


# JCoinche | Java Programming

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# About JCoinche :

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The “*Jeu de Coinche*” is a french card game derived from the “*Belote*” introducing a new auction named “*Coinche*”.

This project is developed in **Java**, on a Client/Server architecture.

In this documentation, you will find all the necessary information you need to build it from source files, how it works, as well as detailed information about the different parts of it.

# Summary

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# Requirements

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The project uses *Maven* to build.

It is a Java project running on *JRE 9*. It must be build with *JDK 9*. Make sure your environment variables are set accordingly.

# Getting Ready

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To install the game, use maven at the root of the repository :

```
#> mvn package
```

The server and client jar files are located in the **target/** directory.

The server can be launched via command line to specify a PORT argument, if you want to bypass the default 4242 port.

```
#> jcoinche-server [PORT]
```

The client can also be launched via command line to specify an IP and a Port argument, if you want to bypass the default 127.0.0.1 IP and 4242 port.

```
#> jcoinche-client [IP] [PORT]
```

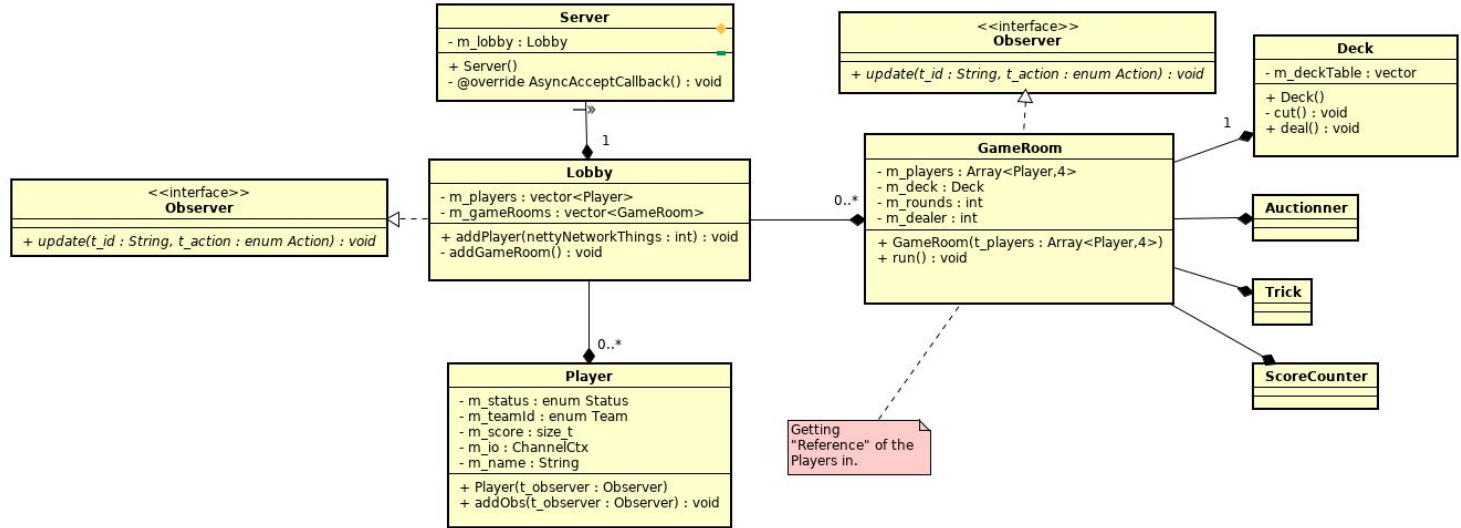
# UML DIAGRAMS

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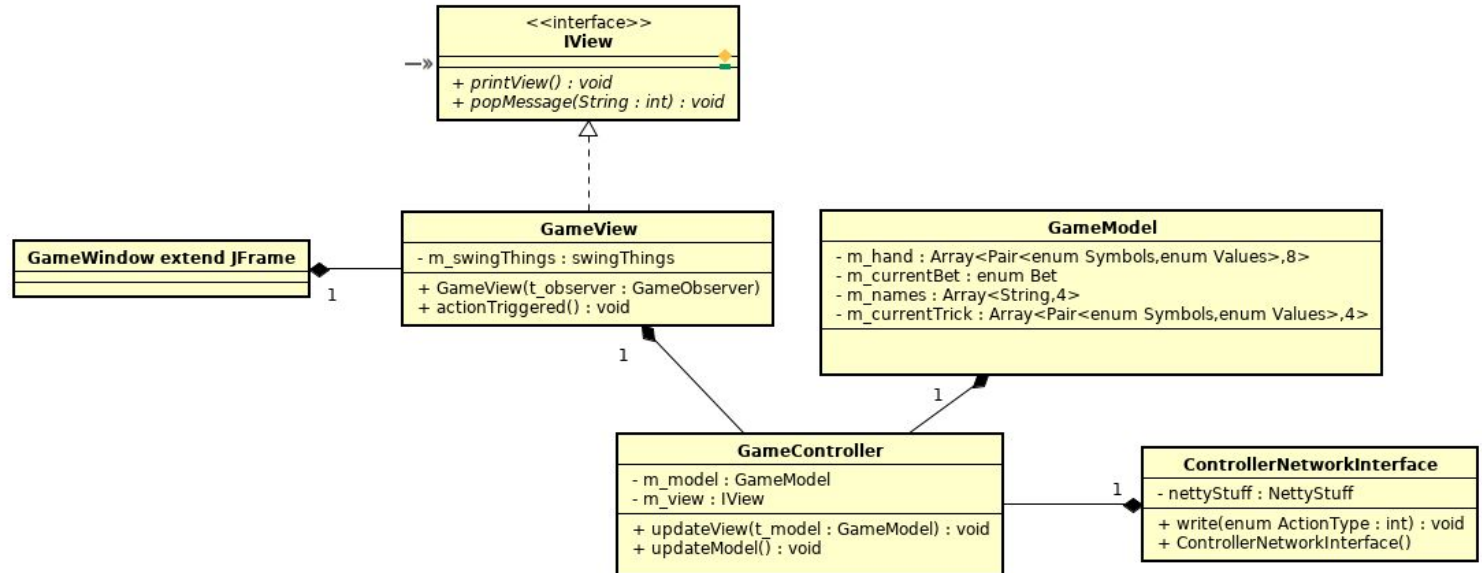
**1. Server**

**2. Client**

# Server



# Client





# Protocol

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The protocol is provided by the Google Protobuf protocol generator. Following is more details about how we organized the protocol for JCoinche.

- ***BaseCommand*** : Used for packet interfacing
- ***Auction*** : Sends a Packet containing the auction put by a player
- ***Move*** : Sends a Packet containing the move made by a player
- ***player\_state*** : Contains all the player information to display
- ***bet\_state*** : Contains the current game auction information
- ***static\_game\_state*** : Contains game information to display
- ***request*** : Used to pull information from the Client
- ***switch\_mode*** : Informs the Client of a game screen change
- ***ServResponse*** : Sends a Server response to the Client
- ***Disconnect*** : Informs the parties of a Client disconnection

# Credits

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This project is brought to you by **La Pirogue Du Fun**™

