

Most of the following corrections, you can figure them out by yourself. We state them here for you just to make sure of them.

1- Inside **DrawLadder** function:

```
///TODO: Validate the Cell Position (Must be Vertical Cells AND toCell below fromCell, otherwise, Do NOT draw)
```

For sure in Ladders the **toCell** is above not below.

2- Inside the **TestCode**, the **test of DrawPlayer**:

```
/// playerNum (0) with color (PlayerColors[0] defined in UI object) in cell position (player_15 declared above)
```

Notice that this player is **invalid too** because player_15 position is (2, 18) and 18 is out of boundary.

3- Inside the **TestCode**, the **test of DrawLadder**,

here are the correct comments with clarification (Please notice the **highlighted** and underlined parts):

```
CellPosition start_89 (0, 0); // 89 not 1
CellPosition end_34 (5, 0);
```

```
CellPosition start_22 (7, 10);
CellPosition end_99 (0, 10);
```

```
///TODO: Call Function DrawLadder of Class Ouput Multiple Times
```

```
/// to draw the following ladders:
```

```
/// a ladder from start_89 to end_34 declared above --> INVALID because toCell is below
```

```
/// a ladder from start_22 to end_99 declared above --> valid
```

```
/// a ladder from start_89 to end_99 declared above --> INVALID because NOT vertical
```

```
/// a ladder from end_34 to start_89 declared above --> valid
```

4- [The Most Important] Inside the **PrintPlayersInfo** function of the **Output** class,

- One of the correct ways to **implement** the following **TODO** is to call **CreatePlayModeToolBar()**; to clear what was written in the player info (*there are other ways too – You are free to use any*):

```
///TODO: Clear what was written on the toolbar
```

```
CreatePlayModeToolBar(); // to clear what was written
```

- And to make the printing of Players Info appears correctly,
Remove the line: ~~pOut->CreatePlayModeToolBar();~~ from the **Test Code** in the switch case of **case TO_PLAY_MODE**: (this works if you used the **TODO**'s implementation written here in the previous point)

OR

keep the call of create play toolbar but call the function **PrintPlayersInfo** AFTER it (not before it).