# Book Club Points Design Template

Kimberly Jackson

2/6/12

## 1. Intro

This program will request input from the user of the number of books purchased over the course of each month. Once this information has been verified, it will then display the number of point awarded based on the number of books purchased.

## 2. Use Cases

Use Case: Typical - All entries correct

1. Program displays a set of instructions for the rest of the program.
2. Prompts for the number of books purchased over the last month.
3. User enters the number of books purchased.
4. Program requests validation on the number of books.
5. User validates entry as correct using a simple Y or N char.
6. Program displays the number of points awarded for that month.

Use Case: Typical - Incorrect books.

1. Program displays a set of instructions for the rest of the program.
2. Prompts for the number of books purchased over the last month.
3. User enters the number of books purchased.
4. Program requests validation on the number of books.
5. User validates entry as incorrect using a simple Y or N char.
6. The prompt to enter the number of books purchased is displayed again.
7. User enters in the number of books purchased.
8. Program displays the number of points awarded for that month.

Use Case: Error

1. Program displays a set of instructions for the rest of the program.
2. Prompts for the number of books purchased over the last month.
3. User enters the number of books purchased using letters instead of numbers.
4. Error.

## 3. Design Overview

Obtain, test, and display books and points.

Display points

Test book numbers

Prompts w/ inputs

Message w/ instructions

Verify Books

Obtain Books

## 4. System Tasks Descriptions

Function: main

Prompts

Input books

Validate books

If books >= 4

Display 60pts

else if books == 3

Display 30 pts

else if books == 2

Display 15pts

else if books == 1

Display 5pts

else if books == 0

Display NO POINTS FOR YOU.

else

Display My hair is a bird. Your number is invalid.

return 0;