

## CLAIMS

1. A server configured for multi-merchant orders, comprising:
  - one or more processor(s); and
  - a memory having instructions stored therein, the instructions, when executed by the one or more processor(s), cause the one or more processor(s) to:
    - receive in real time, a first merchant data from a user device of a user when the user device is displaying information from a first merchant;
    - determine at least one suitable merchant to display on the user device of the user using the first merchant data and historical data in a database;
    - display information of the at least one suitable merchant on the user device of the user;
    - receive a user order from the user, wherein the user order comprises a first order data regarding a first item from the first merchant, and a second order data regarding a second item from a second merchant; and
    - send the user order to a service provider device of a service provider for the service provider to pick up the first item from the first merchant, and the second item from the second merchant, and to deliver the first item and the second item to the user at a same time;
    - wherein prior to receiving the user order from the user, the one or more processor(s) is configured to receive from the user device of the user, information regarding a virtual cart of the user;
    - wherein the virtual cart comprises information regarding potential items to be checked out;
    - wherein the one or more processor(s) is configured to receive from a second user device of a second user, information regarding an item that the second user adds to the virtual cart using the second user device, and update the virtual cart displayed on the user device of the user; and
    - wherein the one or more processor(s) is configured to receive the user order from the user when the user checks out items from the virtual cart.
2. The server of claim 1, wherein the one or more processor(s) is configured to determine the at least one suitable merchant based on at least one of: a location of the first

merchant, a category of items sold by the first merchant, a preparation time of the first merchant, and user preferences.

3. The server of claim 2, wherein the one or more processor(s) is configured to determine the at least one suitable merchant by:

determining the location of the first merchant through the first merchant data or through the historical data in the database;

searching the historical data in the database for at least one potential merchant, wherein the at least one potential merchant has a location that is within a distance threshold from the location of the first merchant; and

setting the at least one potential merchant as the at least one suitable merchant to display on the user device of the user.

4. The server of claim 2, wherein the one or more processor(s) is configured to determine the at least one suitable merchant by:

determining the location of the first merchant through the first merchant data or through the historical data in the database;

searching the historical data in the database for at least one potential merchant, wherein a time taken to travel between the at least one potential merchant and the first merchant is within a time threshold; and

setting the at least one potential merchant as the at least one suitable merchant to display on the user device of the user.

5. The server of claim 2, wherein the one or more processor(s) is configured to determine the at least one suitable merchant by:

determining the category of items sold by the first merchant through the first merchant data or through the historical data in the database;

searching the historical data in the database for at least one potential merchant that is selling a similar category of items as the category of items sold by the first merchant; and

setting the at least one potential merchant as the at least one suitable merchant to display on the user device of the user.

6. The server of claim 2, wherein the one or more processor(s) is configured to determine the at least one suitable merchant by:

determining the category of items sold by the first merchant through the first merchant data or through the historical data in the database;

searching the historical data in the database for at least one potential merchant that is selling a complementary category of items as the category of items sold by the first merchant; and

setting the at least one potential merchant as the at least one suitable merchant to display on the user device of the user.

7. The server of claim 2, wherein the one or more processor(s) is configured to determine the at least one suitable merchant by:

determining the preparation time of the first merchant through the first merchant data;

searching the historical data in the database for at least one potential merchant with a historical preparation time that is within a preparation time threshold compared to the preparation time of the first merchant;

sending a preparation time information request to a device of the at least one potential merchant;

receiving a preparation time of the at least one potential merchant from the device of the at least one potential merchant;

determining if the preparation time of the at least one potential merchant is within the preparation time threshold compared to the preparation time of the first merchant; and

setting the at least one potential merchant as the at least one suitable merchant to display on the user device of the user when the preparation time of the at least one potential merchant is within the preparation time threshold.

8. The server of claim 2, wherein the one or more processor(s) is configured to determine the at least one suitable merchant by:

searching the historical data in the database for the user preferences;

searching the historical data in the database for at least one potential merchant that matches the user preferences; and

setting the at least one potential merchant as the at least one suitable merchant to display on the user device of the user.

