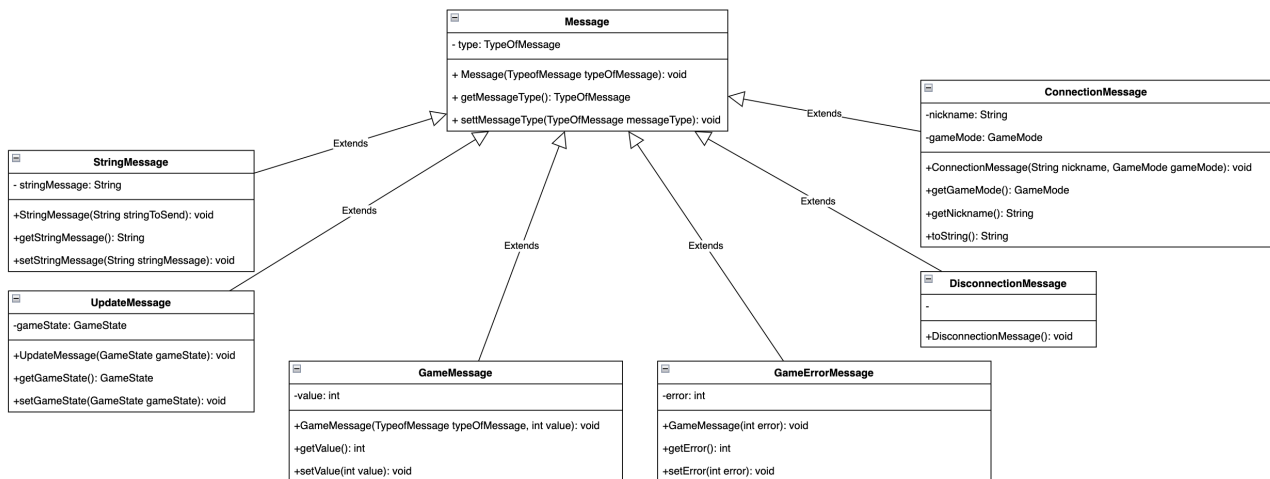


# Eryantis Protocol Documentation

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Gruppo 22

## Messages



### Message

General message from which each kind of message inherit. It is used when the only need is to specify the TypeOfMessage without further information.

#### Arguments

- TypeOfMessage: enum that describes the content of message. It can be Connection, AssistantCard, StudentColour, StudentPosition, MoveMotherNature, CharacterCard, CloudChoice, IslandChoice, Update, EndGame, Error, StringMessage, Async, Number;

#### Possible Responses

- Error: ErrorMessage with status code to display the reason of error.

### ConnectionMessage

Message sent from Client to Server when the former wants to establish a connection to create a game session.

#### Arguments

- TypeOfMessage: Connection;
- Nickname: specifies the name of the player who wants to establish a connection;
- GameMode: specifies the game mode chosen;

#### Possible Responses

- 0: the nickname is already used;
- 1: connection accepted;

## GameMessage

Message sent from the client to the server to communicate the type of move which is specified through the attribute `TypeOfMessage` and its value, specified through the attribute `Value`.

### Arguments

- TypeOfMessage: AssistantCard, StudentColour, StudentPosition, MoveMotherNature, CharacterCard, CloudChoice, IslandChoice;
- value: value of the game move;

### Possible Responses

- Update: client's choose is right; this message updates client's view.
- Error: ErrorMessage with status code to display the reason of error.

## UpdateMessage

Message sent from the server to the client to communicate the current game state.

### Arguments

- TypeOfMessage: Update;
- GameState: contains the game state.

## StringMessage

Message sent from the server to the client or viceversa to communicate a general string.

### Arguments

- TypeOfMessage: String
- StringMessage: content of the string.

