CLAIMS

What is claimed is:

1. A payment method, comprising:

receiving a payment instruction sent by a first user by scanning an order QR code, wherein the order QR code is generated based on a first order corresponding to a target product, and the first order is generated based on a purchase operation performed by a second user for the target product;

determining whether the first order is in an occupied state by determining whether a current time point is earlier than a non-occupiable time point, wherein the non-occupiable time point is used to represent a time point that is set when a payment instruction is received at a previous time, and determining that the first order is not in the occupied state if it is determined that the current time point is not earlier than the non-occupiable time point;

setting the first order to an occupied state, wherein a payment instruction of a user other than the first user is rejected to be executed when the first order is in the occupied state;

determining whether the first order is in a payable state;

creating, when the first order is in the payable state, a second order of the first user based on an order identifier of the first order in the occupied state, wherein even if the second order fails to be paid for or an error occurs, a status of the first order is not affected, and a status of the order QR code corresponding to the first order is not affected; and

performing a payment operation based on the second order.

2. The payment method according to claim 1, before the setting the first order to an occupied state, further comprising:

determining whether the first order is in the occupied state; and

performing the step of setting the first order to the occupied state if it is determined that the first order is not in the occupied state.

3. The payment method according to claim 2, wherein the determining whether the first order is in the occupied state specifically comprises:

determining whether a data row, in a database, that the first order is located in is locked; and

determining that the first order is not in the occupied state if it is determined that the data row is not locked.

4. The payment method according to claim 2, wherein the determining whether the first order is in the occupied state specifically comprises:

determining whether a current time point is earlier than a non-occupiable time point, wherein the non-occupiable time point is used to represent a time point that is set when a payment instruction is received at a previous time; and

determining that the first order is not in the occupied state if it is determined that the current time point is not earlier than the non-occupiable time point.

5. The payment method according to claim 1, wherein the setting the first order to an occupied state comprises:

locking a data row, in a database, that the first order is located in.

6. The payment method according to claim 1, wherein the setting the first order to an occupied state comprises:

setting a non-occupiable time point to a sum of a current time point and a predetermined non-occupiable time parameter, wherein the non-occupiable time point is used to represent a time point that a payment instruction of a user other than the first user can be executed at.

7. The payment method according to claim 2, wherein prompt information indicating that the first order is being processed is sent to the first user if it is determined that the first order is in the occupied state.

8. The payment method according to claim 3, wherein the determining whether the first order is in the occupied state further comprises:

determining whether the data row, in the database, that the first order is located in is locked after a predetermined waiting time interval if it is determined that the data row is locked; and

determining that the first order is in the occupied state if the data row, in the database, that the first order is located in is locked after the predetermined waiting time interval.

9. The payment method according to any one of claims 1 to 8, before the creating a second order of the first user based on an order identifier of the first order in the occupied state, further comprising:

determining whether the current time point is earlier than a non-payable time point; and

determining that the first order is not in a payment process if it is determined that the current time point is not earlier than the non-payable time point, wherein

the operation of creating the second order of the first user based on the order identifier of the first order in the occupied state can be performed when the first order is not in the payment process.

10. The payment method according to claim 9, further comprising:

determining that the first order is in the payment process if it is determined that the current time point is earlier than the non-payable time point; and

sending, to the first user, prompt information indicating that the first order is being paid for.

11. The payment method according to claim 1, before the creating a second order of the first user based on an order identifier of the first order in the occupied state, further comprising:

determining that the first order is not in a payable state if it is determined that the first order has been paid for; or

determining that the first order is in the payable state if it is determined that the first order is not paid for, wherein

the second order of the first user can be created based on the order identifier of the first order in the occupied state when the first order is in the payable state.

12. The payment method according to claim 1, before the creating a second order of the first user based on an order identifier of the first order in the occupied state, further comprising:

determining that the first order is in a payable state if it is determined that a transaction corresponding to the first order is in an unclosed state; or

determining that the first order is not in the payable state if it is determined that the transaction corresponding to the first order is in a closed state.

