## CLAIMS

~~What is claimed is:~~

1. A speech-to-text conversion method, applicable to at least two clients, the method comprising:

displaying, by a first client, a first user interface, the first user interface being a display screen of a virtual environment that provides a virtual activity place for a first virtual role controlled by a first user account;

displaying, by a second client, a second user interface, the second user interface being a display screen of a virtual environment that provides a virtual activity place for a second virtual role controlled by a second user account; and

displaying, by the first client, in response to a speech input operation performed on the first client, in a first language category, a chat message inputted by the first user account, and displaying, by the second client, in a second language category, the chat message transmitted by the first user account,

the first language category being a language category associated with the first user account or the first client and being determined based on version information of the first client, the second language category being a language category associated with the second user account or the second client and being determined based on version information of the second client, and text content of the chat message being recognized based on speech content inputted through the speech input operation.

2. The method according to claim 1, wherein the displaying, by the first client, in response to a speech input operation performed on the first client, in a first language category, a chat message inputted by the first user account comprises:

obtaining, by the first client, the speech content in response to the speech input operation performed on the first client;

transmitting, by the first client, the speech content to a server, for the server to generate the chat message in the first language category and the chat message in the second language category according to the speech content; and

displaying, by the first client, the chat message in the first language category after receiving the chat message that is in the first language category and that is transmitted by the server; and

the displaying, by the second client, in a second language category, the chat message transmitted by the first user account comprises:

displaying, by the second client, the chat message in the second language category after

receiving the chat message that is in the second language category and that is transmitted by the server.

3. The method according to claim 2, wherein the method further comprises at least one of the following two operations:

transmitting, by the first client, the first language category to the server; and

transmitting, by the second client, the second language category to the server.

4. The method according to claim 3, wherein the transmitting, by the first client, the first language category to the server comprises:

transmitting, by the first client, the speech content and the first language category to the server.

5. The method according to claim 3, wherein the transmitting, by the second client, the second language category to the server comprises:

receiving, by the second client, a language category obtaining request transmitted by the server; and

transmitting, by the second client, the second language category to the server according to the language category obtaining request.

6. The method according to any one of claims 1 to 5, wherein a chat control is displayed on the first client; and

the displaying, by the first client, in response to a speech input operation performed on the first client, in a first language category, a chat message inputted by the first user account, and displaying, by the second client, in a second language category, the chat message transmitted by the first user account comprises:

displaying, by the first client, the chat message in the first language category in response to a first trigger operation performed on the chat control on the first client, and displaying, by the second client, the chat message in the second language category.

7. The method according to claim 6, wherein the displaying, by the first client, the chat message in the first language category in response to a first trigger operation performed on the chat control on the first client comprises:

displaying, by the first client, a speech recording prompt at a peripheral position of the chat control on the first client in response to an input start operation performed on the chat control, the speech recording prompt being used for prompting the first client to start receiving the speech content;

canceling, by the first client, display of the speech recording prompt in response to an input end

operation performed on the chat control on the first client, for prompting the first client to end receiving the speech content; and

displaying, by the first client, the chat message in the first language category.

8. The method according to any one of claims 1 to 5, wherein the method further comprises:

canceling, by the first client, display of the chat message in a case that a display time of the chat message displayed in the first language category reaches a preset duration; or

canceling, by the first client, display of the chat message in response to a first display cancel operation.

9. The method according to any one of claims 1 to 5, wherein the method further comprises:

canceling, by the second client, display of the chat message in a case that a display time of the chat message displayed in the second language category reaches a preset duration; or

canceling, by the second client, display of the chat message in response to a second display cancel operation.

10. The method according to any one of claims 1 to 5, wherein the method further comprises:

displaying, by the second client, in response to the speech input operation performed on the first client, in the first language category and the second language category, the chat message transmitted by the first user account.

11. A speech-to-text conversion method, applicable to a first terminal, the method comprising:

displaying a first user interface, the first user interface being a display screen of a virtual environment that provides a virtual activity place for a first virtual role controlled by a first user account;

displaying, in response to a speech input operation performed on a first client, in a first language category, a chat message inputted by the first user account; and

transmitting the chat message to a second terminal, for a second client on the second terminal to display, in a second language category, the chat message transmitted by the first user account,

the first language category being a language category associated with the first user account or the first client and being determined based on version information of the first client, the second language category being a language category associated with the second user account or the second client and being determined based on version information of the second client, and text content of the chat message being recognized based on speech content inputted through the speech input operation.

