CLAIMS

1. A method for performing a settlement, the method comprising:

performing, by an entrance device at an entrance of a store, an entry process to obtain i) an account identifier of a user and ii) a first biometric feature of the user, wherein performing the entry process comprises

a) sending, by the entrance device and to a user terminal, a request for the account identifier of the user, wherein the account identifier of the user is allocated to the user by a third party server that manages i) an account corresponding to the account identifier and ii) a third biometric feature of the user associated with the account identifier, wherein the third biometric feature of the user comprises a biometric feature uploaded by the user associated with the account identifier when the user registers a corresponding user account,

b) in response to sending the request for the account identifier of the user, receiving (S102), by the entrance device and from the user terminal, the account identifier of the user,

c) obtaining (S102), by the entrance device, the first biometric feature of the user,

d) determining, by the entrance device, whether the first biometric feature is valid, the determining comprising i) searching, by the entrance device and using the third party server, for the third biometric feature associated with the account identifier and ii) if the first biometric feature matches the third biometric feature, determining that the first biometric feature is valid, and

e) in response to determining that the first biometric feature is valid, i) establishing (S104), by the entrance device, a correspondence between the first biometric feature and the account identifier, ii) storing the first biometric feature, the account identifier, and the correspondence in a storage device;

performing, by a settlement device at an exit of the store, a settlement using the user account, wherein performing the settlement comprises

a) collecting (S106), by the settlement device, a second biometric feature of the user,

b) determining (S108), by the settlement device and based on the stored first biometric feature, account identifier, and correspondence, the account identifier that is stored in

the storage device and that corresponds to the first biometric feature, wherein the first biometric feature matches the second biometric feature, and

c) performing (S110), by the settlement device, the settlement using the determined account identifier.

2. The method according to claim 1, wherein the storage device is included in the entrance device.

3. The method according to claim 1, wherein the third party server comprises a third party payment platform.

4. The method according to claim 1, wherein performing the entry process further comprises:

detecting, by a human body sensor in an entrance turnstile included in the entrance device, that a user is close to the entrance turnstile; and

in response to detecting that the user is close to the entrance turnstile, sending the request for the account identifier of a user and receiving the account identifier of the user.

5. The method according to claim 1 or claim 4, wherein performing the entry process further comprises:

based on establishing the correspondence between the first biometric feature and the account identifier, controlling an entrance to be open.

6. The method according to any one of claim 1 or claim 5, wherein the first biometric feature comprises a first facial feature.

7. The method according to claim 6, wherein obtaining, by the entrance device, the first biometric feature of the user comprises: collecting, by the entrance device, the first biometric feature of the user using a camera.

8. The method according to claim 1, wherein determining whether the first biometric feature is valid further comprises:

in response to determining that the first biometric feature does not match the third biometric feature, determining that the first biometric feature is invalid.

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

determining, based on a pre-stored first biometric feature, a pre-stored account identifier, and a pre-stored correspondence between the first biometric feature and the account identifier, the account identifier corresponding to the first biometric feature that matches the second biometric feature.

10. The method according to any one of claims 1 to 9, wherein performing settlement using the determined account identifier comprises:

identifying a product carried by the user; and

performing, using an account corresponding to the determined account identifier, settlement on the product carried by the user.

11. The method according to claim 10, wherein the product comprises a radio frequency identification tag and the settlement device comprises an radio frequency identification reader, and wherein identifying a product carried by the user comprises:

reading product information in an radio frequency identification tag in a settlement area using the radio frequency identification reader, wherein the product information comprises a product price, and

the radio frequency identification tag in the settlement area is the radio frequency identification tag attached to the product carried by the user in the settlement area.

12. The method according to claim 11, wherein performing, using an account corresponding to the determined account identifier, settlement on the product carried by the user comprises:

calculating a settlement amount corresponding to the product carried by the user based on the product price comprised in the read product information; and

performing settlement based on the settlement amount using the account corresponding to the determined account identifier.

13. A system for performing a settlement, the system comprising:

an entrance device configured to perform an entry process to obtain i) an account identifier of a user and ii) a first biometric feature of the user, wherein performing the entry process comprises

a) sending, to a user terminal, a request for the account identifier of the user, wherein the account identifier of the user is allocated to the user by a third party server that manages i) an account corresponding to the account identifier, and ii) a third biometric feature of the user associated with the account identifier, wherein the third biometric feature of the user comprises a biometric feature uploaded by the user associated with the account identifier when the user registers a corresponding user account,

b) receiving, from the user terminal, the account identifier of the user,

c) obtaining a first biometric feature of the user,

d) determining whether the first biometric feature is valid, the determining comprising i) searching, by the entrance device and using the third party server, for the third biometric feature associated with the account identifier and ii) if the first biometric feature matches the third biometric feature, determining that the first biometric feature is valid,

e) establishing a correspondence between the first biometric feature and the account identifier, and

f) sending the first biometric feature, the account identifier, and the correspondence to a storage device, wherein the storage device is configured to receive and store the first biometric feature, the account identifier, and the correspondence; and

a settlement device configured to perform a settlement using the user account, wherein performing the settlement comprises

a) collecting a second biometric feature of the user,

b) determining, based on the first biometric feature, the account identifier, and the correspondence that are stored in the storage device, the account identifier corresponding to the first biometric feature that matches the second biometric feature, and

c) performing settlement using the determined account identifier.

14. The system according to claim 13, wherein the settlement device is further configured to perform the method according to any one of claims 9 to 12.

15. The system according to claim 13, wherein the entrance device is further configured to perform the method according to any one of claims 2 to 8.