CLAIMS

1. A communication method based on a virtual role interaction interface, performed by a first terminal device and comprising:

displaying a virtual role interaction interface using a virtual role interaction application, the virtual role interaction interface comprising a simulated three-dimensional virtual space or a simulated two-dimensional virtual space, as well as a target virtual role identifier, the target virtual role identifier being used in the virtual role interaction interface to represent a target user, and uniquely identifying a target virtual role in the virtual role interaction interface, wherein each virtual role binds to at least one instant messaging application account;

characterized in that the communication method further comprises:

displaying an instant session message triggering control on the virtual role interaction interface in response to a trigger operation on the target virtual role identifier, the instant session message triggering control being configured for triggering an instant messaging application, wherein the virtual role interaction application is not the same as the instant messaging application;

displaying a message input interface in response to a trigger operation on the instant session message triggering control;

after a session message has been input in the message input interface, transmitting the session message to an instant messaging user account corresponding to the target virtual role identifier, wherein the session message is displayed on a second terminal corresponding to the instant messaging user account using the instant messaging application;

displaying a message interaction interface in the virtual role interaction application in the virtual role interaction interface; and in response to receiving a reply message transmitted by the instant messaging user account corresponding to the target virtual role identifier for any session message, displaying the reply message on the message interaction interface; and

in a case that the message interaction interface in the virtual role interaction application is exited, and the instant messaging user account corresponding to the target virtual role identifier transmits the reply message for the any session message, receiving the reply message using the instant messaging application; and after switching to the instant messaging application, displaying the reply message on a session interface of the instant messaging user account corresponding to the target virtual role identifier in the instant messaging application.

2. The communication method according to claim 1, further comprising:

displaying a function interface of the instant messaging application;

displaying, on the function interface, a session list entry of a session triggered by the virtual role interaction interface; and

displaying a session list in response to a trigger operation on the session list entry, the session list comprising the session triggered by using the virtual role interaction interface.

3. The communication method according to claim 2, further comprising:

selecting, in response to a session selection operation triggered in the session list, a target session with a target instant messaging user account from the session list, and entering a session interface of the target session; and

displaying, in a virtual role-related information display area of the session interface, related information of a virtual role corresponding to the target instant messaging user account in the virtual role interaction interface.

4. The communication method according to claim 3, further comprising:

entering a user information interface of the target instant messaging user account in response to a user information viewing operation triggered on the session interface;

displaying identity information of the target instant messaging user account on the user information interface, and displaying interface information of a virtual role interaction interface associated with the target instant messaging user account; and

subscribing, in response to a subscription operation triggered on the session interface for the interface information, to content that is published by the target instant messaging user account and that is related to an associated target interaction interface.

5. The communication method according to claim 4, wherein the identity information is different from instant messaging identity information of the target instant messaging user account, and is also different from role information of the virtual role corresponding to the target instant messaging user account in the virtual role interaction interface.

6. The communication method according to claim 4, wherein the identity information is generated by using an identity information setting operation, and the identity information setting operation comprises:

displaying an identity information input interface in response to an identity information creation operation triggered on the user information interface of the target instant messaging user account;

acquiring content inputted in the identity information input interface; and

setting, in response to an identity information confirmation operation triggered on the identity information input interface, the inputted content as the identity information of the target instant messaging user account.

7. The communication method according to claim 1, wherein displaying the instant session message triggering control on the virtual role interaction interface in response to the trigger operation on the target virtual role identifier comprises:

displaying, in the virtual role interaction interface in response to the trigger operation on the target virtual role identifier, a virtual role information interface corresponding to the target virtual role identifier;

displaying a user information interface in response to a user information query operation triggered on the virtual role information interface; and

displaying, on the user information interface, user information of the instant messaging user account corresponding to the target virtual role identifier, and displaying the instant session message triggering control.

8. The communication method according to claim 1, further comprising:

displaying a candidate pre-edited message on the message input interface;

selecting at least one pre-edited message in response to a selection operation on a displayed candidate pre-edited message; and

determining the selected pre-edited message as a session message inputted in the message input interface.

9. The communication method according to claim 8, further comprising:

displaying the session message on the instant messaging application logged in by using the instant messaging user account corresponding to the target virtual role identifier; and

binding, in response to a trigger operation on the displayed session message, a prop specified in the session message to the target virtual role identifier in the virtual role interaction interface, the prop being to be used by the target virtual role identifier in the virtual role interaction interface.

