CLAIMS

1. A computer-implemented system for stowing products, the system comprising:

a memory storing instructions; and

at least one processor configured to execute the instructions to:

receive, from a user device associated with a user, a container identifier associated with a container containing two or more products for stowing;

predict, based on the container identifier, a location for stowing a first subset of products among the two or more products;

provide, to the user device, the predicted location;

receive, from the user device, a product identifier associated with the first subset of products and a location identifier associated with a position in the predicted location;

modify a database to assign the location identifier to the product identifier and the product identifier to the container identifier;

receive, from the user device, a notification of a stowing error associated with the container identifier, wherein the stowing error reflects at least one problem with a second subset of the products among the two or more products;

modify the database to assign the stowing error to the container identifier;

report the stowing error to a remote device; and

provide, to the user device, a second location recommendation for transferring the second subset of products, wherein the second

location recommendation is based on the stowing error and a cause for the stowing error.

2. The system of claim 1, wherein the product identifier associated with the first subset of products comprises a stock keeping unit (SKU) associated with the first subset of products.

3. The system of claim 1, wherein predicting the location for stowing the first subset of products further comprises:

selecting an empty location closest to the location of the user device.

4. The system of claim 1, wherein the stowing error comprises at least one of an overage or a shortage.

5. The system of claim 1, wherein, when the container identifier is scanned, the at least one processor is further configured to execute the instructions to send a cause of the stowing error for display to the user device.

6. The system of claim 4, wherein, wherein, when a physical quantity of the second subset of products is greater than an expected quantity of the second subset of products, the stowing error comprises an overage.

7. The system of claim 4, wherein, when a physical quantity of the second subset of products is less than an expected quantity of the second subset of products, the stowing error comprises a shortage.

8. The system of claim 6, wherein, when the stowing error comprises the overage, the at least one processor is configured to execute the instructions to determine the cause for the overage, the cause for the overage comprising at least one of a product damage, a barcode damage, or an incorrect product.

9. The system of claim 7, wherein, when the stowing error comprises the shortage, the at least one processor is configured to execute the instructions to:

request, via the user device, a difference between the physical quantity of the second subset of products and the expected quantity of the second subset of products; and

store the difference in the database.

10. The system of claim 8, wherein, when the cause for the overage comprises at least one of the product damage or the barcode damage, the at least one processor is further configured to execute the instructions to provide, to the user device, a location recommendation for transferring the second subset of products with the at least one of the product damage or the barcode damage.

11. A computer-implemented method for stowing products, the method comprising:

receiving, from a user device associated with a user, a container identifier associated with a container containing two or more products for stowing;

predicting, based on the container identifier, a location for stowing a first subset of products;

providing, to the user device, the predicted location;

receiving, from the user device, a product identifier associated with the first subset of products and a location identifier associated with a position in the predicted location;

modifying a database to assign the location identifier to the product identifier and the product identifier to the container identifier;

receiving, from the user device, a notification of a stowing error associated with the container identifier, wherein the stowing error reflects at least one problem with a second subset of the products among the two or more products;

modifying the database to assign the stowing error to the container identifier;

reporting the stowing error to a remote device; and

providing, to the user device, a second location recommendation for transferring the second subset of products.

12. The method of claim 11, wherein predicting the location for stowing the first subset of products further comprises:

selecting an empty location closest to the location of the user device.

13. The method of claim 11, wherein the stowing error comprises at least one of an overage or a shortage.

14. The method of claim 11, further comprising sending a cause of the stowing error for display to the user device.

15. The method of claim 13, wherein, when a physical quantity of the second subset of products is greater than an expected quantity of the second subset of products, the stowing error comprises an overage.

16. The method of claim 13, wherein, when a physical quantity of the second subset of products is less than an expected quantity of the second subset of products, the stowing error comprises a shortage.

17. The method of claim 15, further comprising:

when the stowing error comprises the overage, determining a cause for the overage, the cause for the overage comprising at least one of a product damage, a barcode damage, or an incorrect product.

18. The method of claim 16, further comprising:

when the stowing error comprises the shortage, requesting, via the user device, a difference between the physical quantity of the second subset of products and the expected quantity of the second subset of products; and

storing the difference in the database.

19. The method of claim 17, further comprising:

when the cause for the overage comprises at least one of the product damage or the barcode damage, providing, via the user device, a location recommendation for transferring the second subset of products with the at least one of the product damage or the barcode damage.

20. A computer-implemented system for stowing products, the system comprising:

a memory storing instructions; and

at least one processor configured to execute the instructions to:

receive, from a user device associated with a user, a container identifier associated with a container containing two or more products for stowing;

predict, based on the container identifier, a location for stowing a first subset of products, wherein predicting the location for stowing the first subset of products further comprises:

determining a location of the user device based on data received from the user device;

determining empty locations within a fulfillment center; and

selecting, among the determined empty locations, a subset of empty locations based on the location of the user device;

provide, to the user device, a location recommendation for stowing the first subset of products contained in the container based on the predicted location;

receive, from a user device associated with a user, a container identifier associated with a container containing two or more products for stowing;

predict, based on the container identifier, a location for stowing a first subset of products, wherein predicting the location for stowing the first subset of products further comprises:

determining a location of the user device;

determining at least one empty location within a fulfillment center that is capable of receiving the first subset of products; and

selecting, among the at least one empty location, an empty location closest to the location of the user device;

provide, to the user device, a location recommendation for stowing the first subset of products contained in the container based on the predicted location;

receive, from the user device, a product identifier associated with the first subset of products, a location identifier associated with a position in the predicted location, and a quantity of the first subset of products to be stowed;

modify a database to assign the location identifier and the quantity to the product identifier and to assign the product identifier to the container identifier;

receive, from the user device, a notification of a stowing error associated with the container identifier, the stowing error comprising at least one of an overage or a shortage, wherein the stowing error reflects at least one problem with a second subset of the products among the two or more products;

modify the database to assign the stowing error to the container identifier; and

report the stowing error to a remote device, wherein:

when the stowing error comprises overage, the at least one processor is configured to execute the instructions to:

determine a cause for the overage, the cause for the overage comprising at least one of a product damage or a barcode damage; and

provide, via the user device, a second location recommendation for transferring the second subset of products with the at least one of the product damage or the barcode damage, wherein the second location recommendation is based on the stowing error and the cause for the stowing error; and

when the stowing error comprises shortage, the at least one processor is configured to execute the instructions to:

request, via the user device, a difference between the physical quantity of the second subset of products and the expected quantity of the second subset of products; and

store the difference in the database.