

## Assignment 3

01. Take in command line input and VALIDATE before beginning program
  - a. If the numbers are not valid, exit program
  - b. Max players is 13, Max Cards is 13
  - c. Can't have too many cards out that exceed the deck of 52
02. Store 52 integers in an array
03. Have a function dedicated to swapping these numbers to print corresponding character symbols for the cards
04. Swap numbers randomly in the integer array to perform the "shuffle"
  - a. Generate a random number from 0 to 51 for the integer array locations
  - b. Start from end of array and swap with a randomly generated index
05. Print the array again using the dedicated function to show symbols but with the new shuffled array
06. Print out the player numbers and the cards in order of the shuffled deck dealt to the players

```
for each number in the deck
    print suit and rank

//perform swap
for each number starting from the end of the deck to 0
{
    tempHolder = list[current index]
    list[current index] = list[randomly generated number]
    list[randomly generated number] = tempHolder
}

//print deck again
for each number in the deck //now they are in shuffled order
    print suit and rank corresponding to each number
```