determine whether the prepaid card needs to be funded;

if the prepaid card needs to be funded, retrieve, based on the received card data, funding data of at least one funding account and historical data associated with the prepaid card from the database;

receive, from the terminal, a selection of the funding account to fund the prepaid card;

determine a funding value for funding the prepaid card based on the historical data; and

authorise the funding of the prepaid card using funding data of the selected funding account and the determined funding value.

[0007] The computer module may be further configured to:

receive, from the terminal, funding data of the at least one funding account; and

store the funding data at the database, such that the funding data is retrievable for funding the prepaid card.

[0008]

[0009] The funding account may comprise a reward account for holding one or more rewards redeemable for funding the prepaid card.

[0010] The funding account may comprise one of the following: a bank account, an online payment account, a credit card account, a debit card account and a digital wallet account.

[0011] The computer module may be further configured to:

retrieve historical data comprising historical commuting data associated with the prepaid card from the database; and

determine the funding value for funding the prepaid card based on the historical commuting data.

[0012] The computer module may be further configured to:

retrieve historical data comprising historical funding values associated with the prepaid card from the database; and determine the funding value for funding the prepaid card based on the historical funding values.

[0013] The computer module may be further configured to process an authentication input from a cardholder of the prepaid card to authorise the funding of the prepaid card.

[0014] The computer module may be further configured to transmit the funding data retrieved from the database to a payment network to authorise the funding of the prepaid card.

[0015] The computer module may be further configured to retrieve balance details associated with the prepaid card based on the received card data to determine whether the prepaid card needs to be funded.

[0016] The computer module may be further configured to:

display, at the terminal, a confirmation message after determining that the prepaid card needs to be funded; and

retrieve funding data associated with the prepaid card after receiving a cardholder response to the confirmation message.

[0017] According to a second aspect of the present invention, there is provided a method for funding a prepaid card, the method comprising the steps of:

receiving, from a terminal, card data stored on the prepaid card;

determining whether the prepaid card needs to be funded;

if the prepaid card needs to be funded, retrieving, based on the received card data, funding data of at least one funding account and historical data associated with the prepaid card from a database;

receiving, from the terminal, a selection of the funding account to fund the prepaid card;

determining a funding value for funding the prepaid card based on the historical data; and

authorising the funding of the prepaid card using funding data of the selected funding account and the determined funding value.

[0018] According to a third aspect of the present invention, there is provided a system for funding a prepaid card, comprising:

a database; and

a computer module in communication with the database, an entrance terminal and an exit terminal, wherein the entrance and exit terminals are configured to read card data stored on the prepaid card, and wherein the computer module is configured to:

receive, from the entrance terminal, card data stored on the prepaid card and information of a departing station;

receive, from the exit terminal, card data stored on the prepaid card and information of an arriving station;

determine a fare payable based on information of the departing and arriving stations;

determine whether the prepaid card needs to be funded;

if the prepaid card needs to be funded, retrieve, based on the received card data, funding data of at least one funding account associated with the prepaid card from the database;

receive, from one of entrance terminal and exit terminal, a selection of the funding account to fund the prepaid card; and

authorise the funding of the prepaid card using funding data of the selected funding account and the determined fare.

[0019] The computer module may be further configured to:

receive, from one of the entrance terminal and exit terminal, funding data of the at least one funding account; and

store the funding data at the database, such that the funding data is retrievable for funding the prepaid card.

[0020]

[0021] The funding account may comprise a reward account for holding one or more rewards redeemable for funding the prepaid card.

[0022] The funding account may comprise one of the following: a bank account, an online payment account, a credit card account, a debit card account and a digital wallet account.

[0023] The computer module may be further configured to process an authentication input from a cardholder of the prepaid card to authorise the funding of the prepaid card.

[0024] The computer module may be further configured to transmit the funding data retrieved from the database to a payment network to authorise the funding of the prepaid card.

[0025] According to a fourth aspect of the present invention, there is provided a method for funding a prepaid card, the method comprising the steps of:

receiving, from an entrance terminal, card data stored on the prepaid card and information of a departing station;

receiving, from an exit terminal, card data stored on the prepaid card and information of an arriving station;

determining a fare payable based on information of the departing and arriving stations;

determining whether the prepaid card needs to be funded;

if the prepaid card needs to be funded, retrieving, based on the received card data, funding data of at least one funding account associated with the prepaid card from a database;

receiving, from one of entrance terminal and exit terminal, a selection of the funding account to fund the prepaid card; and

authorising the funding of the prepaid card using funding data of the selected funding account and the determined fare.

BRIEF DESCRIPTION OF THE DRAWINGS

[0026] Embodiments of the invention are provided by way of example only, and will be better understood and readily apparent to one of ordinary skill in the art from the following written description and the drawings, in which:

[0027] Figure 1 shows a diagram illustrating a system and method for funding a prepaid card in accordance with an example embodiment.

[0028] Figure 2 shows a flow chart illustrating a method for funding a prepaid card in accordance with an example embodiment.

[0029] Figure 3 shows a flow chart illustrating a method for funding a prepaid card in accordance with a further example embodiment.

[0030] Figure 4 shows a schematic diagram illustrating a computer suitable for implementing the system and method of the example embodiments.

