CLAIMS

What is claimed is:

1. A method for performing product checkout in a self-service shop, wherein the method comprises:

scanning (110), by a client (13), a product barcode (12) attached on a product (11) to enter a shopping cart interface (14) displayed on the client (13) and add the product (11) to a shopping cart, wherein the shopping cart interface (14) is used to display product information of the shopping cart obtained through barcode scanning and the client (13) is a customer terminal associated with a customer, wherein the scanning (110), by a client (13), a product barcode (12) attached on a product (11) to enter a shopping cart interface (14) displayed on the client (13) and add the product to a shopping cart comprises sending current location information of the client (13) to a checkout server;

sending (120), by the client (13), a checkout request to the checkout server when obtaining a checkout instruction, wherein the checkout request carries the product information of the shopping cart;

generating (130), by the checkout server, a payment code based on the product information of the shopping cart when receiving the checkout request, and pushing the payment code to a checkout terminal, comprising:

determining, by the checkout server based on the location information of the client when receiving the checkout request, the shop in which the client is currently located; and

generating, by the checkout server, the payment code based on the product information of the shopping cart, and pushing the payment code to a checkout terminal in the determined shop; and

displaying (140), by the checkout terminal, the received payment code, so that the client (13) scans the payment code to complete payment.

2. The method according to claim 1, wherein the method further comprises:

performing, by the checkout terminal, risk detection when receiving the payment code scanned by the client to perform payment; and

notifying a shop staff member when there is a risk.

3. The method according to claim 2, wherein the risk detection specifically comprises:

obtaining and recognizing products that are to be actually checked out by the customer and that are photographed by a photographing device; and

determining that there is a risk when the products to be actually checked out by the customer are different from products in the shopping cart.

4. The method according to claim 3, wherein the method further comprises:

when the products to be actually checked out by the customer are the same as the products in the shopping cart, determining whether a specified product exists in the products to be actually checked out by the customer; and

determining that there is a risk when the specified product exists in the products to be actually checked out by the customer.

5. The method according to claim 2, wherein the risk detection specifically comprises:

obtaining a first total weight, detected by a weighing device, of products to be actually checked out by the customer;

calculating a second total weight based on weights and a quantity of products in the shopping cart; and

determining that there is a risk when an absolute value of a difference between the first total weight and the second total weight exceeds a threshold.

6. The method according to claim 2, wherein the risk detection specifically comprises:

recognizing products corresponding to radio frequency identification tags on products to be actually checked out by the customer; and

determining that there is a risk when the products corresponding to the radio frequency identification tags are different from products in the shopping cart.

7. A computer program product comprising one or more units (410 – 440) comprising instructions which, when executed by one or more processors, cause the one or more processors to carry out the method according to any preceding claim.

8. A system, comprising:

one or more processors; and

memory configured to store instructions executable by the one or more processors which, when executed by the one or more processors, cause the one or more processors to implement the method according to any one of claims 1 to 6.