Problem Statement:

Given a text paragraph or any paragraph taken by text file reading in Java, you have to find inflected words and print their root forms. You need to create one text area for showing (or entering) the paragraph. When you click on a certain button, another text area will show the inflected words along with their roots. You are not allowed to use any given libraries for this task. Simply take the stemmer project from a certain group of students (the one some of you developed last semester) and modify that by adding new rules or techniques. As an example, consider the following text.

"He was flying 10000 feet above. All passengers including him were enjoying the flight....."
Output may look like follows

flying -- > fly
Passengers --> Passenger ... and so on.

How this project works:

This project is all about stemming a given text. We will understand it's functioning below:

In the input text area, the user pastes the text input. When s/he clicks on the button, in the output area, all the words which are stemmable are being shown. It shows mostly accurate code, but due to less data training accuracy is not quite high.

My work:

I took the stemming project. Used the swing class from java in built libraries. Swing class is used mainly for making the GUI. I made two input areas and output areas using JTextArea, a button using JButton and two labels which indicate the work of each text area using JLabel. Also I did many hits and trials for adjusting the framing so that it looks good. Main work is done in finding the stem word.

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