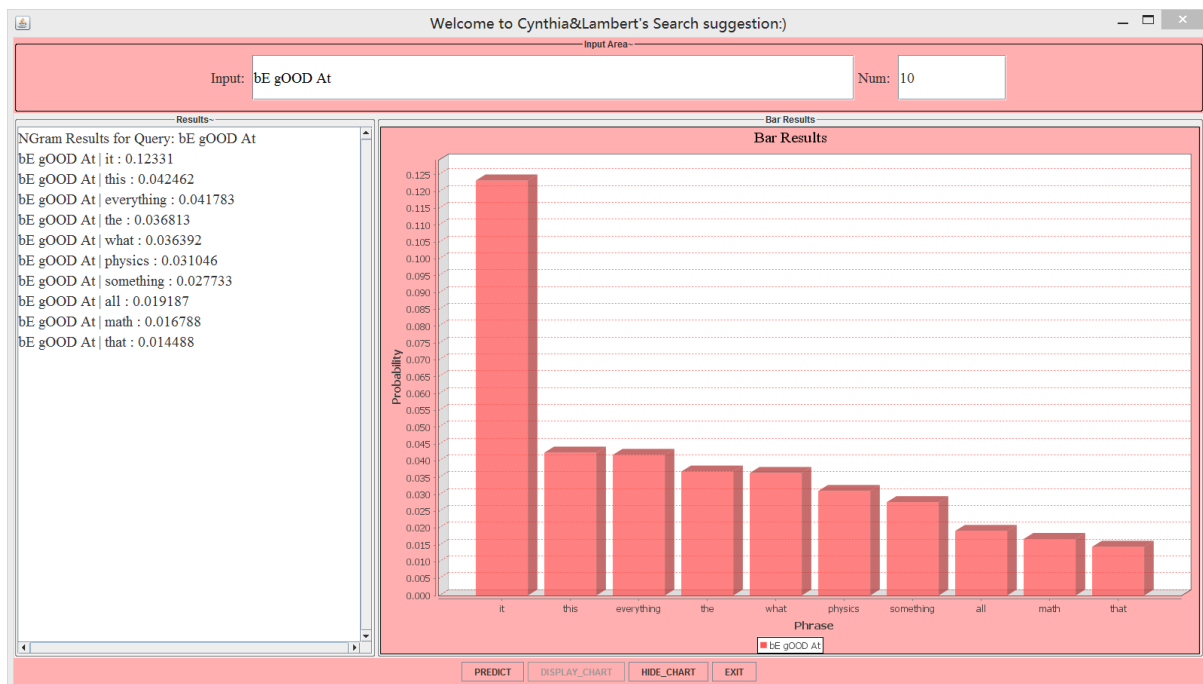
BE GOOD AT | everything : 0.041783
BE GOOD AT | the : 0.036813
BE GOOD AT | what : 0.036392
BE GOOD AT | physics : 0.031046
BE GOOD AT | something : 0.027733
BE GOOD AT | all : 0.019187
BE GOOD AT | math : 0.016788
BE GOOD AT | that : 0.014488].

The graphical display is now available.

5. PAG to display or hide the graphical display

6. The system shows the graphical display, with bar charts for the phrases.

Capital and small letter



1. PAG to enter maximum predictions of 10, and phrases "BE GOOD AT"
2. The system shows the current query and parameter values; No update has been performed to the text display; graphical display remains unavailable
3. PAG to execute the query
4. The system text display shows the results from the service as requested, with 10 predictions for the phrases

[bE gOOD At | it : 0.12331

bE gOOD At | this : 0.042462

bE gOOD At | everything : 0.041783

bE gOOD At | the : 0.036813
bE gOOD At | what : 0.036392
bE gOOD At | physics : 0.031046
bE gOOD At | something : 0.027733
bE gOOD At | all : 0.019187
bE gOOD At | math : 0.016788
bE gOOD At | that : 0.014488].

The graphical display is now available.

5. PAG to display or hide the graphical display

6. The system shows the graphical display, with bar charts for the phrases.