

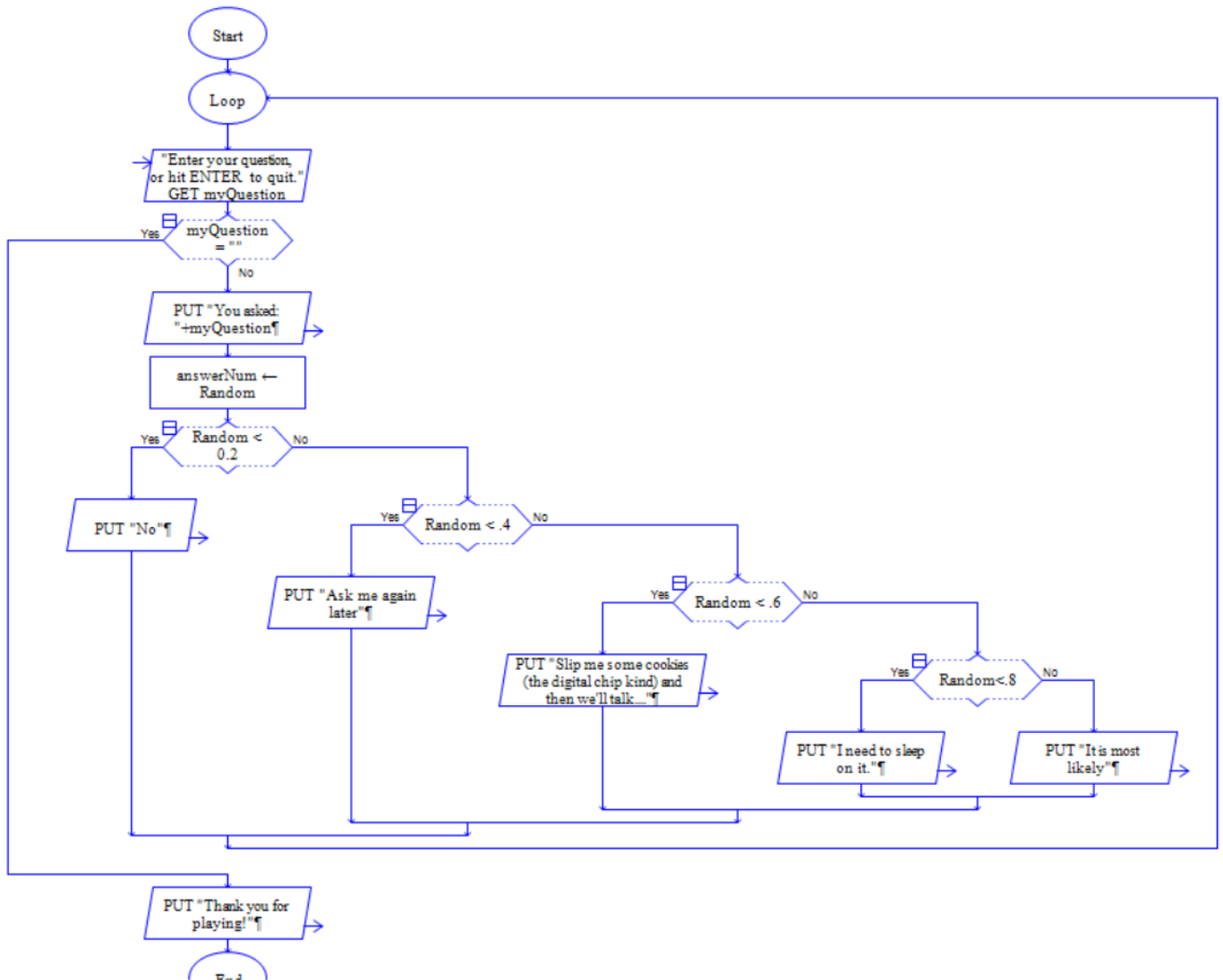
M03 Project Introduction and Project Status Report I

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Your application must be approved by the instructor. Provide the following information:

- The name of the GUI application.
 - **Virtual Magic 8 Ball**
- What is the purpose of the Application?
 - **To behave similarly to a Magic 8 Ball. It will provide random responses to questions asked by the user**
- List the reason you are creating the Application.
 - **I think that these balls are fun to play with.**
- What do you want the Application to accomplish? List the goals you have for the Application.
 - **To accept input from the user (the question that they're asking.)**
 - **To access a list of potential responses, pick a random one, and display it to the user.**
 - **To ask the user if they would like to play again.**
 - **Ultimately, I want it to be entertaining.**
- Who is your target audience? Describe your target audience by age, gender, socioeconomic characteristics, and so on.
 - **I've seen a wide variety of demographics drawn to the entertainment of a Magic 8 ball, however, it seems that the younger the audience, the more time that they have to play around on apps. I might target it towards adolescent boys in mid-low income groups.**
- Create an outline of your Final Python tkinter GUI application.
 - ***I wasn't quite sure what this was asking for, so I made a Raptor program to briefly outline my idea for the app.***



Please submit a Word document of your application name and outline.

You do not need to create your GUI application at this point, after completing the outline, you will start to develop your application in the following week. Another project status report will be required in Module 6, which you will need to turn in your updates for your application and show your progress. Please follow the following requirements for your final project, this shows a detailed breakdown for how the points are distributed:

1. A working GUI tkinter application with at least two windows. 50 points
2. Implementing a modular approach in your application. 10 points
3. Consistent clear navigation throughout the GUI application. 10 points
4. Use at least two images in your application (images should have alternate text). 10 points
5. Include at least three labels. 10 points
6. Include at least three buttons. 10 points
7. Include at least three call back functions with each button, including exit button. 20 points
8. 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
9. 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.

10. 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.
11. 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.
12. The link of the GitHub repository for your final project. 10 points