

GetPlayers.cpp

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1 /*****
2  * PROGRAMMER : Ali Eshghi
3  * STUDENT ID : 1112261
4  * CLASS      : CS1B
5  * SECTION    : MW 7:30pm
6  * Assign #2  : tic-tac-toe game (multi-dimensional arrays)
7  * DUE DATE   : 19 September 2019
8  *****/
9 #include "MyHeader.h"
10
11 /*****
12  * GetPlayers
13  * This function prompts the user and gets the input for the players' names.
14  * playerXwill always contain the name of the player that is using the X token.
15  * player0will always contain the name of the player that is using the 0 token.
16  *
17  * RETURNS: the players names through the variables playerX and player0.
18  *****/
19
20 void GetPlayers(string &playerX, //IN & OUT -player X's name
21                string &player0, //IN & OUT -player 0's name
22                char &compToken,
23                char &tokenChoice,
24                int option)
25 {
26
27
28
29     if(option == 1) //single player
30     {
31
32         /*****
33         * INPUT - gets the choice of the token that the player wants to play
34         *          and based on that inputs the input name from the user to
35         *          the player 0 (if the player chooses 0) or player X (if the
36         *          player chooses X)
37         *****/
38         cin.ignore(10000, '\n');
39
40         cout << "Would you like to play as player \'X\' or player \'0\'? ";
41         cin.get(tokenChoice);
42         cin.ignore(1000, '\n');
43
44         if(toupper(tokenChoice) == 'X')
45         {
46             cout << "What is the Player's name for token X? ";
47             getline(cin, playerX);
48             player0 = "system";
49             compToken = '0';
50         }
51         else if(toupper(tokenChoice) == '0')
52         {
53             cout << "What is the Player's name for token 0? ";
54             getline(cin, player0);
55             playerX = "system";
56         }
57     }
58 }
```

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56         compToken = 'X';
57     }
58 }
59
60 else if(option == 2) //multi-Player
61 {
62     /******
63     * INPUT - gets the name of both playerX and player0
64     *****/
65     cin.ignore(10000, '\n');
66
67     cout << "What is the Player's name for token X? ";
68     getline(cin, playerX);
69
70     cout << "What is the Player's name for token 0? ";
71     getline(cin, player0);
72
73     cout << endl;
74 }
75
76
77 }
78
```