**GROUP ISSUE #2: ISSUE 909.**

**If I have a long name I am trying to autocomplete, this no longer is useful. Would it be possible to allow for one of the following:**

1. Allow the part already typed to not be included
2. ***Ellipsis the start not the end of the string***
3. Allow for the text displayed in the UI to not be the text updates what is selected

**From above as you can see, we selected the second option to fix this group issue here.**

**NOTE!: You need to pip install keyboard in order to run the code and tests properly.**

Test Procedure: After the prompt library is imported, there is an instance of my completer created.

Enter in text and keywords will begin to show up.

A screenshot of a computer

Description automatically generated with medium confidence

Now here’s where the test for 909 comes in. When autocompleting a **keyword** in the program in the terminal that is too long to display in the window, it will automatically display the last few characters of that keyword, alongside and ellipses at the start of the string there.

Below shows the keywords stored in PyCharm. With the first reeeeeallylong.word.test... keyword being too long to display normally.

A screenshot of a computer

Description automatically generated

Here is what it looks like when we try to search for this keyword.

A screen shot of a computer

Description automatically generated with medium confidence

And then entering in the desired keyword.

A screen shot of a computer

Description automatically generated with medium confidence

**NOTICE!: In order for this to work properly, the cmd prompt terminal needs to *NOT* be in fullscreen. It has to be a *smaller window size.* This is because our python-prompt-toolkit project code is all based on window sizes, so in order to get the really long names with the ellipses to show up, you need to have the windows resized down smaller.**

**Here’s what will happen in full screen in the above scenario’s case.**

A picture containing text, screenshot, software, font

Description automatically generated

Finally, here’s another case where the ellipses will not appear. When the keywords are not long, there is no ellipses necessary, and so therefore they show up normally. This is just like how the first screenshot shows the handling of these shorter keywords.

A screenshot of a computer

Description automatically generated

And that’s the test for issue 909 all clear!

How it worked: We edited the \_trim\_formatted\_text function in menus.py. Here, we simply changed the how the function iterates through the string. It starts at a point near the end with the count function and then starts appending the characters onto the ‘result’ variable near the end rather than right at the beginning of the string (count is set to 1, just one line up offscreen in the code). It then finally returns the result while *inserting* the ellipses(...) at the *start* of the result rather than *appending* the ellipses at the *end* of the result. With these two minor changes combined, the code will now auto complete the words in the correct way like so: [...LONG\_STRING\_HERE].

A screenshot of a computer

Description automatically generated

And that’s all for group issue 909!