Artificial Intelligence Project Final Report

Name :Yuvraj Baheti

Registration number: 11804172

Course Code: INT404

Card Game

Abstract

Card game has following rules. There will be total of 18 cards; 6 cards each of three colors (red, yellow, green) with following points distribution- red carries +1 point, yellow has 0-point, green carries -1 point.

There will be three players who would get six cards each. Each player will get two chances and the game will proceed in a circular fashion. In every chance the total score of that chance (taken by adding points of all three cards) would be added to that respective player (whose chance it was) player. The one with highest score will be winner.

Related Work

It is a fresh game designed by me to be automated but it is well connected with existing card games like Court Piece and Black Queen.

However, the number of cards taken is different and it is colour based.

Implementation

Can be developed into another automated invincible game like GO.

Result

```
                Let's Start The Game

player  1 's chance
                You have following cards left

                Red Cards- 3
                Yellow Cards- 2
                Green Cards- 1
                Which color you wanna select-
```

```
                Let's Start The Game

player  1 's chance
                You have following cards left

                Red Cards- 1
                Yellow Cards- 2
                Green Cards- 3
                Which color you wanna select-g
['r', 'g', 'g']
player  2 's chance
                You have following cards left

                Red Cards- 1
                Yellow Cards- 2
                Green Cards- 2
                Which color you wanna select-g
['g', 'r', 'g']
player  3 's chance
                You have following cards left

                Red Cards- 1
                Yellow Cards- 2
                Green Cards- 1
                Which color you wanna select-r
['y', 'g', 'r']
player  1 's chance
                You have following cards left

                Red Cards- 0
                Yellow Cards- 2
                Green Cards- 1
                Which color you wanna select-g
['y', 'r', 'g']
player  2 's chance
                You have following cards left

                Red Cards- 0
                Yellow Cards- 2
                Green Cards- 0
                Which color you wanna select-y
['y', 'r', 'y']
player  3 's chance
                You have following cards left

                Red Cards- 0
                Yellow Cards- 1
                Green Cards- 0
                Which color you wanna select-
```

Work Distribution

No team member.

Libraries used

None

References

None