

THE FOLLOWING IS CLAIMED:

1. A method for executing a multi-restaurant order, the method comprising:
receiving a multi-restaurant order, the multi-restaurant order comprising requesting a plurality of order items associated with a plurality of restaurants from at least one customer;
calculating a first time latency to begin preparing a first order item associated with a first restaurant;
calculating a second time latency to begin preparing a second order item associated with a second restaurant;
comparing the first time latency and the second time latency;
scheduling, based on the comparing, a first time to begin preparation of the first order item and a second time to begin preparation of the second order item;
transmitting the first time to begin preparation to the first restaurant;
transmitting the second time to begin preparation to the second restaurant; and
calculating a plurality of proposed pickup times, based on the scheduling, of the first order item and the second order item.
2. The method of claim 1, wherein receiving the multi-restaurant request further comprises receiving at least one of the following:
at least one delivery address;
payment information of the at least one customer;
contact information of the at least one customer;
a desired delivery time; and
desired service options.
3. The method of claim 2, further comprising receiving a completion indicator upon a completed delivery from a delivery provider to a customer of the multi-restaurant order.
4. The method of claim 3, further comprising transmitting payment from the customer to at least one of the following based on the completion indicator:
the first restaurant;
the second restaurant; and

the delivery provider.

5. The method of claim 1, further comprising: receiving an indication from the first restaurant as to a delay in first time associated with the preparation of the first order item.

6. The method of claim 5, further comprising: recalculating and adjusting the second time associated with the preparation of the second order item.

7. The method of claim 6, further comprising: recalculating the proposed pick up times.

8. A method for scheduling a plurality of delivery provider, the method comprising:

receiving plurality of pickup times and a delivery time threshold for a multi-restaurant order, the multi-restaurant request comprising a request of a first order item associated with a first restaurant, and a request of a second order item associated with a second restaurant;

analyzing the following:

geolocation data of the first restaurant and the second restaurant,

a plurality of distances from the first restaurant, the second restaurant,

and the at least one delivery location, and

a plurality of food parameters of the first order item and the second order item;

requesting, based on the analyzing, one or more delivery providers, wherein requesting comprises determining a quantity of delivery providers to dispatch in order to deliver the first food item and the second food time with the following conditions:

a delivery of the first order item and the second order item at relatively the same time, and

a delivery of the first order item and the second order item within the delivery time threshold; and

assigning, upon an acceptance by the one or more delivery providers of the requesting, the plurality of pickup times and the at least one delivery time to the at least one delivery provider.

9. The method of claim 8, further comprising calculating the plurality of pick-up times based on at least one internal and at least one external parameter.

10. The method of claim 9, wherein calculating the plurality of pick-up times based on the least one internal parameter comprises calculating the plurality of pick-up times based on a preparation time associated with each order item.

11. The method of claim 10, wherein calculating the plurality of pick-up times based on the least one external parameter comprises calculating the plurality of pick-up times based on: a delivery route and the delivery time threshold.

12. The method of claim 8, receiving an indication of at least one of the following:

a delay in a preparation time of at least one of the following: the first order item and the second order item, and
a change in traffic patterns.

13. The method of claim 12, further comprising: recalculating the plurality of pick-up times.

14. The method of claim 13, wherein recalculating the plurality of pick-up times comprises changing an order of pick up for the order items.

15. The method of claim 12, further comprising: assigning at least one additional delivery provider in order to deliver the first food item and the second food time with the following conditions:

the delivery of the first order item and the second order item at relatively the same time, and

the delivery of the first order item and the second order item within the delivery time threshold.

16. The method of claim 8, wherein requiring confirmation of at least one prerequisite item relating to the multi-restaurant order comprises requiring at least one of the following:

- at least one thermal container;
- at least one chafing apparatus;
- at least one cooler; and
- at least one storage apparatus.

17. The method of claim 8, wherein analyzing the plurality of food parameters of the first order item and the second order item comprises comparing the following:

- a requested aspect of the first order item;
- a requested aspect of the second order item; and
- the at least one delivery time.

18. The method of claim 8, further comprising prioritizing the plurality of pickup times and the plurality of delivery times based on at least one of the following:

- calculated cooldown times for hot order items;
- calculated heat up times for cold order items;
- distance between at least one pickup location and at least one delivery location;
- traffic conditions between the at least one pickup location and the at least one delivery location; and
- weather conditions between the at least one pickup location and the at least one delivery location.

19. The method of claim 8, wherein the requesting further comprises requiring a confirmation of a predetermined dispatch time availability of the at least one delivery provider.

20. The method of claim 8, further comprising receiving a payment from the multi-restaurant order.

21. The method of claim 8, further comprising receiving inventory availability from the first restaurant and the second restaurant.

22. The method of claim 21, further comprising updating the multi-restaurant order based on the inventory availability of the first restaurant and the second restaurant.

23. A method for executing a multi-restaurant order with a third-party delivery platform, the method comprising:

receiving plurality of pickup times and a delivery threshold time for a multi-restaurant order, the multi-restaurant request comprising a request of a first order item associated with a first restaurant, and a request of a second order item associated with a second restaurant;

analyzing the following:

geolocation data of the first restaurant and the second restaurant,

a plurality of distances from the first restaurant, the second restaurant, and the at least one delivery location, and

a plurality of food parameters of the first order item and the second order item; and

transmitting, based on the analyzing, a request to a third-party delivery platform to perform a plurality of pickups and at least one delivery relating to the multi-restaurant order.

24. The method of claim 8, further comprising calculating the plurality of pick-up times based on at least one internal and at least one external parameter.

25. The method of claim 9, wherein calculating the plurality of pick-up times based on the least one internal parameter comprises calculating the plurality of pick-up times based on a preparation time associated with each order item.

26. The method of claim 10, wherein calculating the plurality of pick-up times based on the least one external parameter comprises calculating the plurality of pick-up times based on: a delivery route and the delivery time threshold.

27. The method of claim 8, receiving an indication of at least one of the following:

- a delay in a preparation time of at least one of the following: the first order item and the second order item, and
- a change in traffic patterns.

28. The method of claim 12, further comprising: recalculating the plurality of pick-up times.

29. The method of claim 13, wherein recalculating the plurality of pick-up times comprises changing an order of pick up for the order items.

30. The method of claim 12, further comprising: assigning at least one additional delivery provider in order to deliver the first food item and the second food time with the following conditions:

- the delivery of the first order item and the second order item at relatively the same time, and

- the delivery of the first order item and the second order item within the delivery time threshold.