## Continue your conceptualization of a game state visualizer, building on what we did in class.

## During the class, I thought of capturing the moves of every player in the form of json data type.

Text

Description automatically generated with medium confidence

The prototype depicts the state of for multiple players (P1, P2, P3).

Round 1

Yellow: Drew two cards

Red: Drew two

Green: Drew two

Blue: Drew two yellow from shown cards

Round 2:

Yellow: Connected Sault St Marie and Duluth

Red: Connected Denver to Omaha

Green: LV to SLC

Blue: LA to PHX

Y4, G4, B4, R7

Round three:

Yellow: Drew two from stack

Red: Drew two from stack

Green: Drew two from stack

Blue: PHX to El Paso

Y4, G4, B8, R7

Round four:

Yellow: Duluth to Omaha

Red: NYC to DC

Green: KC to STL

Blue: Houston to New Orleans

Y6, G6, B10, R11

"Instantiating" this prototype for at least two game states.

4 Jsons should created where the 4 rounds are initiated and finished :

Yellow\_P1

[

{

"cardDrawn": 2,

"routeConnected": false,

"score": 0,

"location":[]

},

{

"cardDrawn": 0,

"routeConnected": true,

"score": 4,

"location":["Sault St Marie", "Duluth"]

},

{

"cardDrawn": 2,

"routeConnected": false,

"score": 0,

"location":[]

},

{

"cardDrawn": 0,

"routeConnected": true,

"score": 2,

"location":["Duluth", "Omaha"]

}

]

Red\_P2

[

{

"cardDrawn": 2,

"routeConnected": false,

"score": 0,

"location":[]

},

{

"cardDrawn": 0,

"routeConnected": true,

"score": 7,

"location":["Denver", "Omaha"]

},

{

"cardDrawn": 2,

"routeConnected": false,

"score": 0,

"location":[]

},

{

"cardDrawn": 0,

"routeConnected": true,

"score": 4,

"location":["NYC", "DC"]

}

]

Green\_P3

[

{

"cardDrawn": 2,

"routeConnected": false,

"score": 0,

"location":[]

},

{

"cardDrawn": 0,

"routeConnected": true,

"score": 4,

"location":["LV", "SLC"]

},

{

"cardDrawn": 2,

"routeConnected": false,

"score": 0,

"location":[]

},

{

"cardDrawn": 0,

"routeConnected": true,

"score": 2,

"location":["KC", "STL"]

}

]

Blue\_P4

[

{

"cardDrawn": 2,

"routeConnected": false,

"score": 0,

"location":[]

},

{

"cardDrawn": 0,

"routeConnected": true,

"score": 4,

"location":["LA", "PHX"]

},

{

"cardDrawn": 0,

"routeConnected": true,

"score": 2,

"location":["Houston", "New Orleans"]

},

{

"cardDrawn": 0,

"routeConnected": true,

"score": 4,

"location":["PHX" , "El Paso"]

}

]

I was able to create a few plots with helps of pandas, but faced some difficulties to incorporate it into the HTML page.