What is claimed is :

1. A computer-implemented method for providing customizable automated prescheduled transportation dispatching, the method comprising:

receiving, by a server, zone data associated with a plurality of preset driver service zones, wherein each preset driver service zone is defined by one or more geographic regions;

receiving, by the server, a plurality of preset driver preferences or limitations of a plurality of drivers;

receiving, by the server, a plurality of optionally preset customer preferences of a plurality of customers;

storing, in a database, the plurality of preset driver service zones, the plurality of preset driver preferences or limitations, and the plurality of optionally preset customer preferences;

receiving, by the server, a plurality of service requests for prescheduling, wherein each service request corresponds to one of the plurality of customers and contains time-location data associated with at least a pick-up location and a drop-off location;

parsing, by the server, the plurality of service requests into one or more batches, wherein each batch corresponds to a respective preset driver service zone and includes one or more of the plurality of service requests having pick-up and drop-off locations both within the respective preset driver service zone;

prescheduling the plurality of service requests by, for each of the one or more batches:

(i) retrieving, from the database, a set of the plurality of drivers associated with the respective preset driver service zone corresponding to the batch;

(ii) automatically establishing, by the server, in accordance with the one or more predetermined rules, for each respective service request of the batch, a weighted priority for each driver of the set, wherein the weighted priority is based on assigned weights for at least one service relevant factor associated with the respective service request, and wherein the at least one service relevant factor includes at least one of the plurality of preset driver preferences or limitations or at least one of the optionally preset customer preferences of the customer corresponding to the service request; and

(iii) applying, by the server, the one or more predetermined rules to assign a driver from the set to the respective service request based on the weighted priority of the driver;

transmitting, by the server to a computing device of a particular driver, a dispatch notification which includes one or more assigned service requests; and

receiving, by the server from the computing device of the particular driver, an acceptance of at least one of the assigned service requests.

2. The method according to claim 1, wherein each of the one or more predetermined rules comprises a rule criteria and a rule function.

3. The method according to claim 2, wherein the one or more predetermined rules comprise default rules and preferential rules, wherein the preferential rules are preset by at least one of a customer or a driver and have priority over the default rules, and wherein the default rules or the preferential rules dictate the assigned weights for each of the at least one service relevant factor.

4. The method according to claim 1, wherein the plurality of preset driver service zones are received by the server from a plurality of driver computing devices, and the plurality of driver computing devices are configured to allow the plurality of drivers to select the preset driver service zone to which the driver is assigned.

5. The method according to claim 1, further comprising:

receiving an input from one or more computing devices of the plurality of drivers, the input comprising the plurality of preset driver service zones or the plurality of preset driver preferences or limitations, wherein the plurality of preset driver preferences or limitations comprise at least one or more personal limitations or one or more regulatory limitations; and

storing the input by dynamically updating the database with respect to the plurality of preset driver preferences or limitations.

6. The method according to claim 1,

wherein at least one preset driver service zone is defined by a geographic service region selectable, via at least one of a plurality of driver computing devices, from at least one of: one or more streets, one or more neighborhoods, one or more zip codes, one or more towns or villages, one or more cities, one or more boroughs, one or more counties, or one or more states.

7. The method according to claim 6, further comprising:

displaying, on at least one of the plurality of driver computing devices, an electronic map display divided into a plurality of clickable geographic regions corresponding to the plurality of preset driver service zones, wherein each clickable geographic region is selectable by a driver to input a preset driver service zone.

8. The method according to claim 1, further comprising:

displaying, on one or more customer computing devices, an interactive electronic interface; and

prompting one or more customers to provide one or more of the optionally preset customer preferences as required customer preferences, wherein the optionally preset customer preferences comprise preferences related to at least one of: a type of driver, a type of vehicle, make and model of vehicle, vehicle seating capacity, vehicle space capacity, vehicle weight capacity, wheelchair accessibility, baby seat availability, accommodation for pets, language ability, gender, driving experience, familiarity with the route, experience handling certain types of goods, accommodation for fragile goods or goods requiring special packaging, delivery method, or one or more other attributes of the type of driver or the type of vehicle.

9. The method according to claim 1, further comprising:

generating, by the server, a data table for a particular batch, the data table including, for each service request of the particular batch, in accordance with the one or more predetermined rules, a ranked compatibility of each of the set of the plurality of drivers based on the weighted priority of each driver of the set and another factor comprising at least one of: availability of each driver of the set to accept the service request, a driver type, one or more sets of indicators defining the service relevant factors, or a customer type.

10. The method according to claim 9, wherein the driver type comprises a favorite driver, a preferred driver, or a regular driver, and wherein the customer type comprises a favorite customer, a preferred customer, or a regular customer.

11. The method according to claim 10, further comprising:

determining, based on the weighted priority of each driver in the set for a particular service request, a top priority favorite driver or a top priority preferred driver and a subsequent favorite driver or a subsequent preferred driver; and

assigning the service request to the subsequent favorite driver or the subsequent preferred driver in response to the top favorite driver or the top preferred driver being unavailable, wherein a favorite driver is assigned a higher weight than a preferred driver and a preferred driver is assigned a higher weight than a regular driver.