9. A method for multi-merchant orders comprising:
  - using one or more processor(s) of a server to:
    - receive in real time, a first merchant data from a user device of a user when the user device is displaying information from a first merchant;
    - determine at least one suitable merchant to display on the user device of the user using the first merchant data and historical data in a database;
    - display information of the at least one suitable merchant on the user device of the user;
    - receive a user order from the user, wherein the user order comprises a first order data regarding a first item from the first merchant, and a second order data regarding a second item from a second merchant; and
    - send the user order to a service provider device of a service provider for the service provider to pick up the first item from the first merchant, and the second item from the second merchant, and to deliver the first item and the second item to the user at a same time;
    - wherein prior to receiving the user order from the user, the one or more processor(s) is configured to receive from the user device of the user, information regarding a virtual cart of the user;
    - wherein the virtual cart comprises information regarding potential items to be checked out;
    - wherein the one or more processor(s) is configured to receive from a second user device of a second user, information regarding an item that the second user adds to the virtual cart using the second user device, and update the virtual cart displayed on the user device of the user; and
    - wherein the one or more processor(s) is configured to receive the user order from the user when the user checks out items from the virtual cart.

10. The method of claim 9, comprising:
  - using the one or more processor(s) to:

determine the at least one suitable merchant based on at least one of: a location of the first merchant, a category of items sold by the first merchant, a preparation time of the first merchant, and user preferences.

11. The method of claim 10, comprising:

using the one or more processor(s) to determine the at least one suitable merchant by:

determining the location of the first merchant through the first merchant data or through the historical data in the database;

searching the historical data in the database for at least one potential merchant, wherein the at least one potential merchant has a location that is within a distance threshold from the location of the first merchant; and

setting the at least one potential merchant as the at least one suitable merchant to display on the user device of the user.

12. The method of claim 10, comprising:

using the one or more processor(s) to determine the at least one suitable merchant by:

determining the location of the first merchant through the first merchant data or through the historical data in the database;

searching the historical data in the database for at least one potential merchant, wherein a time taken to travel between the at least one potential merchant and the first merchant is within a time threshold;

setting the at least one potential merchant as the at least one suitable merchant to display on the user device of the user.

13. The method of claim 10, comprising:

using the one or more processor(s) to determine the at least one suitable merchant by:

determining the category of items sold by the first merchant through the first merchant data or through the historical data in the database;

searching the historical data in the database for at least one potential merchant that is selling a similar category of items as the category of items sold by the first merchant; and

setting the at least one potential merchant as the at least one suitable merchant to display on the user device of the user.

14. The method of claim 12, comprising:

using the one or more processor(s) to determine the at least one suitable merchant by:

determining the category of items sold by the first merchant through the first merchant data or through the historical data in the database;

searching the historical data in the database for at least one potential merchant that is selling a complementary category of items as the category of items sold by the first merchant; and

setting the at least one potential merchant as the at least one suitable merchant to display on the user device of the user.

15. The method of claim 10, comprising:

using the one or more processor(s) to determine the at least one suitable merchant by:

determining the preparation time of the first merchant through the first merchant data;

searching the historical data in the database for at least one potential merchant with a historical preparation time that is within a preparation time threshold compared to the preparation time of the first merchant;

sending a preparation time information request to a device of the at least one potential merchant;

receiving a preparation time of the at least one potential merchant from the device of the at least one potential merchant;

determining if the preparation time of the at least one potential merchant is within the preparation time threshold compared to the preparation time of the first merchant; and

setting the at least one potential merchant as the at least one suitable merchant to display on the user device of the user when the preparation time of the at least one potential merchant is within the preparation time threshold.

16. The method of claim 10, comprising:

using the one or more processor(s) to determine the at least one suitable merchant by:

- searching the historical data in the database for the user preferences;
- searching the historical data in the database for at least one potential merchant that matches the user preferences; and
- setting the at least one potential merchant as the at least one suitable merchant to display on the user device of the user.

17. A non-transitory computer-readable medium storing computer executable code comprising instructions for multi-merchant orders according to any one of claims 1 to 16.

18. A computer executable code comprising instructions for multi-merchant orders according to any one of claims 1 to 17.