OS Support

-Windows

-Linux

-Mac OS

IDE

-IntelliJ

Java Test Environment

-JUnit4

Run

Under GameTest file, run all the functions
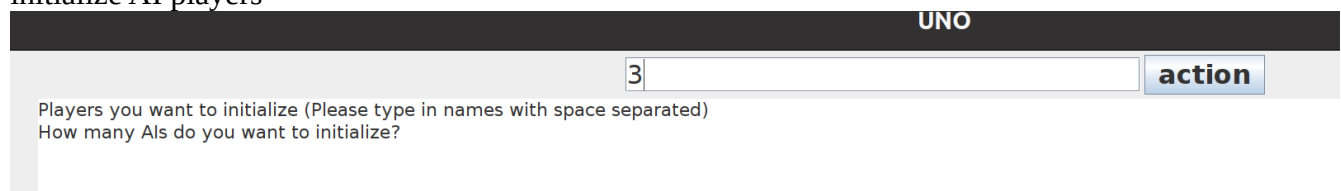
User Interface examples

initialize human players

type in human names with space separated

initialize AI players

If you want to add AIs, type in their total number. Otherwise, type in 0

AI automatic play

UNO

[_____] **action**

AI No. 3
[(1) wild, (2) redSkip, (3) red7, (4) wild, (5) green4, (6) green8, (7) yellowReverse]
currentCard: blue1
currentColor: blue
currentNumber: 1
currentPenalty: 0
currentCardsStack: 64
UsedCardsStack: 3
AI No. 3 chose to put out wild
AI No. 3 chose to keep the current direction.
AI No. 3 chose to change number.

This is how AI automatically chooses their card.

Human play channel

[_____] **action**

abc
[(1) yellow3, (2) green1, (3) green8, (4) blueSkip, (5) greenReverse, (6) blue1, (7) green1]
currentCard: red7
currentColor: red
currentNumber: 7
currentPenalty: 0
currentCardsStack: 65
UsedCardsStack: 1
Please make your choice:
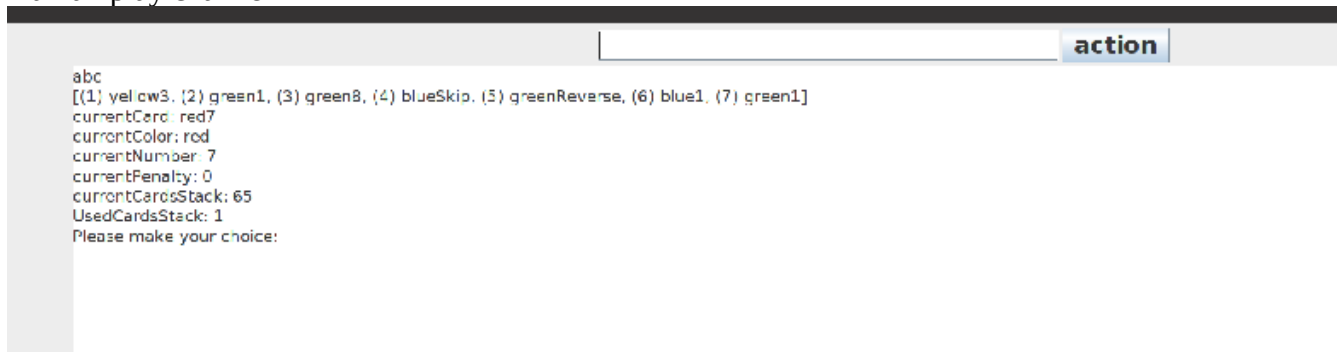
 Human play channel shows the currentCard, its color, number. Also, currentPenalty, number of cards left in currentStack and UsedStack are also shown.

Color Change

abc
[(1) wildDrawFour, (2) blue5, (3) red7, (4) blue7]
currentCard: green9
currentColor: green
currentNumber: 9
currentPenalty: 0
currentCardsStack: 90
UsedCardsStack: 8
Please make your choice:
Do you want to change playing direction?
Please make your choice (change number or color):
Please make your color choice:
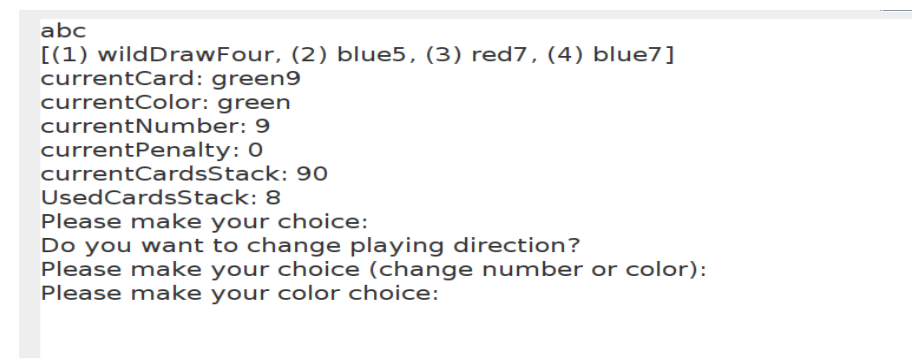
Since I added two custom function for **Wild Card (Allow it to reverse and allow changing number)**, the color change shot is as above.

draw card

draw | action

abc
[(1) yellow3, (2) green1, (3) green8, (4) blueSkip, (5) greenReverse, (6) blue1, (7) green1]
currentCard: red7
currentColor: red
currentNumber: 7
currentPenalty: 0
currentCardsStack: 65
UsedCardsStack: 1
Please make your choice:

Click on "draw" to draw card, and it will automatically decide whether to put out this card or not.

Game over
This is the
game over
status.

AI No. 1 wins