CLAIMS

1. A computer-implemented system for delivering packages to customers, the system comprising:

a memory storing instructions; and

at least one processor configured to execute the instructions to:

receive, from a first user device in a fulfillment center, a package identifier associated with a package for delivery to a customer, the package being routed from the fulfillment center to a camp before delivery to the customer, wherein the package identifier is determined based on a scan of the package identifier by an imaging device on the first user device, and wherein the package identifier is automatically scanned upon alignment of an imaging region of the imaging device with the package identifier;

modify a database to assign the package identifier to a group, among a plurality of groups, based on a delivery address associated with the package identifier and a location of the camp to which the package is routed;

generate a map of the plurality of groups, wherein each of the plurality of groups comprises one or more packages associated with a delivery address within a predetermined distance from each other;

send the map for display on a second user device in the camp; and

send for display an activatable icon on a location on the map, wherein the location of the activatable icon on the map is associated with the delivery address of the package,

the activatable icon includes a number that is indicative of a number of packages for delivery to the delivery address,

the activatable icon is color-coded, and

a color of the activatable icon is indicative of the group, to which the package identifier associated with the package is assigned, and

wherein the map is used by a user of the second user device to deliver the package, wherein:

the map is configured to receive and display updates of the one or more packages associated with the delivery address associated with the activable icon, and

the map is further configured to, upon receiving a request for activating the activable icon, display information associated with the activable icon.

2. The system of claim 1, wherein the plurality of groups is generated by:

determining the location of the camp storing packages for delivery to customers;

identifying a first subset of packages for delivery to delivery addresses located within a first predetermined radius from the location of the camp;

grouping the first subset of packages into a first group, with a second subset of packages remaining;

identifying, from the second subset of packages remaining, a third subset of packages for delivery to delivery addresses located within a second predetermined radius from the location of the camp, the second predetermined radius being greater than the first predetermined radius; and

grouping the third subset of packages into a second group.

3. The system of claim 1, wherein each of the plurality of groups is generated by:

determining the location of the camp storing packages for delivery to customers;

identifying a first subset of packages for delivery to delivery addresses located closest to the camp, the first subset comprising a predetermined number of packages; and

grouping the first subset of packages into a first group, with a second subset of packages remaining;

identifying, from the second subset of packages remaining, a third subset of packages for delivery to delivery addresses located closest to the camp, the second subset comprising the predetermined number of packages; and

grouping the third subset of packages into a second group.

4. The system of claim 3, wherein the predetermined number of packages comprises a range of 5 to 20 packages.

5. The system of claim 1, wherein the at least one processor is further configured to execute the instructions to send for display on the second user device a recommendation for placing the groups of the one or more packages in a vehicle for delivery to the customers.

6. The system of claim 5, wherein the recommendation is based on a location of the camp storing the one or more packages for delivery to customers and delivery addresses associated with the one or more packages in each group.

7. The system of claim 1, wherein the at least one processor is further configured to execute the instructions to send for display on the second user device delivery instructions associated with each package when the activatable icon is activated by a user of the user device.

8. The system of claim 1, wherein the at least one processor is further configured to execute the instructions to send for display on the second user device a route recommendation for delivering the one or more packages.

9. A computer-implemented method for delivering packages to customers, the method comprising:

receiving, from a first user device in a fulfillment center, a package identifier associated with a package for delivery to a customer, the package being routed from the fulfillment center to a camp before delivery to the customer, wherein the package identifier is determined based on a scan of the package identifier by an imaging device on the first user device, and wherein the package identifier is automatically scanned upon alignment of an imaging region of the imaging device with the package identifier;

modifying a database to assign the package identifier to a group, among a plurality of groups, based on a delivery address associated with the package identifier and a location of the camp to which the package is routed;

generating a map of the plurality of groups, wherein each of the plurality of groups comprises one or more packages associated with a delivery address within a predetermined distance from each other;

sending the map for display on a second user device in the camp; and

sending for display an activatable icon on a location on the map, wherein the location of the activatable icon on the map is associated with the delivery address of the package,

the activatable icon includes a number that is indicative of a number of packages for delivery to the delivery address,

the activatable icon is color-coded, and

a color of the activatable icon is indicative of the group, to which the package identifier associated with the package is assigned, and

wherein the map is used by a user of the second user device to deliver the package, wherein:

the map is configured to receive and display updates of the one or more packages associated with the delivery address associated with the activable icon, and

the map is further configured to, upon receiving a request for activating the activable icon, display information associated with the activable icon.

