

CLAIMS:

1. A computer-implemented system for redelivering 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 computing device, a notification of a delivery failure of a package, the notification comprising a package identifier associated with the package and a cause for the delivery failure;

modify a database to assign the notification of the delivery failure and the cause for the delivery failure to the package identifier;

modify the database to assign the package identifier to a group, among a plurality of groups, based on a delivery address associated with the package identifier;

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, and

the map comprises an activatable icon, wherein a location of the activatable icon on the map is associated with the delivery address associated with the package identifier; and

send the map for display on a second user computing device, wherein each of the plurality of groups is generated by:

determining a location of a 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;

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 third subset comprising the predetermined number of packages; and grouping the third subset of packages into a second group, wherein the activatable icon includes a number 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 computing device to redeliver the package associated with the delivery failure.

2. The system of claim 1, wherein the at least one processor is further configured to execute the instructions to send instructions to the first user computing device to return the package to a camp for redelivery.
3. The system of claim 1, wherein:
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.
4. 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 computing device delivery instructions associated with each package when the activatable icon is activated by the user of the second user computing device.
5. The system of claim 1, wherein the at least one processor is further configured to execute the instructions to send instructions to the first user computing device to capture an image of the package, and wherein the notification of the delivery failure further comprises the image of the package.
6. The system of claim 1, wherein the at least one processor is further configured to execute the instructions to:
determine a redelivery date associated with the package based on at least one of an expected delivery date of the package, the cause for the delivery failure, or a customer redelivery request; and

modify the database to assign the redelivery date to the package identifier associated with the package.

7. The system of claim 1, wherein the cause of the delivery failure comprises at least one of a lack of time, an error associated with the delivery address, a misclassification, a shipping delay, an accident, a natural disaster, a customer request to postpone delivery, or a customer absence.

8. A computer-implemented method for redelivering packages to customers, the method comprising:

receiving, from a first user computing device, a notification of a delivery failure of a package, the notification comprising a package identifier associated with the package, a cause for the delivery failure, and a redelivery date;

modifying a database to assign the notification of the delivery failure, the cause for the delivery failure, and the redelivery date to the package identifier;

modifying the database to assign the package identifier to a group, among a plurality of groups, based on a delivery address associated with the package identifier;

generating, by at least one processor, 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, and

the map comprises an activatable icon, wherein a location of the activatable icon on the map is associated with the delivery address associated with the package identifier; and

sending the map for display on a second user computing device, wherein each of the plurality of groups is generated by:

determining a location of a 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;

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 third subset comprising the predetermined number of packages; and

grouping the third subset of packages into a second group, wherein the activatable icon includes a number 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 computing device to redeliver the package associated with the delivery failure.

9. The method of claim 8, further comprising sending instructions to the first user computing device to return the package to a camp for redelivery.

10. The method of claim 8, wherein:
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.

11. The method of claim 8, further comprising sending for display on the second user computing device delivery instructions associated with each package when the activatable icon is activated by the user of the second user computing device.

12. The method of claim 8, further comprising sending instructions to the first user computing device to capture an image of the package, wherein the notification of the delivery failure further comprises the image of the package.

13. The method of claim 8, further comprising:

determining a redelivery date associated with the package based on at least one of an expected delivery date of the package, the cause for the delivery failure, or a customer redelivery request; and
modifying the database to assign the redelivery date to the package identifier associated with the package.

14. The method of claim 8, wherein the cause of the delivery failure comprises at least one of a lack of time, an error associated with the delivery address, a misclassification, a shipping delay, an accident, a natural disaster, a customer request to postpone delivery, or a customer absence.

15. A computer-implemented system for redelivering 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 computing device, a notification of a delivery failure of a package,

the notification comprising a package identifier associated with the package and a cause for the delivery failure;

modify a database to assign the notification of the delivery failure and the cause for the delivery failure to the package identifier;

modify the database to assign the package identifier to a group, among a plurality of groups, based on a delivery address associated with the package identifier;

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, and

the map comprises an activatable icon, wherein a location of the activatable icon on the map is associated with the delivery address associated with the package identifier;
and

send the map for display on a second user computing device, wherein the plurality of groups is generated by:

determining a location of a 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 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 computing device to redeliver the package associated with the delivery failure.