## Java Programming Test

### Goal of the evaluation:

Evaluation of the ability to produce professional code.

### Subject:

Realize a simple programming exercise, with a careful enforcement of the specifications, and be attentive to the produced code quality.

You have to provide all the elements:

* Source code
* UML Class Diagram
* Etc.

### Specifications:

* The program should manage a data structure of 52 cards, each card having a value and a color.
* Initialize this data structure correctly (13 values and 4 colors), then display the list on the screen, enforcing this order: club, diamond, heart, spade.

The result should be:   
2 of club  
3 of club  
4 of club  
5 of club  
6 of club  
7 of club  
8 of club  
9 of club  
10 of club  
Jack of club  
Queen of club  
King of club  
Ace of club  
....  
2 of spade  
3 of spade  
4 of spade  
5 of spade  
6 of spade  
7 of spade  
8 of spade  
9 of spade  
10 of spade  
Jack of spade  
Queen of spade  
King of spade  
Ace of spade