12. A speech-to-text conversion method, applicable to a server, the method comprising:

receiving speech content transmitted by a first client;

determining a first language category and a second language category, the first language category being a language category associated with a first user account or the first client and being determined based on version information of the first client, the first user account being used for controlling a first virtual role in a virtual activity place in a virtual environment provided by the first client, and the second language category being a language category associated with a second user account or a second client and being determined based on version information of the second client, the second user account being used for controlling a second virtual role in a virtual activity place in a virtual environment provided by the second client;

converting the speech content into a chat message in the first language category according to the speech content and the first language category, text content of the chat message being recognized based on the speech content;

translating to obtain a chat message in the second language category according to the chat message in the first language category and the second language category; and

transmitting the chat message in the second language category to the second client.

13. The method according to claim 12, wherein the determining a first language category and a second language category comprises:

receiving the first language category transmitted by the first client;

transmitting a language category obtaining request to the second client; and

receiving the second language category transmitted by the second client.

14. A speech-to-text conversion system, comprising a first apparatus and a second apparatus, the system comprising:

the first apparatus, configured to display a first user interface, the first user interface being a display screen of a virtual environment that provides a virtual activity place for a first virtual role controlled by a first user account; and

the second apparatus, configured to display a second user interface, the second user interface being a display screen of a virtual environment that provides a virtual activity place for a second virtual role controlled by a second user account,

the first apparatus being further configured to display, in response to a speech input operation

performed on the first apparatus, in a first language category, a chat message inputted by the first user account, the first language category being a language category associated with the first user account or the first apparatus and being determined based on version information of the first apparatus, and text content of the chat message being recognized based on speech content inputted through the speech input operation; and

the second apparatus being further configured to display, in a second language category, the chat message transmitted by the first user account, the second language category being a language category associated with the second user account or the second apparatus and being determined based on version information of the second apparatus.

15. The system according to claim 14, wherein the first apparatus is further configured to obtain the speech content in response to the speech input operation performed on the first apparatus; transmit the speech content to a server, the server being configured to generate the chat message in the first language category and the chat message in the second language category according to the speech content; and display the chat message in the first language category after receiving the chat message transmitted by the server.

16. The system according to claim 14 or 15, wherein the first apparatus is further configured to display a speech recording prompt at a peripheral position of a chat control on the first apparatus in response to an input start operation performed on the chat control on the first apparatus, the speech recording prompt being used for prompting the first apparatus to start receiving the speech content; and cancel display of the speech recording prompt in response to an input end operation performed on the chat control on the first apparatus, for prompting the first apparatus to end receiving the speech content.

17. A speech-to-text conversion apparatus, applicable to a first terminal, the apparatus comprising:

a display module, configured to display a first user interface, the first user interface being a display screen of a virtual environment that provides a virtual activity place for a first virtual role controlled by a first user account,

the display module being further configured to display, in response to a speech input operation performed on a first client, in a first language category, a chat message inputted by the first user account; and

a transmission module, configured to transmit the chat message to a second terminal, for a second client on the second terminal to display, in a second language category, the chat message

transmitted by the first user account,

the first language category being a language category associated with the first user account or the first client and being determined based on version information of the first client, the second language category being a language category associated with the second user account or the second client and being determined based on version information of the second client, and text content of the chat message being recognized based on speech content inputted through the speech input operation.

18. A speech-to-text conversion apparatus, comprising:

a receiving module, configured to receive speech content transmitted by a first client,

the receiving module being further configured to determine a first language category and a second language category, the first language category being a language category associated with a first user account or the first client and being determined based on version information of the first client, the first user account being used for controlling a first virtual role in a virtual activity place in a virtual environment provided by the first client, and the second language category being a language category associated with a second user account or a second client and being determined based on version information of the second client, the second user account being used for controlling a second virtual role in a virtual activity place in a virtual environment provided by the second client;

a conversion module, configured to convert the speech content into a chat message in the first language category according to the speech content and the first language category, text content of the chat message being recognized based on the speech content;

a translation module, configured to translate to obtain a chat message in the second language category according to the chat message in the first language category and the second language category; and

a transmission module, configured to transmit the chat message in the second language category to the second client.

19. A computer device, comprising a memory and one or more processors, the memory storing computer program, the computer-readable instructions, when executed by the one or more processors, causing the one or more processors to implement the operations of the method according to any one of claims 1 to 13.

20. One or more non-volatile computer-readable storage media, storing computer program, the computer-readable instructions, when executed by one or more processors, causing the one or more processors to perform the operations of the method according to any one of claims 1 to 13.