## DisconnectionMessage

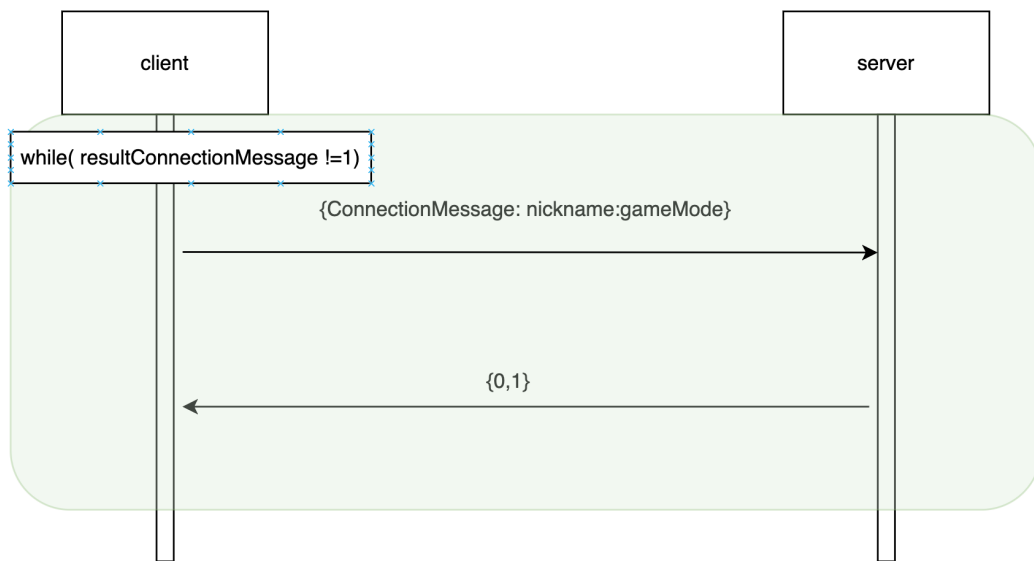
Message sent from the client to the server per communicate the client's will to disconnect.

