

Bolanle Adisa

Java II

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## HELP DOCUMENT

This is a GUI application that will take a user's password as input and then check the user's password against the list of common passwords found in a text file in a zip folder. I used Hashmaps from Collections to build this application. Below shows where it was implemented and initialised.

```
 JLabel message = new JLabel(    );

 HashMap hashmap = new HashMap();
 String sc;
 Font textt = new Font("Aerial", Font.BOLD, 48);
 Font text = new Font("Times new roman", Font.BOLD, 26);
 Font textttt = new Font("Times new roman", Font.BOLD, 26);
 // Font texttttt = new Font ("Times new roman", Font.BOLD, 26);
```

```
[-] public HashMap<String, String> read(){
    try{
        FileReader freader = new FileReader("rockyou.txt");
        BufferedReader breader = new BufferedReader(freader);
        sc = "";
        int i = 0;
        while((sc = breader.readLine()) != null){
            hashmap.put(i, sc);
            //System.out.println(i + " " + sc);
            i++;
        }
    }
```

```

public void actionPerformed(ActionEvent b){
    if(b.getSource().equals(checkPassword)){

        HashMap<String, String> map = new HashMap();
        map = read();

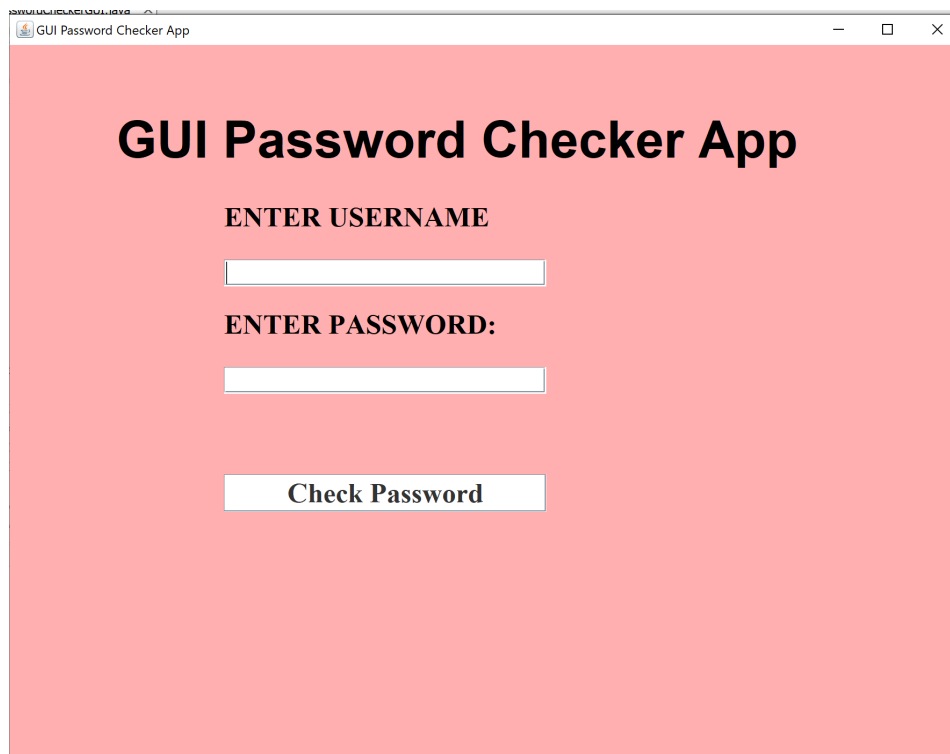
        if(map.containsKey(pWord.getText())){

            message.setForeground(Color.black);
            message.setText("Correct Password");

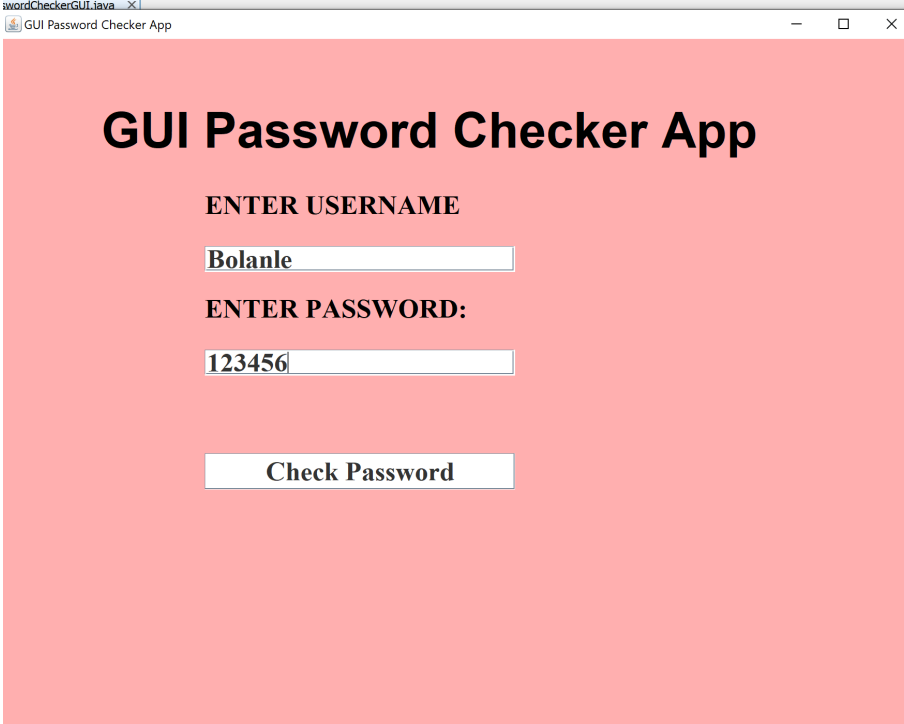
        }
        else
        {
            message.setForeground(Color.black);
            message.setText("Incorrect Password");
        }
    }
}

```

Below is the home page of my GUI Password Checker App which asks the user to input their username and password to be checked.




