Project 4 Code/Output Christopher Ringer, Milo Baker-Durante, Sol Ben-Ishay

We affirm that we have carried out the attached academic endeavours with full academic honesty by writing our names above

Python Project

Code:

Typing_Game_Python_Version.py

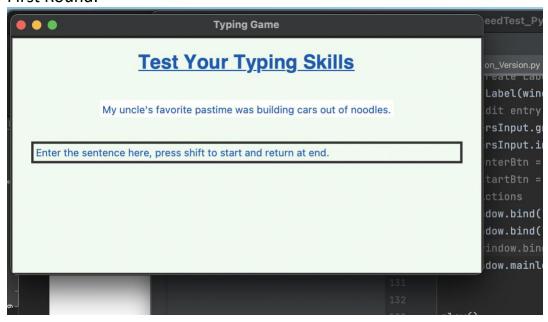
```
copy_this = ""
what typed = ""
end = 0
window = tk.Tk()
screen = tk.Canvas(window, width=600, height=300)
usersInput = tk.Entry(window, width=60, background='#EFFBEF', fg='#0059b3')
```

```
copy this = ""
    list sentences.append(stripped line)
usersInput.focus()
end = timer()
if len(what typed) > len(copy this):
    difference = len(what typed) - len(copy this)
for i, c in enumerate(what typed):
```

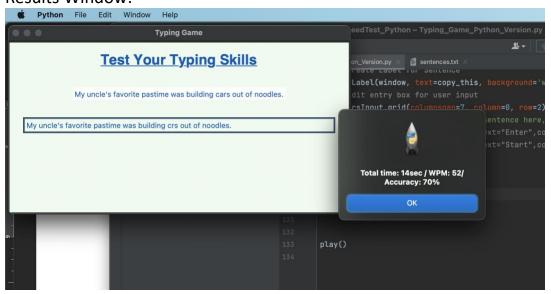
```
copy_this = get_sentences()
window.mainloop()
```

Output(Screenshots):

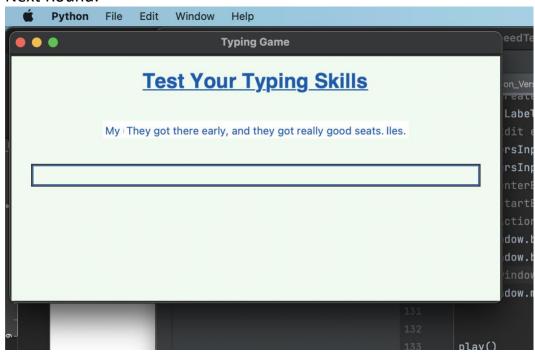
First Round:



Results Window:



Next Round:



Keeps repeating the above until exited

Java Project

Code:

TypingSpeedTest.java

```
package TypingSpeedTest;
import javax.swing.*;
import java.awt.*;
import java.io.FileInputStream;
import java.io.FileNotFoundException;
import java.io.IOException;
import java.text.DecimalFormat;
import java.util.ArrayList;
import java.util.Random;
import java.util.Scanner;
```

```
public class TypingSpeedTest {
   final private JTextField userInput;
   public TypingSpeedTest() {
       frame = new JFrame();
       frame.setBounds(250, 250, 650, 350);
       frame.setDefaultCloseOperation(JFrame.EXIT ON CLOSE);
```

```
enterBtn.addActionListener(e -> {
    getPerformanceStats(); // Calculate the performance stats
```

```
JOptionPane.showMessageDialog(null, "ROUND OVER!" + "\n" + "Time:
      resetGame();
  startBtn.addActionListener(e -> {
      time();
      startBtn.gridy = 7;
* @param textFilePath The path to the txt file to line of text from
      fileByteStream = new FileInputStream(textFilePath);
  } catch (FileNotFoundException e) {
```

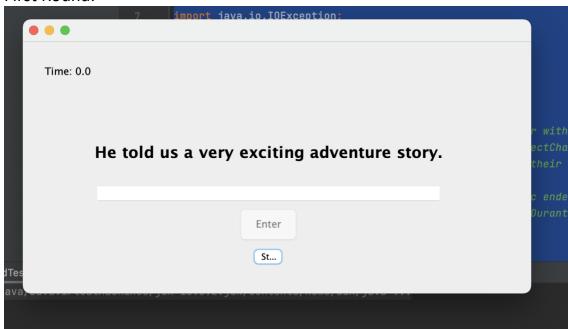
```
Scanner streamScnr = new Scanner(fileByteStream);
    while (streamScnr.hasNextLine()) {
    streamScnr.close();
        fileByteStream.close();
        e.printStackTrace();
public void play() {
    currentWord.setText(original);
public void getPerformanceStats() {
```

```
DecimalFormat twoDec = new DecimalFormat("#.##");
public void resetGame() {
    frame.getRootPane().setDefaultButton(startBtn);
 * @param args
```

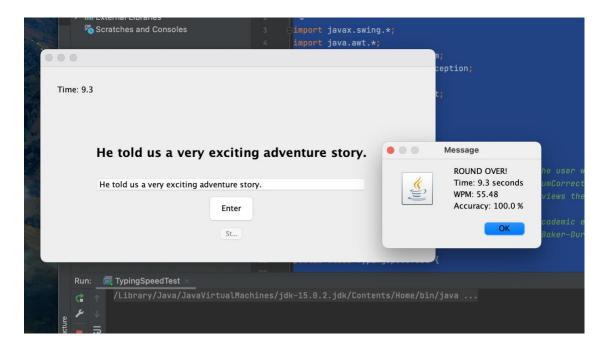
```
TypingSpeedTest test = new TypingSpeedTest();
    test.play();
}
```

Output (screenshots):

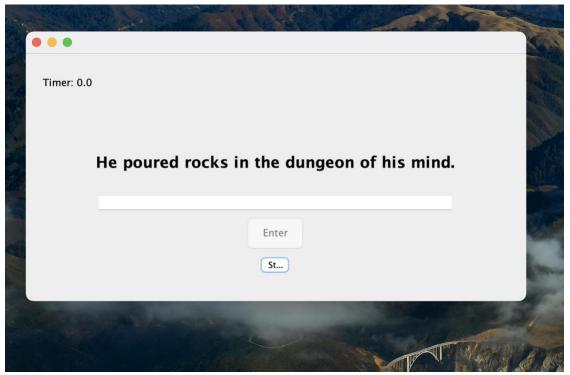
First Round:



Results Window:



Next Round:



Keeps repeating the above until exited