Web Development – Mr. Turner

Project – Black and Red

**Project Overview**

Two players each have 2 piles of tokens (one pile of black and one pile of red). The object of the game is to get rid of all of the black tokens and have the most red tokens. The code has been written but there are errors. Your job is fix the errors and get the code working.

**The Site**

Each player receives 10 black tokens and 10 red tokens at the beginning of the game.

There is one black die (6 sides) and one red die (6 sides).

On each turn, the current player will roll both dice. The red die will apply to the red tokens and the black die will apply to the black tokens. The current player may do one of the following:

1- He may remove red tokens from his pile and add black tokens to his opponent.

2- He may add red tokens to his pile and remove black tokens from his opponent.

3- He may remove black tokens from his pile and add red tokens to his opponent.

4- He may add black tokens to his pile and remove red tokens from his opponent.

The game ends when one player has run out of black tokens. At that time, the player with the most red tokens is the winner.

On the user’s turn, he or she will click the button to roll the dice.

After the dice have been rolled, the roll will be displayed. The user can then click on one of 4 options (listed above) determining how (s)he wants to play the roll.

Once a selection has been made, the turn will go to the computer. The roll button will still be player activated so that (s)he can view the computer’s turn. The computer will roll the dice and decide on one of the 4 options randomly. There must be a space on the page in which a message is printed telling what the computer did with its dice roll.

**Your job is to debug the code and fix all of the errors. Wherever you have fixed an error, put a comment into the code showing what was originally there and explaining how you fixed it.**

**Programming Requirements**

*You project is to be submitted via Moodle. Compress all of the necessary files into a zip or rar file. The file should have the following name:*

*First Name Last Name Black and Red*