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SDEV 140

12/1/2024

Final Project Update

“””My program is a gift exchange app that allows users to select their names, click on a hat to draw a name, and generate a list of matches. The graphics of my program are nearly complete. I spent several hours on the logic code, but I am back to the drawing board. I know how to generate a list to match users with random gift recipients, but I wanted to display the picked name after each drawing from the hat. I’m struggling with a flaw that arises when the last person drawing a name draws there own name. I will continue to work on this logic, before the final submission.”””

1. The link of the GitHub repository for your final project. 10 points
   * https://github.com/jhicks3-ivytech/SDEV\_140.git
2. A working GUI tkinter application with at least two windows.   50 points
3. Implementing a modular approach in your application. 10 points
   * Yes
4. Consistent clear navigation throughout the GUI application.   10 points
   * Yes, everything is organized with single line comments.
5. Use at least two images in your application(images should have alternate text).  10 points
   * 1 of 2
6. Include at least three labels. 10 points
   * Yes
7. Include at least three buttons. 10 points
   * Yes
8. Include at least three call back function with each button, including exit button. 20 points
   * Yes
9. Implement secure coding best practices, including input validation to check if the user entered the correct data type, make sure the entry box is not empty, etc.   10 points
   * Yes
10. Validation testing - 20 points.  Develop an appropriate set of test data to fully validate the program against.
    * the data sets you tested against.
    * a brief written explanation of the results of your tests and what you had to fix.
    * screen shots of your good test data working.
11. User manual creation - 20 points.  You will write and submit a User's manual for your final project and submit it according to the instructions in the attached file.
12. Documentation of source code - 20 points.  You will fully document (comment) the corrected Python tkinter source code with appropriate comments including:

* A brief explanation of the purpose of each module (Sub) at the beginning of each Sub. (A header's comment)
  + Yes
* Explanation of the purpose of each variable where it is declared. (An end line comment)
* Line by line, or at least section by section comments within the code, explaining what the line/section does.