**Requirements Document**

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**Date Submitted:**

**Application Title**

**Purpose:**

**Program Procedures:**

**Algorithms, Processing, and Conditions:**

**Notes and Restrictions:**

**Comments:**

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Chapter3\_prob13

This application calculates the amount of Internet hours used, applies it to the package the user purchased, and returns the total bill.

The user should be continually prompted for the package the user purchased until one of the three packages has been chosen. Then the user continually should be prompted for the amount of Internet hours listed on their bill until they have entered an appropriate amount numeric in nature. The user should then be presented with the total bill.

1. The user must be prompted for the Internet package they purchased.
2. The user must be prompted for the amount of Internet hours listed on their bill.
3. Once the Internet package they purchased and the hours on their bill have been entered and validated, the calculations will begin.
4. Calculation for the amount of hours over the package allowance will be done.
5. Calculation for the total bill will be done.
6. Once the calculations are complete, these calculations will be displayed to the user

1. If the user enters a value that is not a valid Internet package, the user should be advised and asked for a valid entry.
2. If the user enters a value that is not numeric, the user should be advised and asked for a valid entry.
3. If the user enters a value that can’t be converted to a double, the user should be advised and asked for a valid entry.
4. If the user enters no data, the user should be advised and asked for a valid entry.
5. If the user enters a negative number or does not enter a number, the user should be advised and asked for a valid entry.

None