

Manual test plan

OS support:

Only Windows 10 will be used when testing

First run:

Right click on the “Main” class and hit run “Main.main()”

Input your desired number of players. If the input is not a number or the number of player is less than 2, an error message will occur:

```
"C:\Program Files\JetBrains\IntelliJ IDEA 2019.2.3\jbr\bin\java.exe" ...  
Please indicate the number of players:  
six  
Input is not a number, please re-enter  
Please indicate the number of players:  
1  
Game need more than 1 player  
Current player count is automatically set to 2
```

Basic:

Play a card by typing the index number in the terminal:

```
Player1's Turn  
Current Card is: RED 3  
Deck has 93 cards remaining  
You have the following options:  
0. Draw a new card  
1. BLUE 3  
2. BLUE 7  
3. GREEN 7  
4. YELLOW 8  
5. YELLOW 9  
6. WildCard  
7. RED 5  
Please type the index of card you want to play:  
1
```

If successful, the current card will be changed to this card and the player’s turn will be over.

If the player typed an invalid input twice in a row, he will receive the penalty of drawing one card and end the turn.

```
Player2's Turn
Current Card is: BLUE 3
Deck has 93 cards remaining
You have the following options:
0. Draw a new card
1. YELLOW 4
2. YELLOW 3
3. WildCard
4. BLUE 8
5. WildDrawFour
6. YELLOW DrawTwo
7. BLUE DrawTwo
Please type the index of card you want to play:
|
You chose the invalid card twice in a row. You have to draw a card and end your turn.
```

If the player has no valid card to play and choose 0(to draw a card), he will be notified and given a choice to play the drawn card immediately if possible:

```
Please type the index of card you want to play:
0
You have the following options:
1. YELLOW 4
2. YELLOW 3
3. WildCard
4. BLUE 8
5. WildDrawFour
6. YELLOW DrawTwo
7. BLUE DrawTwo
8. RED Skip
9. BLUE 5
You can choose whether to play the card you just drawn
Please indicate by typing yes or no
```

If the player chooses to play a wild/wild draw four card, he will be given the option to choose the desired color by input green/yellow/red/blue in terminal. Invalid input will be notified.

```
~~~~~
Player1's Turn
Current Card is: BLUE 3
Deck has 90 cards remaining
You have the following options:
0. Draw a new card
1. BLUE 7
2. GREEN 7
3. YELLOW 8
4. YELLOW 9
5. WildCard
6. RED 5
7. GREEN 4
Please type the index of card you want to play:
5
Please choose your desired color
red
~~~~~
Player2's Turn
Current Card is: WildCardRED
Deck has 90 cards remaining
```

If the player needs to draw card from the deck and the deck does not have sufficient cards, the discard pile will be used to re-shuffle the card deck and notify all players.

```
Player8's Turn
Current Card is: BLUE 5
Deck has 1 cards remaining
You have the following options:
0. Draw a new card
1. WildDrawFour
2. GREEN Reverse
3. RED Reverse
4. GREEN Skip
5. GREEN 8
6. BLUE 7
7. BLUE Reverse
Please type the index of card you want to play:
1
Please choose your desired color
red
Deck has been re-shuffled
```

If a player played all available cards in hand, he will win the game.

```
Player1's Turn
Current Card is: BLUE 2
Deck has 74 cards remaining
You have the following options:
0. Draw a new card
1. BLUE 5
Please type the index of card you want to play:
1
Game is over, Player1 wins!!!
```