

Claims

1. A computerized system for inventory item reconciliation process at a site, comprising:
at least one processor; and
at least one non-transitory storage medium comprising instructions that, when executed by the at least one processor, cause the at least one processor to perform steps comprising:
maintaining a database storing a plurality of records having package identifiers associated with packages;
generating an interactive user interface at a first time, comprising a plurality of interactive elements depicting a status for each of the plurality of records in the database;
receiving a reconciliation instruction from a device associated with an authorized personnel;
prompting a display on the interactive user interface to perform reconciliation;
receiving one or more scan events from a remote device containing at least one or more package identifiers;
determining a mismatch between the at least one or more package identifiers of the one or more scan events and the package identifiers of the plurality of records;
in response to determining the mismatch associated with a first package, requesting inputs via the interactive user interface, wherein the inputs comprise:
information on packaging status of the first package from a warehouse worker;
location of the first package from a delivery person or a customer; or
reasons for no delivery of the first package from delivery persons or customers;
assigning an error status to the mismatch of the package identifiers;
updating the plurality of records based on the mismatch of the package identifiers; and
generating the final status of each of the plurality of records based on the inputs.
2. The system of claim 1, wherein the first time is midnight of a working day.

3. The system of claim 1, wherein the first time corresponds to an end of a delivery shift.
4. The system of claim 1, wherein the instructions are configured to display operator instructions to scan package identifiers associated with packages present at the first time at the site.
5. The system of claim 4, the steps further comprising:
receiving an indication that all of the package identifiers associated with packages present at the first time at the site have been scanned; and
determining the mismatch of the package identifiers that are present in the plurality of records and missing from the site.
6. The system of claim 1, wherein the plurality of records comprises a plurality of first records having package identifiers associated with packages for delivery.
7. The system of claim 1, wherein the plurality of records comprises a plurality of second records having package identifiers associated with the packages for return.
8. A method for computerized inventory and return item reconciliation, comprising steps of:
maintaining a database storing a plurality of records having package identifiers associated with packages;
generating an interactive user interface at a first time, comprising a plurality of interactive elements depicting a status for each of the plurality of records in the database;
receiving a reconciliation instruction from a device associated with an authorized personnel,
prompting a display on the interactive user interface to perform reconciliation;
receiving one or more scan events from a remote device containing at least one or more package identifiers;
determining a mismatch between the at least one or more package identifiers of the one or more scan events and the package identifiers of the plurality of records;
in response to determining the mismatch associated with a first package, requesting inputs via the interactive user interface, wherein the inputs comprise:
information on packaging status of the first package from a warehouse worker;

location of the first package from a delivery person or a customer; or
reasons for no delivery of the first package from delivery persons or customers;
assigning an error status to the mismatch of the package identifiers;
updating the plurality of records based on the mismatch of the package identifiers; and
generating the final status of each of the plurality of records based on the inputs.

9. The method of claim 8, wherein the first time is midnight of a working day.
10. The method of claim 8, wherein the first time corresponds to an end of a delivery shift.
11. The method of claim 8, wherein the instructions are configured to display operator instructions to scan package identifiers associated with packages present at the first time at the site.
12. The method of claim 11, the steps further comprising:
receiving an indication that all of the package identifiers associated with packages
present at the first time at the site have been scanned; and
determining a mismatch of the package identifiers that are present in the plurality of
records and missing from the site.
13. The method of claim 8, wherein the plurality of records comprises a plurality of first
records having package identifiers associated with packages for delivery.
14. The method of claim 8, wherein the plurality of records comprises a plurality of second
records having package identifiers associated with the packages for return.
15. A computerized system for computerized inventory and return item reconciliation,
comprising:
at least one processor; and
at least one non-transitory storage medium comprising instructions that, when executed
by the at least one processor, cause the at least one processor to perform steps
comprising:
maintaining a database storing a plurality of records having package identifiers
associated with packages;

generating an interactive user interface at a first time, comprising a plurality of interactive elements depicting a status for each of the plurality of records in the database;

receiving a reconciliation instruction from a device associated with an authorized personnel;

prompting a display on the interactive user interface to perform reconciliation;

receiving one or more scan events from a remote device containing at least one or more package identifiers;

determining a mismatch between the at least one or more package identifiers of the one or more scan events and the package identifiers of the plurality of records;

in response to determining the mismatch associated with a first package, requesting inputs via the interactive user interface, wherein the inputs comprise:

- information on packaging status of the first package from a warehouse worker;
- location of the first package from a delivery person or a customer; or
- reasons for no delivery of the first package from delivery persons or customers;

assigning an error status to the mismatch of the package identifiers;

prompting a display on the interactive user interface to make further inquiries for the package identifiers having the error status;

receiving an input via the interactive user interface regarding a current status of each of the package identifiers having the error status;

updating the plurality of records based on the input; and

generating a status report on the interactive user interface for package identifiers having the error status.