

CLAIMS

1. A method for augmented reality-based multi-person offline interaction, the method comprising:

5 scanning an offline service flag preset in a target site, wherein the offline service flag is used for triggering multi-person offline service interaction;

sending a first preset message to a server terminal, wherein the first preset message carries information corresponding to the offline service flag and identification information of a user, so that the server terminal establishes, based on the information corresponding to the offline service
10 flag, a service association between the user and a second user that performs scanning on the preset offline service flag; and

receiving service data pushed by the server terminal, and outputting, based on the service data, a corresponding service interactive interface at a position corresponding to the offline service flag in an augmented reality scenario.

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2. The method of claim 1, further comprising:

acquiring a target object predetermined by the user for a designated contact in the service interactive interface; and

uploading the target object predetermined by the user for the designated contact, identification information of the designated contact, and identification information of a target site
20 corresponding to the predetermined target object to the server terminal, so that the server terminal establishes an association relationship among the identification information of the designated contact, the target object predetermined for the designated contact, and the identification information of the target site.

3. The method of claim 1, further comprising:

uploading to the server terminal a target object selected by the user when the user performs offline service interaction in the service interactive interface; and

receiving a target object that is selected by the second user when the second user performs
5 offline service interaction in the service interactive interface and pushed by the server terminal.

4. The method of claim 3, further comprising:

synchronously displaying, in the augmented reality scenario, the target objects selected by the user and the second user in the service interactive interface.

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5. The method of claim 4, further comprising:

uploading a position of the user to the server terminal in real time; and

receiving a notification message pushed by the server terminal when second user
predetermines a target object for the user in a target site and the server terminal determines,
15 based on the position of the user, that a distance between the user and the target site is less than a
preset threshold, wherein the notification message is used for prompting that second user has
predetermined a target object for the user in the target site.

6. The method of claim 4, further comprising:

20 sending a second preset message to the server terminal after the user performs image
scanning on a site flag of the target site, wherein the second preset message carries image
information corresponding to the site flag, so that the server terminal queries for label data
corresponding to the site flag after recognizing the image information;

receiving the label data corresponding to the site flag pushed by the server terminal; and
displaying the label data at a position corresponding to the site flag in the augmented reality
scenario.

5 7. The method of claim 6, wherein the second preset message further carries the
identification information of the user, so that the server terminal searches, based on the
identification information of the user, a visitor database of the target site for contact information
associated with the user.

10 8. The method of claim 7, further comprising:
receiving the contact information associated with the user pushed by the server terminal;
and
displaying the contact information associated with the user at the position corresponding to
the site flag in the augmented reality scenario.

15 9. The method of claim 6, wherein the second preset message further carries the
identification information of the user, so that the server terminal queries for, based on an
identification of the user, a target object predetermined by the second user for the user.

20 10. The method of claim 9, further comprising:
receiving the target object that is predetermined by the second user for the user and pushed
by the server terminal; and
displaying the target object predetermined by the second user for the user at the position

corresponding to the site flag in the augmented reality scenario.

11. The method of claim 3, wherein the preset offline service flag comprises multiple offline service flags for triggering a same offline service.

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12. The method of claim 11, wherein synchronously displaying, in the augmented reality scenario, the target objects selected by the user and the second user in the service interactive interface comprises:

recognizing and positioning, in the augmented reality scenario, offline service flags on
10 which the user and the second user perform image scanning; and

synchronously displaying, at positions corresponding to the offline service flags on which the user and the second user perform image scanning respectively in the augmented reality scenario, the target objects selected by the user and the second user in the service interactive interface.

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13. The method of claim 3, wherein synchronously displaying, in the augmented reality scenario, the target objects selected by the user and the second user in the service interactive interface comprises:

recognizing and positioning faces of the user and the second user in the augmented reality
20 scenario; and

synchronously displaying, at positions corresponding to the faces of the user and the second user in the augmented reality scenario, the target objects selected by the user and the second user in the service interactive interface.

14. The method of claim 3, wherein:

the offline service comprises an offline food-ordering service;

the service interactive interface comprises a food-ordering interface;

5 the target object comprises dishes selected by the user in the food-ordering interface; and

the target site comprises an offline restaurant.

15. A system for augmented reality-based multi-person offline interaction, the system comprising a plurality of modules configured to perform the method of any one of claims 1 to

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