12. The method according to claim 1, further comprising:

retrieving, from the database, a set of historical global positioning system (GPS) location data associated with at least a portion of historical service data for one or more of the plurality of drivers, wherein the GPS location data is received from a GPS receiver associated with one or more driver computing devices of the plurality of drivers; and

calculating a level of familiarity with a route of at least one of the respective service requests for at least one driver of the plurality of drivers by (i) comparing a set of GPS location data for the route of the respective service request with the set of historical GPS location data, and (ii) determining a matching relationship between the set of GPS location data for the route of the respective service request and the set of historical GPS location data, wherein the level of familiarity is calculated by determining an amount of overlap between a route of the respective service request and route data associated with at least one of the set of the plurality of drivers; and

displaying, on at least one customer compting device, the amount as at least one of: a tier, a range of tiers, a grade, a range of grades, a score, a range of scores, a percentage, a range of percentages, or a depiction or illustration, wherein at least one of the service relevant factors comprise the level of familiarity.

13. The method according to claim 1, further comprising:

in response to one or more service requests remaining unassigned or not accepted by at least one driver, storing the one or more unassigned or not accepted service requests in a job pool, the job pool accessible by at least one or more available drivers via one or more driver computing devices;

displaying the one or more unassigned service requests with one or more customer indicators on the one or more driver computing devices, wherein the one or more customer indicators correspond to a customer associated with the one or more unassigned or not accepted service requests;

receiving a selection of the one or more unassigned service requests in the job pool by an available driver; and

updating the job pool in response to the selection.

14. The method according to claim 13, wherein the one or more customer indicators identify the service relevant factors associated with the unassigned or not accepted service requests.

15. The method according to claim 1, further comprising:

receiving, from the driver assigned to at least one service request, an indication of inability by the driver to complete the at least one service request, and receiving from the driver a request to transfer the at least one service request to a partner driver;

transmitting, to the partner driver, a request to transfer the at least one service request;

receiving acceptance of the request to transfer the at least one service request from the partner driver; and

updating the database to indicate transfer of the at least one service request to the partner driver.

16. A computer-implemented system for providing customizable automated prescheduled transportation dispatching, the system comprising:

a server communicatively coupled to one or more computing devices via a network, wherein the one or more computing devices include one or more location identifiers configured to generate location data corresponding to one or more locations, and wherein the server includes at least one non-transitory computer-readable storage medium with computer-readable instructions stored therein, a database, and a processor for executing the computer-readable instructions to:

receive, by the server, zone data associated with a plurality of preset driver service zones, wherein each preset driver service zone is defined by one or more geographic regions;

receive, by the server, a plurality of preset driver preferences or limitations of a plurality of drivers;

receive, by the server, a plurality of optionally preset customer preferences of a plurality of customers;

store, in the database, the plurality of preset driver service zones, the plurality of preset driver preferences or limitations, and the plurality of optionally preset customer preferences;

receive, by the server, a plurality of service requests for prescheduling, wherein each service request corresponds to one of the plurality of customers and contains time-location data associated with at least a pick-up location and a drop-off location;

parse, by the server, the plurality of service requests into one or more batches, wherein each batch corresponds to a respective preset driver service zone and includes one or more of the plurality of service requests having pick-up and drop-off locations both within the respective preset driver service zone;

preschedule the plurality of service requests by, for each of the one or more batches:

(i) retrieve, from the database, a set of the plurality of drivers associated with the respective preset driver service zone corresponding to the batch;

(ii) automatically establish, by the server, in accordance with the one or more predetermined rules, for each respective service request of the batch, a weighted priority for each driver of the set, wherein the weighted priority is based on assigned weights for at least one service relevant factor associated with the respective service request, and wherein the at least one service relevant factor includes at least one of the plurality of preset driver preferences or limitations or at least one of the optionally preset customer preferences of the customer corresponding to the service request; and

(iii) apply, by the server, the one or more predetermined rules to assign a driver from the set to the respective service request based on the weighted priority of the driver; and

transmit, by the server to a computing device of a particular driver, a dispatch notification which includes one or more assigned service requests; and

receive, by the server from the computing device of the particular driver, an acceptance of at least one of the assigned service requests.

17. The system according to claim 16, wherein each of the one or more predetermined rules comprises a rule criteria and a rule function.

18. The system according to claim 17, wherein the one or more predetermined rules comprise default rules and preferential rules, wherein the preferential rules are preset by at least one of a customer or a driver and have priority over the default rules, and wherein the default rules or the preferential rules dictate the assigned weights for each of the at least one-service relevant factor.

19. The system according to claim 16, wherein the processor further executes the computer-readable instructions to:

receive, by the server, the plurality of preset driver service zones from a plurality of driver computing devices, wherein the plurality of driver computing devices are configured to allow the plurality of drivers to select the preset driver service zone to which the driver is assigned.