10. The communication method according to any one of claims 1 to 9, wherein the virtual role interaction application corresponding to the virtual role interaction interface comprises an instant messaging component of the instant messaging application,

wherein transmitting the session message to the instant messaging user account corresponding to the target virtual role identifier comprises:

transmitting the session message to the instant messaging user account corresponding to the target virtual role identifier through a communication channel of the instant messaging application using the instant messaging component.

11. The communication method according to claim 10, wherein transmitting the session message to the instant messaging user account corresponding to the target virtual role identifier through the communication channel of the instant messaging application using the instant messaging component comprises:

acquiring a target virtual role account of the target virtual role; and

transmitting the target virtual role account and the session message to an instant messaging server using the instant messaging component, so that the instant messaging server queries the instant messaging user account corresponding to the target virtual role account, and transmits the session message based on the instant messaging user account.

12. The communication method according to any one of claims 1 to 9, further comprising:

counting a quantity of session messages transmitted to the instant messaging user account corresponding to the target virtual role identifier in response to the instant messaging user account being a stranger account and a session with the instant messaging user account being a first session; and

prohibiting session message transmission to the instant messaging user account in a case that the quantity reaches a preset quantity and no reply message for any session message is received from the instant messaging user account.

13. A communication apparatus based on a virtual role interaction interface, the communication apparatus comprising:

a virtual role interaction interface display module, configured to display a virtual role interaction interface using a virtual role interaction application, the virtual role interaction interface comprising a simulated three-dimensional virtual space or a simulated two-dimensional virtual space, as well as a target virtual role identifier, the target virtual role identifier being used in the virtual role interaction interface to represent a target user, and uniquely identifying a target virtual role in the virtual role interaction interface, wherein each virtual role binds to at least one instant messaging application account,

characterized in that the communication apparatus further comprises:

a first response module, configured to display an instant session message triggering control on the virtual role interaction interface in response to a trigger operation on the target virtual role identifier, the instant session message triggering control being configured for triggering an instant messaging application, wherein the virtual role interaction application is not the same as the instant messaging application;

a second response module, configured to display a message input interface in response to a trigger operation on the instant session message triggering control; and

a transmitting module, configured to, after a session message has been input in the message input interface, transmit the session message to an instant messaging user account corresponding to the target virtual role identifier, wherein the session message is displayed on a second terminal corresponding to the instant messaging user account using the instant messaging application,

wherein the virtual role interaction interface display module is further configured to display a message interaction interface in the virtual role interaction application in the virtual role interaction interface; and in response to receiving a reply message transmitted by the instant messaging user account corresponding to the target virtual role identifier for any session message, display the reply message on the message interaction interface,

wherein the communication apparatus further comprises a session display module of the instant messaging application, configured to, in a case that the message interaction interface in the virtual role interaction application is exited, and the instant messaging user account corresponding to the target virtual role identifier transmits the reply message for the any session message, receive the reply message using the instant messaging application; and after switching to the instant messaging application, display the reply message on a session interface of the instant messaging user account corresponding to the target virtual role identifier in the instant messaging application.

14. The communication apparatus according to claim 13, wherein the communication apparatus further comprises a session display module of the instant messaging application; the session display module of the instant messaging application is configured to display a function interface of the instant messaging application; display, on the function interface, a session list entry of a session triggered by the virtual role interaction interface; and display a session list in response to a trigger operation on the session list entry, the session list comprising the session triggered by using the virtual role interaction interface.

15. The communication apparatus according to claim 14, wherein the session display module of

the instant messaging application is further configured to: select, in response to a session selection operation triggered in the session list, a target session with a target instant messaging user account from the session list, and enter a session interface of the target session; and display, in a virtual role-related information display area of the session interface, information related to a virtual role corresponding to the target instant messaging user account in the virtual role interaction interface.

16. The communication apparatus according to claim 14, wherein the session display module of the instant messaging application is further configured to: enter a user information interface of the target instant messaging user account in response to a user information viewing operation triggered on the session interface; display identity information of the target instant messaging user account on the user information interface, and display interface information of a virtual role interaction interface associated with the target instant messaging user account; and subscribe, in response to a subscription operation triggered on the session interface for the interface information, to content published by the target instant messaging user account and related to an associated target interaction interface.

17. A computer device, comprising a memory and one or more processors, the memory storing computer readable instructions, when executed by the processor, causing the one or more processors to perform the operations of the communication method according to any one of claims 1 to 12.

18. One or more non-volatile readable storage media that store computer readable instructions, when executed by one or more processors, causing the one or more processors to perform the operations of the communication method according to any one of claims 1 to 12.