

Communication protocol

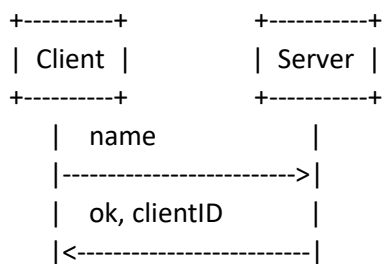
For the message exchange we used java serialization. The notification classes implements Serializable and NotificationInterface, that is composed by 3 methods:

- void accept(NotificationVisitor v) used by ClientUpdater (client) and ModelUpdater (server) for executing the methods of the serialized class using visitor pattern.
- void setClientID(int clientID) for setting the clientID.
- int getClientID() let the server know which client sent the notification and the client if the notification is supposed to call the class methods or if it is an update of the game state.

All the notifications from the server to the clients (except for setName, move, build, elimination, disconnection, win) request the reply only from the client with the same clientID as the one stored in the notification.

The notifications are:

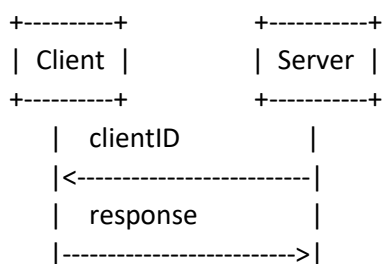
SetNameNotification



Client: send the name to the server

Server: if the name is valid, send the setNameNotification with
ok = true and the ClientID of the client, otherwise
ok = false and the client send another name

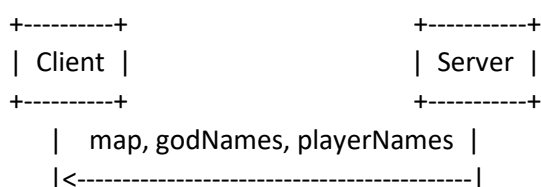
AskForReloadStateNotification



Server: send the AskForReloadStateNotification

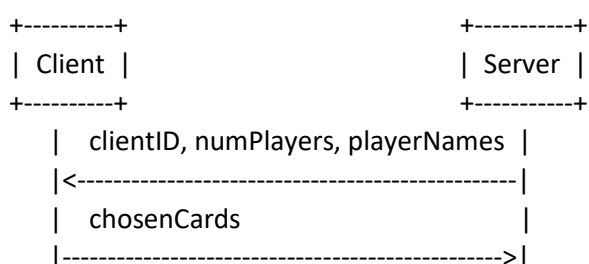
Client: reply with the boolean response

LoadGameNotification



Server: send all the informations for loading the game

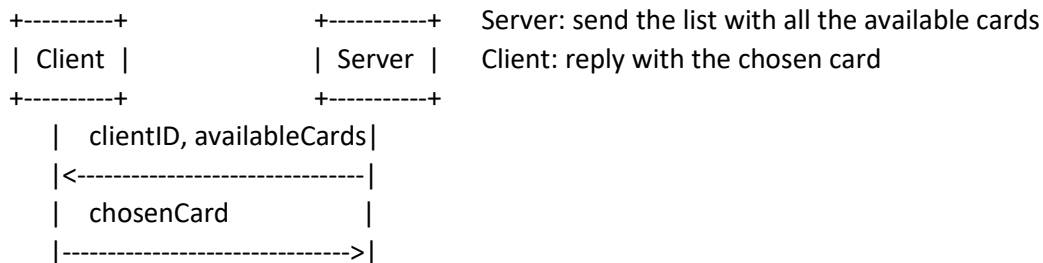
ChooseCardListNotification



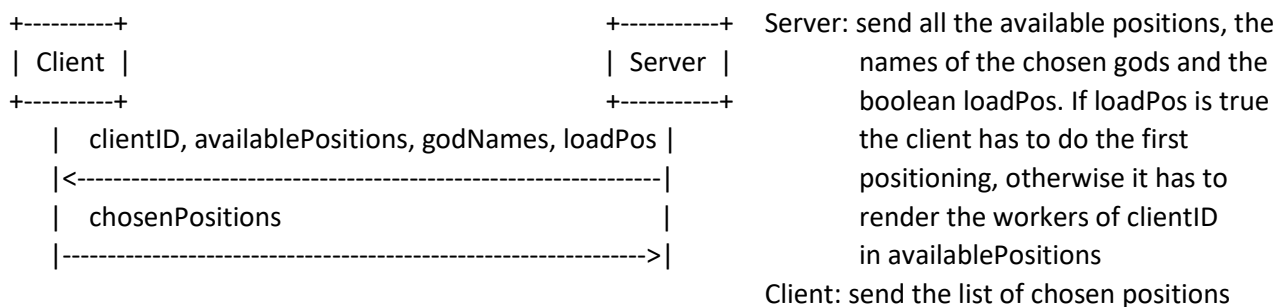
Server: send all the informations that the client
need to know for choosing the cards

