Functional Programming Assignment Element 2 Resit

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For a text-adventure gaming system I can think of rooms like a piano room, dance hall, laundry, drycleaning room, library and a drama room. The player goes in directions such as north, south, northwest to these rooms to find a box of vinyl lps. The goal of the game is to find the box of lps. The player can start playing the game by typing 'Start', type in commands such as 'Check' to see what is in the place they are in or 'Leave Game' to leave the game.

```
C:\Users\user\OneDrive - University of West London\actualgame.hs - Notepad++
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       -- Text adventure game
  3
      data Entrance = Entrance String String -- two strings for two pieces of info displayed separately
  8
  9
      data Place = Place String String [Entrance]
  10
  11
      data playBuilding = playBuilding [Place]
 12
 13
       -- study - toilet - sitting room - acting room-dance hall
  14
                /
                    1 /
                                       /
                                               \
  15
      -- library - dining area - gaming room - piano room
 16
```

The coding I wrote to make the game run begins declaring variables. The variables Entrance and Place which are the room and entrance to each to it, need two strings. One to show the way to the place and another the name of the place.

Here I've defined "start" with IO with parentheses to make the input work. This makes the user able to type "start" to start playing the game. This is by completing its definition with the common line of code "= do" to run the game when the player types "start".

```
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 17
 18
 19
     thisTyping :: String -> Place -> playBuilding -> IO ()
 20 thisTyping pC cR pB= do
        putStr ("Please decide what you want to do " ++ pN ++)
 21
         typing <- getLine
 22
 23
  24
 25
 26
         if (command == "come out" || command == "leave game") then
            putStrLn "You are now leaving..."
 27
 28
         else if (command == "see") then do
```

The code makes the commands being typed in by the player work. The command being typed known as "typing" has getLine with an arrow to show the telling the user to decide what to do.