13. The payment method according to claim 11, further comprising:

sending, to the first user, a prompt message indicating that the first order has been paid for if it is determined that the first order is not in the payable state.

14. The payment method according to claim 12, further comprising:

sending, to the first user, a prompt message indicating that the first order cannot be paid for if it is determined that the first order is not in the payable state.

15. The payment method according to claim 1, wherein the performing a payment operation based on the second order specifically comprises:

sending a payment code of the second order to a unified payment platform, wherein the unified payment platform can generate payment redirect page address information based on the payment code of the second order and payment platform information of an application used by the first user to scan the order QR code, and send the payment redirect page address information to the application, so that the first user performs the payment operation in a payment interface popped up by the application based on the payment redirect page address information.

16. The payment method according to claim 15, further comprising:

receiving an acceptance message returned by the unified payment platform; and

unlocking a data row, in a database, that the first order is located in.

17. The payment method according to claim 9, further comprising:

updating the non-payable time point based on a predetermined payment time parameter after an acceptance message returned by a unified payment platform is received.

18. The payment method according to claim 1, further comprising:

setting the first order to a paid state after it is determined that the first user successfully performs payment.

19. The payment method according to claim 1, further comprising:

obtaining a corresponding cancelation time point that the first user cancels the payment operation at if it is determined that the first user cancels the payment operation; and

setting the non-payable time point to the cancelation time point if it is determined that the cancelation time point is earlier than the non-payable time point.

20. The payment method according to claim 1, wherein the order identifier of the first order has a mapping relationship with an order identifier of the second order.

21. A payment apparatus, comprising:

a receiving module, configured to receive a payment instruction sent by a first user by scanning an order QR code, wherein the order QR code is a QR code generated based on a first order corresponding to a target product, and the first order is generated based on a purchase operation performed by a second user for the target product;

a setting module, configured to determine whether the first order is in an occupied state by determining whether a current time point is earlier than a non-occupiable time

point, wherein the non-occupiable time point is used to represent a time point that is set when a payment instruction is received at a previous time, determine that the first order is not in the occupied state if it is determined that the current time point is not earlier than the non-occupiable time point, and set the first order to an occupied state, wherein a payment instruction of a user other than the first user is rejected to be executed when the first order is in the occupied state;

a creation module, configured to determine whether the first order is in a payable state, and, when the first order is in the payable state, create a second order of the first user based on an order identifier of the first order in the occupied state, wherein even if the second order fails to be paid for or an error occurs, a status of the first order is not affected, and a status of the order QR code corresponding to the first order is not affected; and

a third-party payment module, configured to perform a payment operation based on the second order.

22. An electronic device, comprising:

at least one processor; and

a memory communicatively connected to the at least one processor, wherein

the memory stores instructions that can be executed by the at least one processor, and the instructions are executed by the at least one processor, so that the at least one processor can:

receive a payment instruction sent by a first user by scanning an order QR code, wherein the order QR code is a QR code generated based on a first order corresponding to a target product, and the first order is generated based on a purchase operation performed by a second user for the target product;

determine whether the first order is in an occupied state by determining whether a current time point is earlier than a non-occupiable time point, wherein the non-occupiable time point is used to represent a time point that is set when a payment instruction is received at a previous time, and determine that the first order is not in the occupied state if it is determined that the current time point is not earlier than the non-occupiable time point;

set the first order to an occupied state, wherein a payment instruction of a user other than the first user is rejected to be executed when the first order is in the occupied state;

determine whether the first order is in a payable state;

create, when the first order is in the payable state, a second order of the first user based on an order identifier of the first order in the occupied state, wherein even if the second order fails to be paid for or an error occurs, a status of the first order is not affected, and a status of the order QR code corresponding to the first order is not affected; and

perform a payment operation based on the second order.

23. A computer-readable medium, storing computer-readable instructions, wherein the computer-readable instructions can be executed by a processor to implement the payment method according to any one of claims 1 to 20.