**CMSC203 Assignment 1 Implementation**

Class: CMSC203 CRN ***46519***

 Program: Assignment #1

Instructor: Farnaz Eivazi

 Summary of Description: create a program that suggests possible solutions to internet connectivity issues

 Due Date: 6/23/2022

 Integrity Pledge: I pledge that I have completed the programming assignment independently.

 I have not copied the code from a student or any source.

**Part1: Pseudo Code:** Here is a pseudo code for Assignment 1 program:

**Declare variable input**

**Declare scanner keyboard**

**-prompt user to reboot computer**

**- request user enter yes or no for input**

**IF input is no**

**-Prompt user reboot router**

**-request user enter yes or no**

**Else IF input is yes**

**-Display that rebooting computer worked**

**IF input is no**

**-prompt user to check cables**

**- request user enter yes or no**

**Else IF input is yes**

**-Display that rebooting router worked**

**IF input is no**

**-prompt user move computer closer to router**

**-request user enter yes or no**

**Else if input is yes**

**-Display that checking cables worked**

**IF input is no**

**-Prompt user to contact their ISP**

**Else If input is yes**

**-Display that moving computer closer worked**

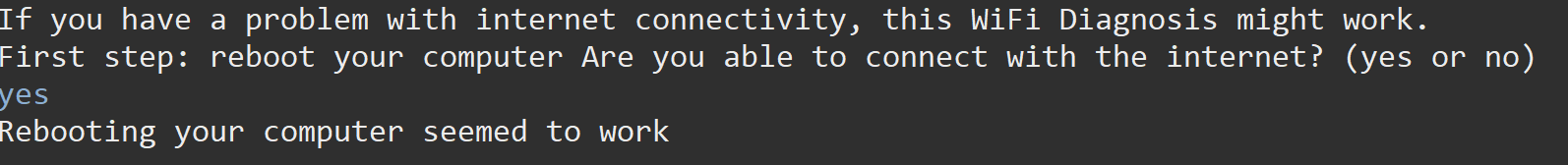
**END IF**

**Part2: Comprehensive Test Plan**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Cases | Input | Expected Output | Actual Output | Did Test Pass? |
| Case 1 | yes | Rebooting pc seemed to work | Rebooting your computer seemed to work | Y |
| Case 2 | no  NO  no  no | Contact ISP | Contact ISP, make sure hooked up to router | Y |
| Case 3 | no  no  yes | Connecting cables seemed to work | Connecting cables seemed to work | Y |
| Case 4 | no  no  no  yes | Moving computer seemed to work | Moving computer seemed to work | Y |

**Part3: Screenshots related to the Test Plan:**

**Case 1**

****

**Case 2**

**A picture containing graphical user interface

Description automatically generated**

**Case 3**

**A picture containing graphical user interface

Description automatically generated**

**Case 4**

Text

Description automatically generated

**Lessons Learned:**

Write about your Learning Experience, highlighting your lessons learned and learning experience from working on this project.

What have you learned?

Using comments and marking code can help make code easier to read or identify which process is which

What did you struggle with? Making it apparent in pseudocode format that if statements are nested

What would you do differently on your next project? Include input validation

What parts of this assignment were you successful with, and what parts (if any) were you not successful with?

I think, I was successful with every part of the assignment as the application was simle

**Check List:**

|  |  |  |  |
| --- | --- | --- | --- |
| **#** |  | **Y/N** | **Comments** |
|  | **Assignment files:** |  |  |
|  | * FirstInitialLastName\_Assignment#\_JavaFiles.zip | **Yes or No** | **Y** |
|  | * FirstInitialLastName\_Assignment#.docx/.pdf | **Yes or No** | **Y** |
|  | * Source java file | **Yes or No** | **Y** |
|  | **Program compiles** | **Yes or No** | **Y** |
|  | **Program runs with desired outputs related to a Test Plan** | **Yes or No** | **Y** |
|  | **Documentation file:** |  |  |
|  | * Comprehensive Test Plan | **Yes or No** | **Y** |
|  | * Screenshots related to the Test Plan | **Yes or No** | **Y** |
|  | * Screenshots of your GitHub account with submitted Assignment# (if required) | **Yes or No or N/A** |  |
|  | * Pseudocode | **Yes or No or N/A** | **Y** |
|  | * Lessons Learned | **Yes or No** | **Y** |
|  | * Checklist is completed and included in the Documentation | **Yes or No** | Y |