### Arguments

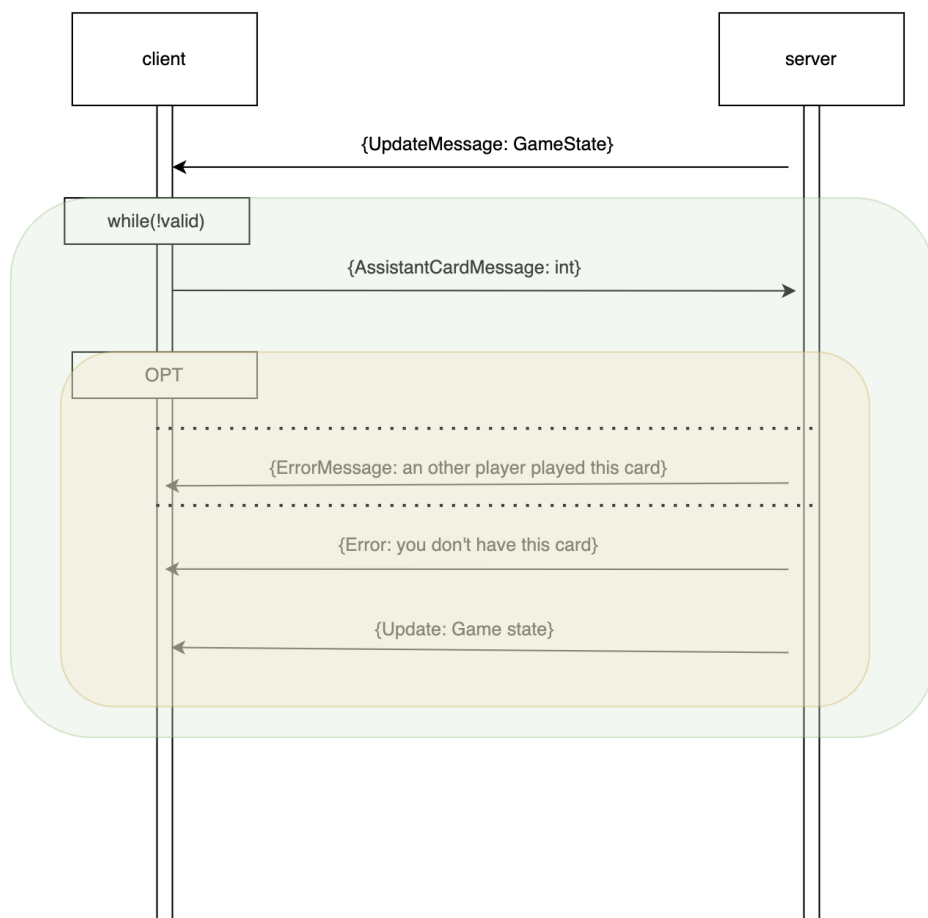
- TypeOfMessage: Disconnection

## Scenarios

### Connection

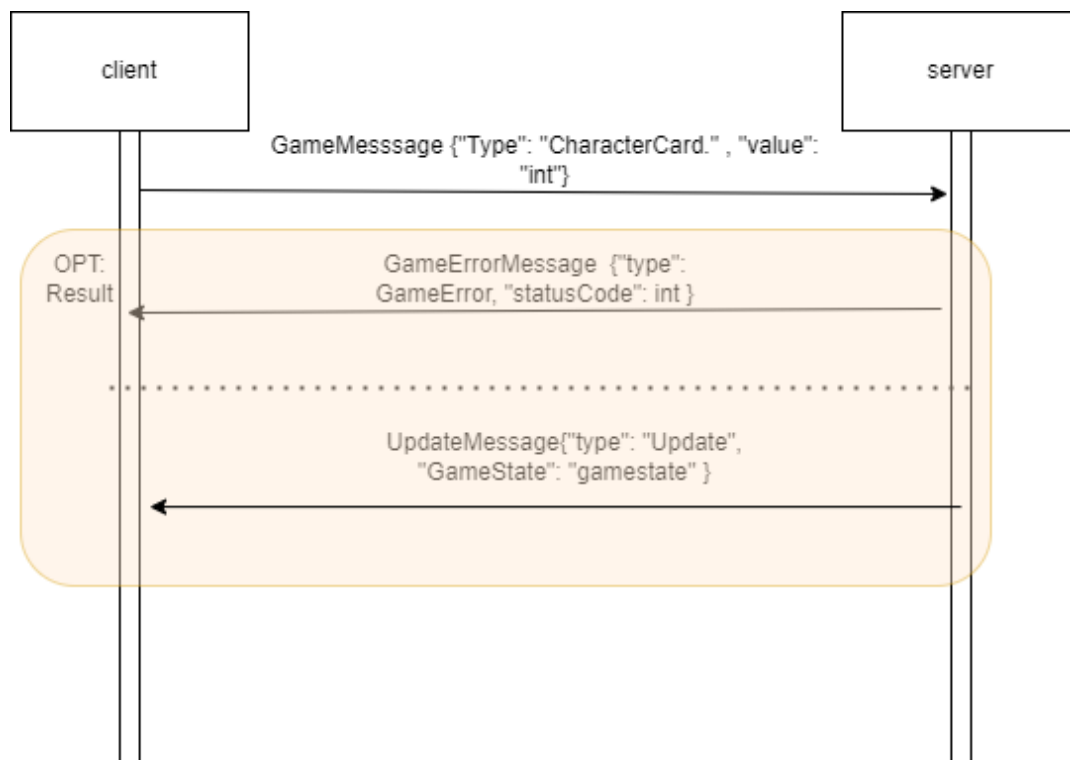
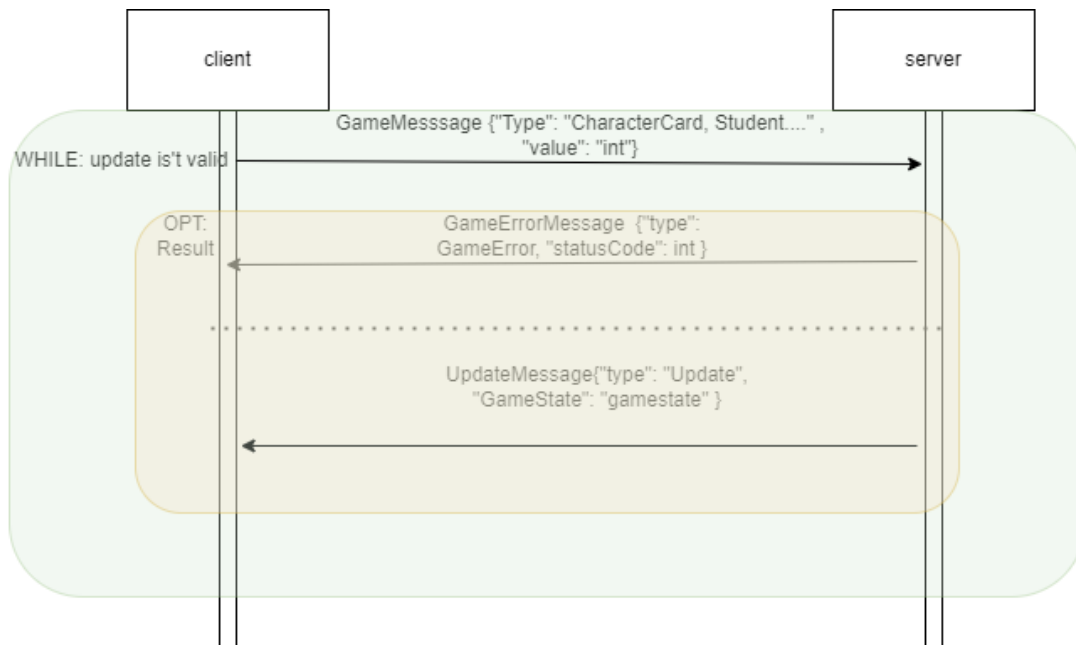


