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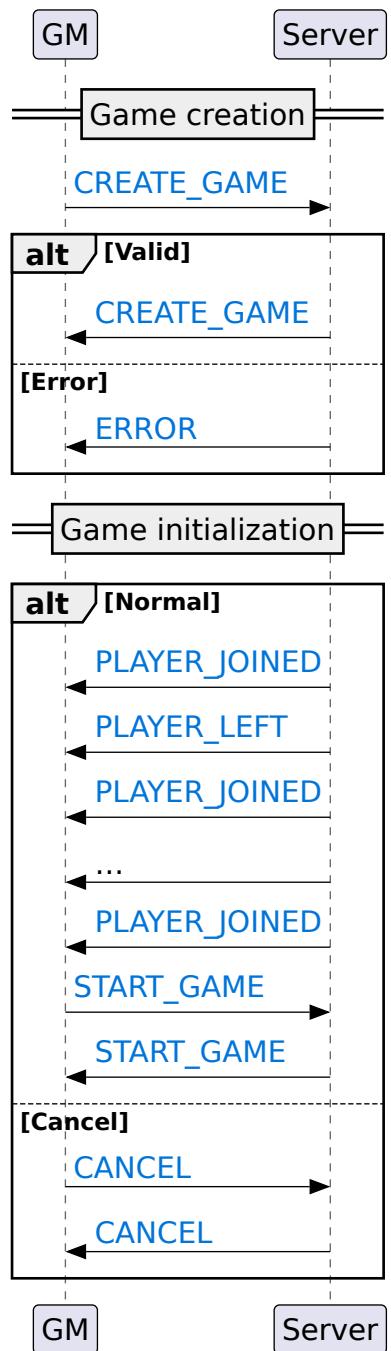
1 Spec

- All messages exchanged between the clients and the server are json encoded
- Messages have the following structure:

```
{  
    "message_type": "...",  
    "content": {  
        ...  
    }  
}
```

- The different possible messages are described in Section 3

2 GM - Server communications



3 Message description

3.1 ERROR

Message sent when a server-side error occurs (ex: wrong arguments from a client request).

```
"content": {  
    "reason": string,  
}
```

- reason: Description of the error

3.2 CREATE_GAME

3.2.1 From the client

```
"content": {  
    "n_hunter": int,  
    "n_android": int,  
    "n_ai": int,  
    "hunter_turn_duration": int,  
    "android_turn_duration": int,  
}
```

- n_hunter: Number of hunter requested by the user, ≥ 1
- n_android: Number of androids requested by the user, ≥ 1
- n_ai: Number of AIs requested by the user, ≥ 1
- hunter_turn_duration: Duration of the hunters' turns in seconds, $\geq 2\text{min}$
- android_turn_duration: Duration of the androids' turns in seconds, $\geq 2\text{min}$

3.2.2 From the server

```
"content": {  
    "game_id": string,  
}
```

- game_id: The unique id for the game created by the server, this id will be used by the players to connect to the game

3.3 PLAYER_JOINED

Message sent by the server to the GM when a player joins a lobby.

```
"content": {  
    "id": int,  
    "username": string,  
}
```

- id: The player's unique id for this game
- username: The player's username

3.4 PLAYER_LEFT

Message sent by the server to the GM when a player leaves a lobby.

```
"content": {  
    "id": int,  
    "username": string,  
}
```

- id: The player's unique id for this game
- username: The player's username

3.5 START_GAME

Not yet defined

3.6 CANCEL

Message sent by the client to cancel a starting game when in the lobby.

```
"content": {  
    "game_id": string,  
}
```

- **game_id**: The unique id for the game created by the server, this id will be used by the players to connect to the game