

Claims

1. A computer-implemented system for validating and returning fresh items for use with a user interface, comprising:
 - one or more memory devices storing instructions; and
 - one or more processors configured to execute the instructions to perform operations comprising:
 - receiving, from a first mobile device, a request for validating an item and an item identifier associated with the item;
 - retrieving, from a database, a first acceptability standard including a portion of the item needing validation;
 - responding to the received request by transmitting, to the first mobile device, a request for a defect quantity associated with the item and the retrieved first acceptability standard;
 - receiving the defect quantity from the first mobile device;
 - storing an inspection task including the received item identifier, the retrieved first acceptability standard, the received defect quantity of the item, and a manager indicator configured to allow only mobile devices associated with at least one manager to access information associated with the inspection task based on the received defect quantity;
 - receiving a re-counted quantity of the defective item for return from a second mobile device associated with a manager in response to the transmitted inspection task;
 - determining whether another round of validation is needed based on a comparison between the received re-counted quantity of the defective item for return and the received defect quantity; and
 - based on the determination on the necessity of another round of validation:

transmitting a request for a quantity of the item for validation and a second re-counted quantity of the defective item for return to the second mobile device;

modifying the database to assign an indicator associated with the determination to an inbound identifier and the item identifier; and

modifying the user interface to include the assigned indicator associated with the determination.

2. The computer-implemented system of claim 1, wherein the operations further comprise:

transmitting a request for the inbound identifier to the first mobile device; and

receiving the inbound identifier from the first mobile device.

3. The computer-implemented system of claim 1, wherein the operations further comprise transmitting a user interface that includes selectable interface elements respectively corresponding to the one or more items for validation when multiple items correspond to the received item identifier to the first mobile device.

4. The computer-implemented system of claim 1, wherein the retrieved first acceptability standard includes an inbound quantity, an order number, a manufacturing date, and an expiration date.

5. The computer-implemented system of claim 1, wherein receiving the re-counted quantity of the defective item for return from the second mobile device further comprises:

receiving, from the second mobile device, a request for a stored inspection task;

responding to the received request by transmitting one or more stored inspection tasks to the second mobile device;
receiving, from the second mobile device, acceptance of the transmitted stored inspection task and the item identifier associated with the item for validation;
retrieving, from the database, a second acceptability standard including a portion of the item needing validation based on the prediction;
and
responding to the received request by transmitting a request for the re-counted quantity of the defective item for return, to the second mobile device, along with the retrieved second acceptability standard.

6. The computer-implemented system of claim 5, wherein the operations further comprise:

receiving, from the second mobile device, a quantity of the item for validation and a second re-counted quantity of the defective item for return;
determining a return of all, part, or none of the item based on a comparison between the received second re-counted quantity of the defective item for return and an inbound quantity of the item;
transmitting a request for a reason for return based on the determination on the return to the second mobile device;
receiving, from the second mobile device, a reason for return and an image of the returning item; and
storing a return task including the received item identifier, the received second re-counted quantity of the defective item, and the reason for return.

7. The computer-implemented system of claim 5, wherein the operations further comprise providing, for presentation via the second mobile device, a user interface that includes selectable interface elements respectively corresponding to the one or more transmitted inspection tasks, each of the inspection tasks including an item identifier, an inbound barcode, an item name, a quantity of the defective item, and an item unloading time.
8. The computer-implemented system of claim 6, wherein the operations further comprise transmitting a user interface including a button for selecting a reason for return and a button for attaching an image of the returning item when the second re-counted quantity of the defective item for return is greater than zero to the second mobile device.
9. The computer-implemented system of claim 6, wherein the operations further comprise storing a return task configured to instruct the first mobile device to process a partial return when the received second re-counted quantity of the defective item is fewer than the inbound quantity of the item.
10. The computer-implemented system of claim 6, wherein the operations further comprise storing a return task configured to instruct the first mobile device to process a full return when the received second re-counted quantity of the defective item matches the inbound quantity of the item.
11. A computer-implemented method for validating and returning fresh items for use with a user interface, comprising:
 - receiving, from a first mobile device, a request for validating an item and an item identifier associated with the item;
 - retrieving, from a database, a first acceptability standard including a portion of the item needing validation;
 - responding to the received request by transmitting, to the first mobile device, a request for a defect quantity associated with the item and the retrieved first acceptability standard;
 - receiving the defect quantity from the first mobile device;

storing an inspection task including the received item identifier, the
 retrieved first acceptability standard, the received defect quantity
 of the item, and a manager indicator configured to allow only
 mobile devices associated with at least one manager to access
 information associated with the inspection task based on the
 received defect quantity;
 receiving a re-counted quantity of the defective item for return from a
 second mobile device associated with a manager in response to
 the transmitted inspection task;
 determining whether another round of validation is needed based on a
 comparison between the received re-counted quantity of the
 defective item for return and the received defect quantity; and
 based on the determination on the necessity of another round of
 validation:
 transmitting a request for a quantity of the item for validation and
 a second re-counted quantity of the defective item for
 return to the second mobile device;
 modifying the database to assign an indicator associated with
 the determination to an inbound identifier and the item
 identifier; and
 modifying the user interface to include the assigned indicator
 associated with the determination.

