and increase sales, but also to streamline operations and reduce overall costs. It would be advantageous to provide alternate systems and methods for such inventory management.

[0004] Thus, a heretofore unaddressed need exists in the industry to address the aforementioned deficiencies and inadequacies.

SUMMARY

[0005] According to the present teachings, a computer-implemented method for product management is disclosed. The method can comprise obtaining user identification information from a user, wherein the user identification information is associated with a financial account of the user; validating, by a processor, that the user identification information is authentic based on registration information that was previously received; providing a first access signal to a locking mechanism of a locking enclosure to unlock the locking mechanism based on the validating, wherein the locking enclosure securely stores a purchasable product; obtaining product identification information from a scan of a bar code associated with the product; providing the product identification information that was obtained to be rendered on a display; receiving an indication from the user that the product identification information is correct; providing a second access signal to the locking mechanism to lock the locking mechanism based on the indication that was received; collecting the product identification information once the product identification information has been identified as being correct; and providing the product identification information that was collected to an inventory and/or fulfillment system to be used for product analysis and/or resupply for the locking enclosure.

[0006] The method can further comprise obtaining order information for a user, wherein the order information comprises one or more of: information related to the user, information related to one or more products that the user wishes to purchase in an order. The obtaining user identification information from the user can comprise scanning a badge comprising a barcode that has been registered with the user or obtaining the user identification information using RFID. The barcode can be a 1-dimensional barcode or a 2-dimensional barcode. The obtaining product identification information from the scan of the

bar code associated with the product can comprise scanning the barcode with a barcode reader.

[0007]

[0008] There is disclosed a computer-implemented method for product management is disclosed. The method can comprise obtaining order information for a user, wherein the order information comprises one or more of: information related to the user, information related to one or products that the user wishes to purchase in an order; obtaining user identification information from the user, wherein the identification code is associated with a financial account of the user; obtaining order confirmation information from a scan of a bar code or RFID associated with the order confirmation; providing a first access signal to a locking mechanism of a locking enclosure to unlock the locking mechanism based on the order confirmation information that was obtained; and providing a order completion indication subsequent to the first access signal indicating that the order is complete.

[0009] The method can further comprise validating, by a processor, that the user identification information is authentic based on registration information that was previously received. The method can further comprise obtaining product identification information from a scan of a bar code associated with the product or through RFID. The method can further comprise providing the product information that was obtained to be rendered on a display. The method can further comprise receiving an indication from the user that the

product information is correct. The method can further comprise providing a second access signal to the locking mechanism to lock the locking mechanism based on the indication that was received.

[0010] According to the present teachings, a device is disclosed that can comprise at least one processor; a memory containing instructions for execution by the at least one processor, such that the instructions cause the processor to perform the method for product management. The method can comprise obtaining user identification information from a user, wherein the user identification information is associated with a financial account of the user; validating, by a processor, that the user identification information is authentic based on registration information that was previously received; providing a first access signal to a locking mechanism of a locking enclosure to unlock the locking mechanism based on the validating, wherein the locking enclosure securely stores a purchasable product; obtaining product identification information from a scan of a bar code associated with the product; providing the product identification information that was obtained to be rendered on a display; receiving an indication from the user that the product identification information is correct; providing a second access signal to the locking mechanism to lock the locking mechanism based on the indication that was received; collecting the product identification information once the product identification information has been identified as being correct; and providing the product identification information that was collected to an inventory and/or fulfillment system to be used for product analysis and/or resupply for the locking enclosure.

[0011] The processor can be further operable to perform the method comprising obtaining order information for a user, wherein the order information comprises one or more of: information related to the user, information related to one or more products that the user wishes to purchase in an order. The obtaining user identification information from the user can comprise scanning a badge comprising a barcode that has been registered with the user or through RFID. The obtaining product identification information from the scan of the bar code associated with the product can comprise scanning the barcode with a barcode

reader.

[0012] Additional objects and advantages of the disclosure will be set forth in part in the description which follows, and in part will be obvious from the description, or can be learned by practice of the disclosure. The objects and advantages of the disclosure will be realized and attained by means of the elements and combinations particularly pointed out in the appended claims.

[0013] It is to be understood that both the foregoing general description and the following detailed description are exemplary and explanatory only and are not restrictive of the disclosure, as claimed.

BRIEF DESCRIPTION OF THE DRAWINGS

[0014] The accompanying drawings, which are incorporated in and constitute a part of this specification, illustrate the present disclosure and together with the description, serve to explain the principles of the present disclosure.

[0015] FIG. 1 illustrates an example system configuration of the kiosk, according the present teachings.

[0016] FIGS. 2A – 2I illustrates example enclosures of the kiosk, according to the present teachings.

[0017] FIG. 3 illustrates an example flow chart of the state of the enclosure, according to the present teachings.

WHAT IS CLAIMED IS:

1. A computer-implemented method for product management comprising:

obtaining user identification information from a user, wherein the user identification information is associated with a financial account of the user;

validating, by a processor, that the user identification information is authentic based on registration information that was previously received;

providing a first access signal to a locking mechanism of a locking enclosure to unlock the locking mechanism based on the validating, wherein the locking enclosure securely stores a purchasable product;

obtaining product identification information from a scan of a bar code associated with the product;

providing the product identification information that was obtained to be rendered on a display;

receiving an indication from the user that the product identification information is correct;

providing a second access signal to the locking mechanism to lock the locking mechanism based on the indication that was received;

collecting the product identification information once the product identification information has been identified as being correct; and

providing the product identification information that was collected to an inventory and/or fulfillment system to be used for product analysis and/or resupply for the locking enclosure.

2. The computer-implemented method according to Claim 1, further comprising obtaining order information for a user, wherein the order information comprises one or more of: information related to the user, information related to one or more products that the user wishes to purchase in an order.

3 The computer-implemented method according to Claim 1, wherein the obtaining user identification information from the user comprises scanning a badge comprising a barcode that has been registered with the user.

4. The computer-implemented method according to Claim 3, wherein the barcode is an 1-dimensional barcode or a 2-dimensional barcode.

5. The computer-implemented method according to Claim 1, wherein the obtaining product identification information from the scan of the bar code associated with the product comprises scanning the barcode with a barcode reader.

6. A device comprising:

at least one processor;

a memory containing instructions for execution by the at least one processor, such that the instructions cause the processor to perform the method for product management, the method comprising:

obtaining user identification information from a user, wherein the user identification information is associated with a financial account of the user;

validating, by a processor, that the user identification information is authentic based on registration information that was previously received;

providing a first access signal to a locking mechanism of a locking enclosure to unlock the locking mechanism based on the validating, wherein the locking enclosure securely stores a purchasable product;

obtaining product identification information from a scan of a bar code associated with the product;

providing the product identification information that was obtained to be rendered on a display;

receiving an indication from the user that the product identification information is correct;

providing a second access signal to the locking mechanism to lock the locking mechanism based on the indication that was received;

collecting the product identification information once the product identification information has been identified as being correct; and

providing the product identification information that was collected to an inventory and/or fulfillment system to be used for product analysis and/or resupply for the locking enclosure.

7. The device according to Claim 6, wherein the processor is further operable to perform the method comprising obtaining order information for a user, wherein the order information comprises one or more of: information related to the user, information related to one or more products that the user wishes to purchase in an order.

8. The device according to Claim 6, wherein the obtaining user identification information from the user comprises scanning a badge comprising a barcode that has been registered with the user.

9. The device according to Claim 6, wherein the obtaining product identification information from the scan of the bar code associated with the product comprises scanning the barcode with a barcode reader.