10. The method of claim 9, wherein the plurality of groups is generated by:

determining the location of the camp storing packages for delivery to customers;

identifying a first subset of packages for delivery to delivery addresses located within a first predetermined radius from the location of the camp;

grouping the first subset of packages into a first group, with a second subset of packages remaining;

identifying, from the second subset of packages remaining, a third subset of packages for delivery to delivery addresses located within a second predetermined radius from the location of the camp, the second predetermined radius being greater than the first predetermined radius; and

grouping the third subset of packages into a second group.

11. The method of claim 9, wherein each of the plurality of groups is generated by:

determining the location of the camp storing packages for delivery to customers;

identifying a first subset of packages for delivery to delivery addresses located closest to the camp, the first subset comprising a predetermined number of packages; and

grouping the first subset of packages into a first group, with a second subset of packages remaining;

identifying, from the second subset of packages remaining, a third subset of packages for delivery to delivery addresses located closest to the camp, the second subset comprising the predetermined number of packages; and

grouping the third subset of packages into a second group.

12. The method of claim 9, further comprising sending for display on the second user device a recommendation for placing the groups of the one or more packages in a vehicle for delivery to the customers.

13. The method of claim 12, wherein the recommendation is based on a location of the camp storing the one or more packages for delivery to customers and delivery addresses associated with the one or more packages in each group.

14. The method of claim 9, further comprising sending for display on the second user device delivery instructions associated with each package when the activatable icon is activated by a user of the second user device.

15. The method of claim 9, further comprising sending for display on the user device a route recommendation for delivering the one or more packages.

16. A computer-implemented system for delivering packages to customers, the system comprising:

a memory storing instructions; and

at least one processor configured to execute the instructions to:

receive, from a first user device in a fulfillment center, a package identifier associated with a package for delivery to a customer, the package being routed from the fulfillment center to a camp before delivery to the customer, wherein the package identifier is determined based on a scan of the package identifier by an imaging device on the first user device, and wherein the package identifier is automatically scanned upon alignment of an imaging region of the imaging device with the package identifier;

modify a database to assign the package identifier to a group, among a plurality of groups, based on a delivery address associated with the package identifier and a location of the camp to which the package is routed;

generate a map of the plurality of groups, wherein each of the plurality of groups comprises one or more packages associated with a delivery address within a predetermined distance from each other;

send the map for display on a second user device in the camp; and

send for display a color-coded activatable icon on a location on the map, wherein the location of the activatable icon on the map is associated with the delivery address of the package and a color of the activatable icon is indicative of the group, to which the package identifier is assigned, wherein the plurality of groups is generated by:

determining the location of the camp storing packages for delivery to customers;

identifying a first subset of packages for delivery to delivery addresses located within a first predetermined radius from the location of the camp;

grouping the first subset of packages into a first group, with a second subset of packages remaining;

identifying, from the second subset of packages remaining, a third subset of packages for delivery to delivery addresses located within a second predetermined radius from the location of the camp, the second predetermined radius being greater than the first predetermined radius; and

grouping the third subset of packages into a second group, wherein the activatable icon includes a number that is indicative of a number of packages for delivery to the delivery address, and

wherein the map is used by a user of the second user device to deliver the package, wherein:

the map is configured to receive and display updates of the one or more packages associated with the delivery address associated with the activable icon, and

the map is further configured to, upon receiving a request for activating the activable icon, display information associated with the activable icon.