

CLAIMS

What is claimed is:

1. A data processing method, comprising the following:

providing a service code management interface;

5 receiving a specified quantity of a plurality of scannable service code that is input by a user in the service code management interface;

generating the specified quantity of the plurality of scannable service codes, wherein the specified quantity of the plurality of scannable service codes comprise the same user identification information; ~~and~~

10 displaying the specified quantity of the plurality of scannable service codes on a user mobile terminal;

determining that a first service code of the displayed plurality of scannable service codes has been scanned by a transportation station-entry toll terminal at an entry station;

generating and displaying a first label indicating that the first service code is in a first payment status, wherein the first payment status comprises a payment opening status that indicates that the user financial account starts being charged;

determining that a second service code of the displayed plurality of scannable service codes has been scanned by a transportation station-exit toll terminal at an exit station; and

20 generating and displaying a second label indicating that the second service code is in a second payment status, wherein the second payment status comprises a payment end status that indicates that a final payment amount is to be deducted from the user financial account.

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

after receiving a first label generation instruction for a first service code, generating a first label for the first service code, wherein the first label is used to indicate that a service order represented by the first service code is in a charging state; and

displaying the first label.

30 3. The method according to claim 2, wherein each service code further comprises order identification information; correspondingly, the first label generation instruction is generated after tolling start information is received; and the tolling start information comprises order identification information in the first service code.

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

after receiving a second label generation instruction for a second service code, generating a second label for the second service code, wherein the second label is used to indicate that a service order represented by the second service code is in a payment end state; and

displaying the second label.

5. The method according to claim 4, wherein each service code further comprises order identification information; correspondingly, the second label generation instruction is generated after payment result information is received; and the payment result information comprises order identification information in the second service code.

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

after receiving a third label generation instruction for a third service code, generating a third label for the third service code, wherein the third label is used to indicate that a service order represented by the third service code is in a canceled state; and

displaying the third label.

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

after receiving an enlarged display instruction for a fourth service code, entering an enlarged display interface for enlarged display of the fourth service code.

8. The method according to claim 1, wherein at least one service code in the specified quantity of the plurality of scannable service codes has a label; correspondingly, the method further comprises the following:

after receiving a label broadcast instruction for a fifth service code, broadcasting a label that the fifth service code has.

9. The method according to claim 1, wherein each service code further comprises order identification information; and order identification information in different service codes is different.

10. A data processing apparatus, comprising the following:

a providing unit, configured to provide a service code management interface;

a receiving unit, configured to receive a specified quantity of a plurality of scannable service code that is input by a user in the service code management interface;

a generating unit, configured to generate the specified quantity of the plurality of scannable service codes, wherein the specified quantity of the plurality of scannable service codes comprise the same user identification information; ~~and~~

5 a displaying unit, configured to display the specified quantity of the plurality of scannable service codes on a user mobile terminal;

a first determining unit, configured to determine that a first service code of the displayed plurality of scannable service codes has been scanned by a transportation station-entry toll terminal at an entry station;

10 a first generating and displaying unit, configured to generate and display a first label indicating that the first service code is in a first payment status, wherein the first payment status comprises a payment opening status that indicates that the user financial account starts being charged;

15 a second determining unit, configured to determine that a second service code of the displayed plurality of scannable service codes has been scanned by a transportation station-exit toll terminal at an exit station; and

a second generating and displaying unit, configured to generate and display a second label indicating that the second service code is in a second payment status, wherein the second payment status comprises a payment end status that indicates that a final payment amount is to be deducted from the user financial account.

20 11. A terminal device, comprising the following:

a displaying component, configured to display a service code management interface and a service code; and

25 a processor, coupled to the displaying component, and configured to: control the displaying component to display the service code management interface; receive a specified quantity of a plurality of scannable service code that is input by a user in the service code management interface; generate the specified quantity of the plurality of scannable service codes, wherein the specified quantity of the plurality of scannable service codes comprise the same user identification information; ~~and~~ control the displaying component to display the specified quantity of the plurality of scannable service codes on a user mobile terminal; determine that a first service code of the displayed plurality of scannable service codes has been scanned by a transportation station-entry toll terminal at an entry station; generate and control the displaying component to display a first label indicating that the first service code is in a first payment status, wherein the first payment status comprises a payment opening status

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- that indicates that the user financial account starts being charged; determine that a second service code of the displayed plurality of scannable service codes has been scanned by a transportation station-exit toll terminal at an exit station; and generate and control the displaying component to display a second label indicating that the second
- 5 service code is in a second payment status, wherein the second payment status comprises a payment end status that indicates that a final payment amount is to be deducted from the user financial account.