Package br.uneb.sis035.rmichat

Interface ChatServer

All Superinterfaces:

`Remote`

All Known Subinterfaces:

`DiscoverableChatServer`

```
public interface ChatServer
extends Remote
```

The ChatServer interface represents a server in a distributed chat system. It provides methods for registering clients, broadcasting messages, retrieving chat history, obtaining available channels, and synchronizing messages.

Method Summary

All Methods   Instance Methods   Abstract Methods

Modifier and Type	Method	Description
`void`	`broadcastMessage(Message message)`	Broadcasts a message to all clients in the specified channel.
`List <String >`	`getAvailableChannels()`	Retrieves the list of available channels.
`List <Message>`	`getChatHistory(String channel)`	Retrieves the chat history for the specified channel.
`void`	`registerClient(String channel, ChatClient client)`	Registers a client with the specified channel.

Method Details

registerClient

```
void registerClient(String  channel,
                    ChatClient client)
             throws RemoteException
```

Registers a client with the specified channel.

Parameters:

`channel` - The channel to register the client to.

`client` - The client to register.

Throws:

`RemoteException` - If an error occurs during the remote method invocation.

broadcastMessage

```
void broadcastMessage(Message message)
               throws RemoteException
```

Broadcasts a message to all clients in the specified channel.

Parameters:

`message` - The message to be broadcasted.

Throws:

`RemoteException` - If an error occurs during the remote method invocation.

getChatHistory

```
List <Message> getChatHistory(String  channel)
                      throws RemoteException
```

Retrieves the chat history for the specified channel.

Parameters:

`channel` - The channel to retrieve the chat history from.

Returns:

The list of messages representing the chat history.

Throws:

`RemoteException` - If an error occurs during the remote method invocation.

getAvailableChannels

```
List <String > getAvailableChannels()
                          throws RemoteException
```

Retrieves the list of available channels.

Returns:

The list of available channels.

Throws:

`RemoteException` - If an error occurs during the remote method invocation.