Client: reply with the list of chosen cards

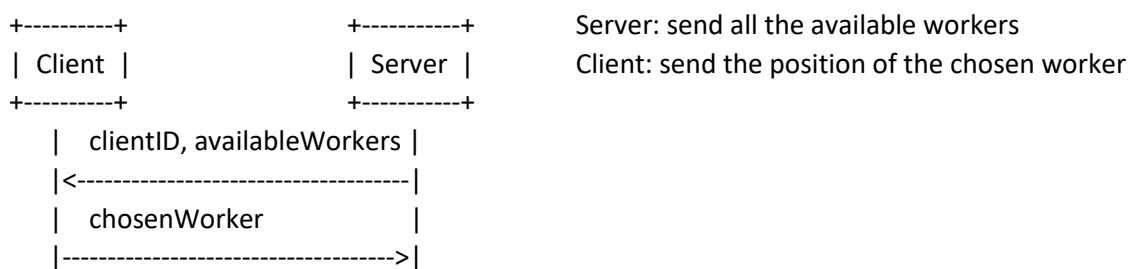
ChooseCardNotification



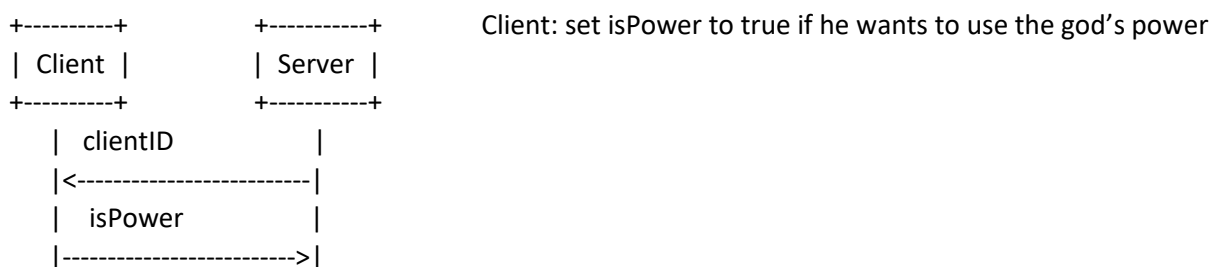
FirstPositioningNotification



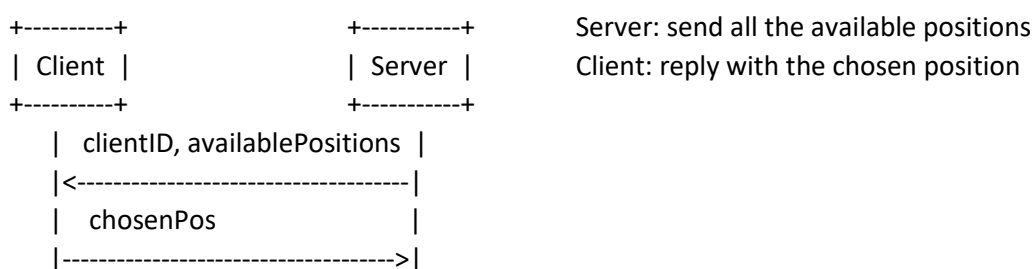
ChooseWorkerNotification



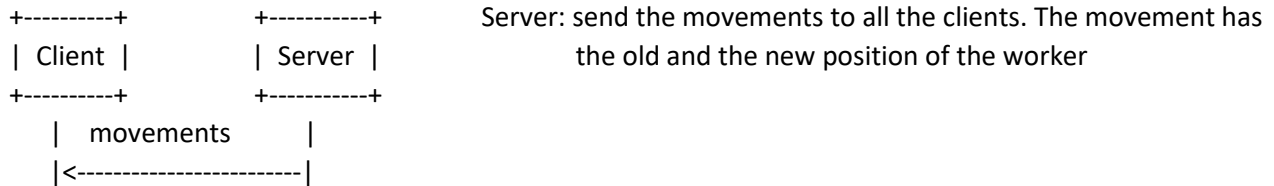
SetPowerNotification



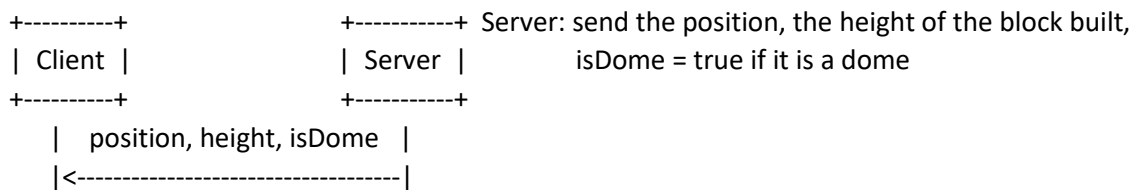
ChoosePosNotification



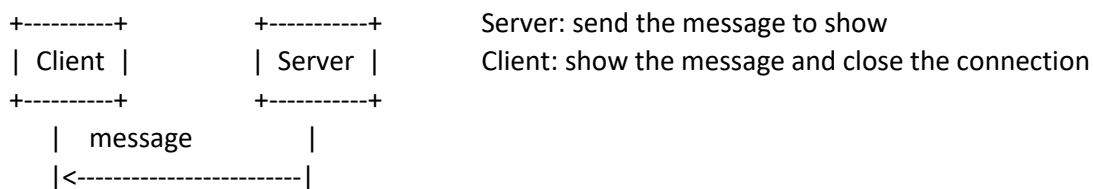
MoveNotification



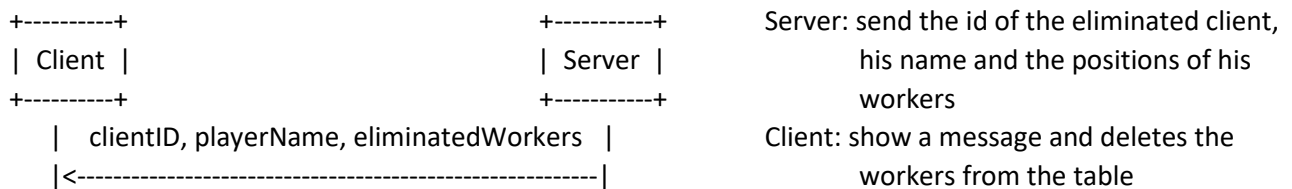
BuildNotification



DisconnectionNotification



EliminationNotification



WinNotification