Below shows what input looks like in my app



The screenshot shows a Java Swing window titled "GUI Password Checker App". The window has a light red background. At the top, the title bar shows "swordCheckerGUI.java" and standard window controls. The main content area contains the following elements:

- A large bold title: **GUI Password Checker App**
- A label: **ENTER USERNAME**
- A text input field containing the text "Bolanle".
- A label: **ENTER PASSWORD:**
- A text input field containing the text "123456".
- A button labeled **Check Password**.

When the user clicks on Check Password, the app notifies the user that the password input is found in the txt file by saying “Correct password”.



The screenshot shows a Java application window titled "GUI Password Checker App". The window has a light red background and contains the following elements:

- A title "GUI Password Checker App" in large, bold, black font.
- A label "ENTER USERNAME" in bold, black font.
- A text input field containing the text "Bolangle".
- A label "ENTER PASSWORD:" in bold, black font.
- A text input field containing the text "123456".
- A label "Correct Password" in bold, black font, positioned to the left of the password input field.
- A button labeled "Check Password" in bold, black font.

When a password not included in the txt file is input like below,

GUI Password Checker App

# GUI Password Checker App

**ENTER USERNAME**

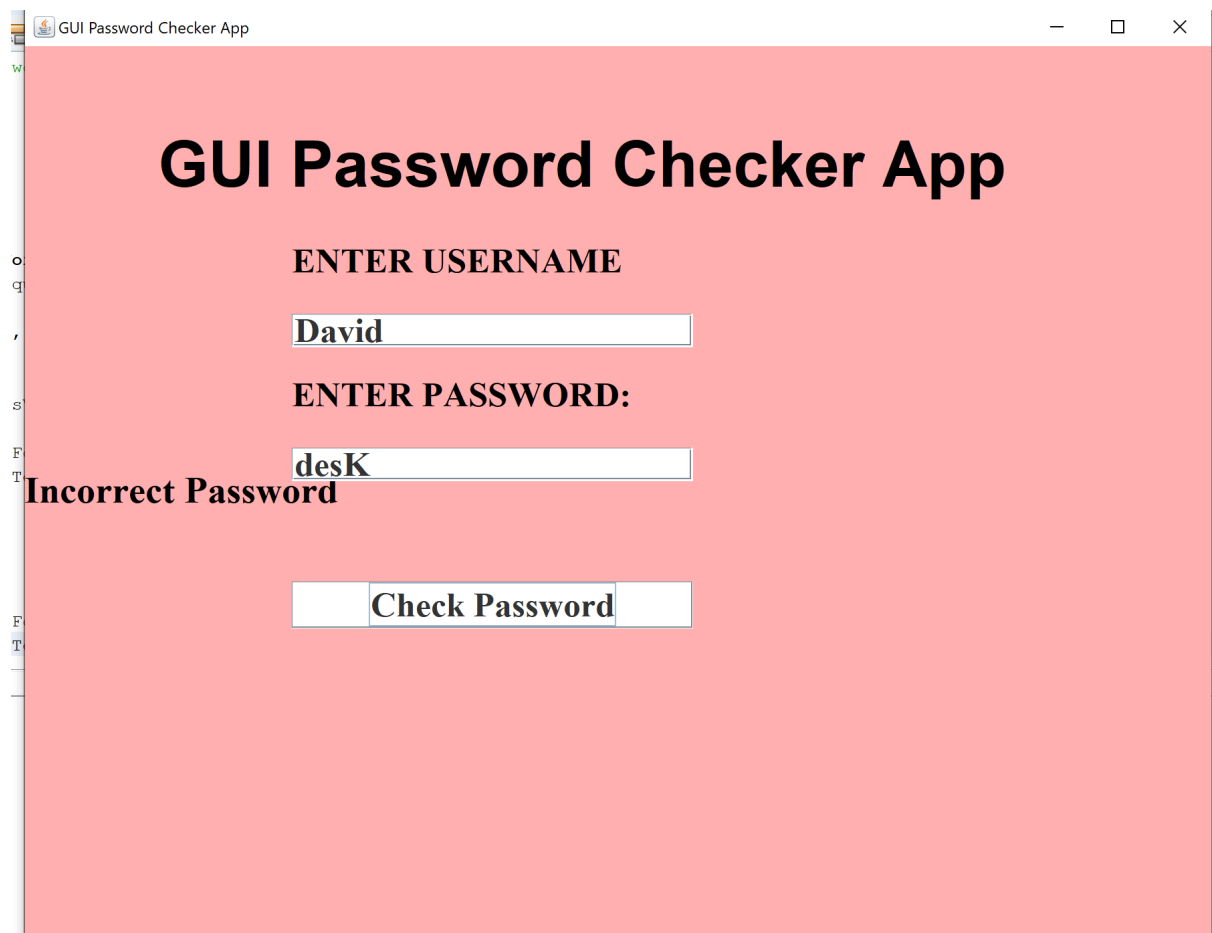
David

**ENTER PASSWORD:**

desK

**Check Password**

The user is notified by a message that says “Incorrect Password”



The screenshot shows a window titled "GUI Password Checker App" with a light red background. The window contains the following elements:

- GUI Password Checker App** (Title bar)
- GUI Password Checker App** (Main heading)
- ENTER USERNAME** (Label)
- (Username input field)
- ENTER PASSWORD:** (Label)
- (Password input field)
- Incorrect Password** (Message text)
- (Check Password button)