DETAILED DESCRIPTION

Overview

[0031] Various embodiments provide systems and methods for funding a prepaid card.

CLAIMS

1. A system for funding a prepaid card, comprising:

a database; and

a computer module in communication with the database and a terminal, wherein the terminal is configured to read card data stored on the prepaid card, and wherein the computer module is configured to:

receive, from the terminal, card data stored on the prepaid card;

determine whether the prepaid card needs to be funded;

if the prepaid card needs to be funded, retrieve, based on the received card data, funding data of at least one funding account and historical data associated with the prepaid card from the database;

receive, from the terminal, a selection of the funding account to fund the prepaid card;

determine a funding value for funding the prepaid card based on the historical data; and

authorise the funding of the prepaid card using funding data of the selected funding account and the determined funding value.

2. The system as claimed in claim 1, wherein the computer module is further configured to:

receive, from the terminal, funding data of the at least one funding account; and

store the funding data at the database, such that the funding data is retrievable for funding the prepaid card.

3. The system as claimed in claim 1, wherein the funding account comprises a reward account for holding one or more rewards redeemable for funding the prepaid card.

4. The system as claimed in claim 1, wherein the funding account comprises one of the following: a bank account, an online payment account, a credit card account, a debit card account and a digital wallet account.

5. The system as claimed in any one of the preceding claims, wherein the computer module is further configured to retrieve historical data comprising historical commuting data associated with the prepaid card from the database; and

determine the funding value for funding the prepaid card based on the historical commuting data.

6. The system as claimed in any one of claims 1 to 4, wherein the computer module is further configured to retrieve historical data comprising historical funding values associated with the prepaid card from the database; and

determine the funding value for funding the prepaid card based on the historical funding values.

7. The system as claimed in any one of the preceding claims, wherein the computer module is further configured to process an authentication input from a cardholder of the prepaid card to authorise the funding of the prepaid card.

8. The system as claimed in any one of the preceding claims, wherein the computer module is further configured to transmit the funding data retrieved from the database to a payment network to authorise the funding of the prepaid card.

9. The system as claimed in any one of the preceding claims, wherein the computer module is further configured to retrieve balance details associated with the prepaid card based on the received card data to determine whether the prepaid card needs to be funded.

10. The system as claimed in any one of the preceding claims, wherein the computer module is further configured to:

display, at the terminal, a confirmation message after determining that the prepaid card needs to be funded; and

retrieve funding data associated with the prepaid card after receiving a cardholder response to the confirmation message.

11. A method for funding a prepaid card, the method comprising the steps of:

receiving, from a terminal, card data stored on the prepaid card;

determining whether the prepaid card needs to be funded;

if the prepaid card needs to be funded, retrieving, based on the received card data, funding data of at least one funding account and historical data associated with the prepaid card from a database;

receiving, from the terminal, a selection of the funding account to fund the prepaid card;

determining a funding value for funding the prepaid card based on the historical data; and

authorising the funding of the prepaid card using funding data of the selected funding account and the determined funding value.

12. A system for funding a prepaid card, comprising:

a database; and

a computer module in communication with the database, an entrance terminal and an exit terminal, wherein the entrance and exit terminals are configured to read card data stored on the prepaid card, and wherein the computer module is configured to:

receive, from the entrance terminal, card data stored on the prepaid card and information of a departing station;

receive, from the exit terminal, card data stored on the prepaid card and information of an arriving station;

determine a fare payable based on information of the departing and arriving stations;

determine whether the prepaid card needs to be funded;

if the prepaid card needs to be funded, retrieve, based on the received card data, funding data of at least one funding account associated with the prepaid card from the database;

receive, from one of entrance terminal and exit terminal, a selection of the funding account to fund the prepaid card; and

authorise the funding of the prepaid card using funding data of the selected funding account and the determined fare.

13. The system as claimed in claim 12, wherein the computer module is further configured to:

receive, from one of the entrance terminal and exit terminal, funding data of the at least one funding account; and

store the funding data at the database, such that the funding data is retrievable for funding the prepaid card.

14. The system as claimed in claim 12, wherein the funding account comprises a reward account for holding one or more rewards redeemable for funding the prepaid card.

15. The system as claimed in claim 12, wherein the funding account comprises one of the following: a bank account, an online payment account, a credit card account, a debit card account and a digital wallet account.

16. The system as claimed in any one of the claims 12 to 15, wherein the computer module is further configured to process an authentication input from a cardholder of the prepaid card to authorise the funding of the prepaid card.

17. The system as claimed in any one of claims 12 to 16, wherein the computer module is further configured to transmit the funding data retrieved from the database to a payment network to authorise the funding of the prepaid card.

18. A method for funding a prepaid card, the method comprising the steps of:

receiving, from an entrance terminal, card data stored on the prepaid card and information of a departing station;

receiving, from an exit terminal, card data stored on the prepaid card and information of an arriving station;

determining a fare payable based on information of the departing and arriving stations;

determining whether the prepaid card needs to be funded;

if the prepaid card needs to be funded, retrieving, based on the received card data, funding data of at least one funding account associated with the prepaid card from a database;

receiving, from one of entrance terminal and exit terminal, a selection of the funding account to fund the prepaid card; and

authorising the funding of the prepaid card using funding data of the selected funding account and the determined fare.