20. The system according to claim 16, wherein the processor further executes the computer-readable instructions to:

receive an input from one or more computing devices of the plurality of drivers, the input comprising the plurality of preset driver service zones, or the plurality of preset driver preferences or limitations, wherein the plurality of preset driver preferences or limitations comprise at least one or more personal limitations or one or more regulatory limitations; and

store the input by dynamically updating the database with respect to the plurality of preset driver preferences or limitations.

21. The system according to claim 16, wherein

at least one preset driver service zone is defined by a geographic service region selectable, via at least one of a plurality of driver computing devices, from at least one of: one or more streets, one or more neighborhoods, one or more zip codes, one or more towns or villages, one or more cities, one or more boroughs, one or more counties, or one or more states.

22. The system according to claim 21, wherein the processor further executes the computer-readable instructions to:

display, on at least one of the plurality of driver computing devices, an electronic map display divided into a plurality of clickable geographic regions corresponding to the plurality of

preset driver service zones, wherein each clickable geographic region is selectable by a driver to input a preset driver service zone.

23. The system according to claim 16, wherein the processor further executes the computer-readable instructions to:

display, on one or more customer computing devices, an interactive electronic interface; and

prompt one or more customers to provide one or more of the optionally preset customer preferences as required customer preferences, wherein the optionally preset customer preferences comprise preferences related to at least one of: a type of driver, a type of vehicle, make and model of vehicle, vehicle seating capacity, vehicle space capacity, vehicle weight capacity, wheelchair accessibility, baby seat availability, accommodation for pets, language ability, gender, driving experience, familiarity with the route, experience handling certain types of goods, accommodation for fragile goods or goods requiring special packaging, delivery method, or one or more other attributes of the type of driver or the type of vehicle.

24. The system according to claim 16, wherein the processor further executes the computer-readable instructions to:

generate, by the server, a data table for a particular batch, the data table including, for each service request of the particular batch, in accordance with the one or more predetermined rules, a ranked compatibility of each of the set of the plurality of drivers, based on the weighted priority of each driver of the set and another factor comprising at least one of: availability of each driver of the set to accept service request a driver type, one or more sets of indicators defining the service relevant factors, or a customer type.

25. The system according to claim 24, wherein the driver type comprises a favorite driver, a preferred driver, or a regular driver, and wherein the customer type comprises a favorite customer, a preferred customer, or a regular customer.

26. The system according to claim 25, wherein the processor further executes the computer-readable instructions to:

determine, based on the weighted priority of each driver in the set for a particular service request, a top priority favorite driver or a top priority preferred driver and a subsequent favorite driver or a subsequent preferred driver; and

assign the service request to the subsequent favorite driver or the subsequent preferred driver in response to the top favorite driver or the top preferred driver being unavailable, wherein a favorite driver is assigned a higher weight than a preferred driver and a preferred driver is assigned a higher weight than a regular driver.

27. The system according to claim 16, wherein the processor further executes the computer-readable instructions to:

retrieve, from the database, a set of historical global positioning system (GPS) location data associated with at least a portion of historical service data for one or more of the plurality of drivers, wherein the GPS location data is received from a GPS receiver associated with one or more driver computing devices of the plurality of drivers; and

calculate a level of familiarity with a route of at least one of the respective service requests for at least one driver of the plurality of drivers by (i) comparing a set of GPS location data for the route of the respective service request with the set of historical GPS location data, and (ii) determining a matching relationship between the set of GPS location data for the route of the respective service request and the set of historical GPS location data, wherein the level of familiarity is calculated by determining an amount of overlap between a route of the respective service request and route data associated with at least one of the set of the plurality of drivers; and

display, on at least one customer computing device, the amount as at least one of: a tier, a range of tiers, a grade, a range of grades, a score, a range of scores, a percentage, a range of percentages, or a depiction or illustration, wherein at least one of the service relevant factors comprise the level of familiarity.

28. The system according to claim 16, wherein the processor further executes the computer-readable instructions to:

in response to one or more service requests remaining unassigned or not accepted by at least one driver, store the one or more unassigned or not accepted service requests in a job pool, the

job pool accessible by at least one or more available drivers via one or more driver computing devices;

display the one or more unassigned service requests with one or more indicators on the one or more driver computing devices, wherein the one or more customer indicators correspond to a customer associated with the one or more unassigned or not accepted service requests;

receive a selection of the one or more unassigned service requests in the job pool by an available driver; and

update the job pool in response to the selection.

29. The system according to claim 28, wherein the one or more customer indicators identify the service relevant factors associated with the unassigned or not accepted service requests.

30. The system according to claim 16, wherein the processor further executes the computer-readable instructions to:

receiving, from the driver assigned to at least one service request, an indication of inability by the driver to complete the at least one service request, and receive from the driver a request to ~~a~~ transfer ~~of~~ the at least one service request to a partner driver;

transmit, to the partner driver, a request to transfer the at least one service request;

receive acceptance of the request to transfer the at least one service request from the partner driver; and

update the database to indicate transfer of the at least one service request to the partner driver.