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SDEV 140

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PassGen Master Final Project

PassGen Master is having a bit of a slow start. As a general overview, I have the basic layout down and a working password generator. I am running into several errors with creating a theme for the project, but eventually all of the colors will be working. The next step for me is to get a 2nd window working that shows previously generated passwords, like a history window. I also need to add the functionality to easily be able to copy and paste the passwords so users do not have to manually enter them in. I will copy the guidelines and go over what needs to be done still.

1. A working GUI tkinter application with at least two windows.   50 points

The application is working, but a 2nd window still needs to be created, potentially more.

1. Implementing a modular approach in your application. 10 points

So far, I am doing my best to follow good practices to achieve this.

1. Consistent clear navigation throughout the GUI application.   10 points

There isn’t much navigation as of right now, but it is simple and clear.

1. Use at least two images in your application(images should have alternate text).  10 points

This is a simple one – I really just need to decide on what photos to add in.

1. Include at least three labels. 10 points

So far this has been achieved. There will probably be more as the project goes on.

1. Include at least three buttons. 10 points

This has also been achieved I think. More will be added by the end.

1. Include at least three call back function with each button, including exit button. 20 points

This has also been done with the buttons.

1. 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

I will need to add this to the text field to enter only the length of the characters

1. 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.

I have not done this step at all.

1. 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.

This has also not been done, probably not until it is finished.

1. 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)
* 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.

This is being worked on as I go. It will be completed fully in the final project.

1. The link of the GitHub repository for your final project. 10 points

I now have a working github repository.