12. The computer-implemented method of claim 11, wherein the operations further comprise transmitting a user interface that includes selectable interface elements respectively corresponding to the one or more items for validation when multiple items correspond to the received item identifier to the first mobile device.
13. The computer-implemented method of claim 11, wherein the retrieved first acceptability standard includes an inbound quantity, an order number, a manufacturing date, and an expiration date.

14. The computer-implemented method of claim 11, wherein receiving the re-counted quantity of the defective item for return from the second mobile device further comprises:
- receiving, from the second mobile device, a request for a stored inspection task;
 - responding to the received request by transmitting one or more stored inspection tasks to the second mobile device;
 - receiving, from the second mobile device, acceptance of the transmitted stored inspection task and the item identifier associated with the item for validation;
 - retrieving, from the database, a second acceptability standard including a portion of the item needing validation based on the prediction;
 - and
 - responding to the received request by transmitting a request for the re-counted quantity of the defective item for return, to the second mobile device, along with the retrieved second acceptability standard.
15. The computer-implemented method of claim 14, wherein the operations further comprise:
- receiving, from the second mobile device, a quantity of the item for validation and a second re-counted quantity of the defective item for return;
 - determining a return of all, part, or none of the item based on a comparison between the received second re-counted quantity of the defective item for return and an inbound quantity of the item;
 - transmitting a request for a reason for return based on the determination on the return to the second mobile device;
 - receiving, from the second mobile device, a reason for return and an image of the returning item; and
 - storing a return task including the received item identifier, the received second re-counted quantity of the defective item, and the reason for return.

16. The computer-implemented method of claim 14, wherein the operations further comprise providing, for presentation via the second mobile device, a user interface that includes selectable interface elements respectively corresponding to the one or more transmitted inspection tasks, each of the inspection tasks including an item identifier, an inbound barcode, an item name, a quantity of the defective item, and an item unloading time.
17. The computer-implemented method of claim 15, wherein the operations further comprise transmitting a user interface including a button for selecting a reason for return and a button for attaching an image of the returning item when the second re-counted quantity of the defective item for return is greater than zero to the second mobile device.
18. The computer-implemented method of claim 15, wherein the operations further comprise storing a return task configured to instruct the first mobile device to process a partial return when the received second re-counted quantity of the defective item is fewer than the inbound quantity of the item.
19. The computer-implemented method of claim 15, wherein the operations further comprise storing a return task configured to instruct the first mobile device to process a full return when the received second re-counted quantity of the defective item matches the inbound quantity of the item.
20. A system comprising:
 - a computer-implemented system for validating and returning fresh items for use with a user interface, comprising:
 - one or more memory devices storing instructions; and
 - one or more processors configured to execute the instructions to perform first operations comprising:
 - receiving, from a first mobile device, a request for validating an item and an item identifier associated with the item;

retrieving, from a database, an acceptability standard including a portion of the item needing validation;

responding to the received request by transmitting, to the first mobile device, a request for a defect quantity associated with the item and the retrieved first acceptability standard;

receiving the defect quantity from the first mobile device; and

storing an inspection task including the received item identifier, the retrieved first acceptability standard, the received defect quantity based on the received defect quantity, and a manager indicator configured to allow only mobile devices associated with at least one managers to access the inspection task;

receiving, from a second mobile device associated with a manager, a request for a stored inspection task;

responding to the received request by transmitting one or more stored inspection tasks to the second mobile device;

receiving, from the second mobile device, acceptance of the transmitted stored inspection task and an item identifier associated with the item for validation;

retrieving, from the database, a second acceptability standard including a

portion of the item needing validation
based on the prediction;
responding to the received request by
transmitting a request for a re-
counted quantity of the defective item
for return, to the second mobile
device, along with the second
retrieved standard;
receiving a re-counted quantity of the
defective item for return from the
second mobile device;
determining whether another round of
validation is needed based on a
comparison between the received re-
counted quantity of defective item for
return and the received quantity of
defective item; and
based on the determination on the
necessity of another round of
validation and in response to
receiving re-counted quantity of the
defective item:
transmitting a request for a quantity of the
item for validation and a second re-
counted quantity of the defective item
for return to the second mobile
device; and
modifying the database to assign an
indicator associated with the
determination to an inbound
identifier and the item
identifier;

a first mobile device comprising:
a first user interface;

one or more memory devices storing instructions; and
one or more processors configured to execute the instructions to
perform second operations comprising:

transmitting, to the computer-implemented
system, a request for validating an
item and an item identifier associated
with the item;

receiving, from the computer-implemented
system, a request for a defect
quantity associated with the item and
a standard;

transmitting, to the computer-implemented
system, a defect quantity associated
with the item;

a second mobile device associated with a manager comprising:

a second user interface;

one or more memory devices storing instructions; and

one or more processors configured to execute the instructions to
perform third operations comprising:

transmitting, to the computer-implemented
system, a request for a stored
inspection task;

receiving, from the computer-implemented
system, one or more inspection
tasks;

transmitting, to the computer-implemented
system, acceptance of an inspection
task;

receiving, from the computer-implemented
system, a request for a re-counted
quantity of the defective item for
return and a second standard;

transmitting, to the computer-implemented system, a re-counted quantity of the defective item for return; and
receiving, from the computer-implemented system, a request for a quantity of the item for validation and a second re-counted quantity of the defective item for return; and
the first operations further comprising:
modifying the first user interface and the second user interface to include the assigned indicator associated with the determination.