### PianificationPhase

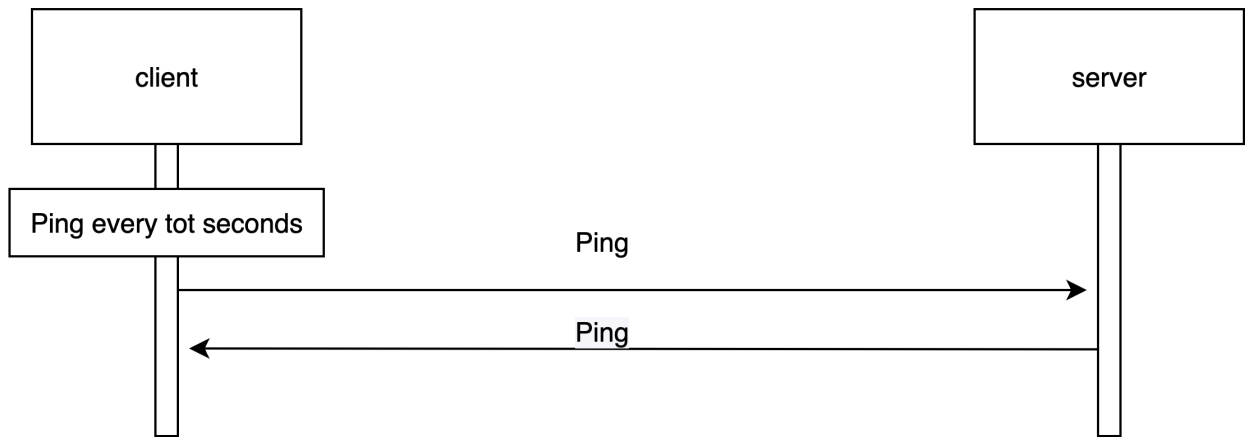


## ActionPhase

According to the message sent from the client, there will be two scenarios (the client can send a GameMove or a CharacterCard). Moreover, a Character Card can be chosen in every moment of the ActionPhase.



## Ping



## Disconnection

