Proposal FINAL

Goal:

Of the yarn calculators on the web, they either list a general requirement (you will need X many yards to make X size sweater using general project averages) or use a proprietary formula (if you want to make our brand of sweater, you will need to use X amount of our brand of yarn). There are no calculators that help you determine how much yarn you will need based on the specifications of a pattern/project you want to do as well as compare cost at the same time.

Our goal is to create a yarn calculator that allows users to enter info into the data field in order to visually compare different brands of yarn and their attributes.

Outcome:

- Produce a series of user inputs that allows the user to input yarn choice information that displays the amount of skeins needed per yarn choice and the cost of the total project if they were to use that yarn.
- The final program code will be implemented using python, will demonstrate the use of selection and iteration statements, and provide programmer defined functions.
- The code will be made using only standard python libraries

Possible Future Enhancements:

- Add lists of different projects
- A way to compare and see if a yarn is eligible for a discount, and where that price point is

The outline is listed below on the second page.

Outline

Program Introduction

What is the name of the pattern that you picked out?
What is the yarn weight that the pattern calls for?
How many yards does the pattern call for?
    Are you ready to enter yarn? (y/n)
    If yes, continue to input questions
    If no, 'Please pick out a yarn and try again!'

What is the name of the yarn?
What is the weight of the yarn?
How many yards are in one skein?
What is the cost of one skein?
Is the yarn being held double? Y/N
    If yes, double the yardage and cost
    If no, print output
    Output: You will need X balls of yarn and the cost will be $Y

Do you have another yarn you want to compare? Y/N
    If yes, run input questions again
    If no, “Great! Happy Knitting your “Project Name”!