

CLAIMS

1. A shopping system (102) for facilitating shopping of customers from retailers, the shopping system (102) connected to a plurality of consumer devices and a plurality of retailer systems via a network, comprising a processor (110) and a memory (112), the memory (112) storing:

a shopping list module (202) configured to enable a plurality of customers to create their shopping list having a plurality of items;

a retail module (204) configured to enable a plurality of retailers to provide a dynamic pricing and promotions for items in the shopping list; and

a cart module (206) configured to enable the plurality of customers to choose a retailer based upon the product availability, pricing, and promotions and book a shopping cart with the retailer,

wherein the shopping cart comprises a bar code scanner, a camera that is concealed and configured to take images and send images to a backend system of store, a weighing scale concealed inside a frame of the shopping cart; and

a sensor configured to match all data from the bar code scanner, the camera, and the weighing scale;

wherein when a customer adds any product inadvertently or deliberately without scanning the product first, the camera still captures image of the product and send the image of the product to the backend system that verify whether the customer has scanned the product before inserting the product in the shopping cart;

wherein the customer further receives a notification about scanning the product first when the backend system determines that the product is inserted into the shopping cart without being scanned by the customer;

wherein the shopping list module (202) is configured to enable the customers to keep track of unused products at home, by means of artificial intelligence such as machine learning, and the shopping list module (202) reminds the customers if the same products are unused or unfinished.

2. The shopping system (102) of claim 1, wherein the shopping list module (202) is further configured to enable the plurality of customers to share their shopping list with their family members and friends.

3. The shopping system (102) of claim 2, wherein the shopping list module (202) configured to enable the family members and friends to edit the shopping list.
4. The shopping system (102) of claim 1, wherein the shopping list module (202) is further
5 configured to compare total price and product availability offered by the plurality of
retailers for the shopping list, and provide the comparison to the plurality of customers.
5. The shopping system (102) of claim 1, wherein the retail module (204) is configured to
aggregate the shopping lists of the plurality of customers, and share the aggregated
10 shopping list with a plurality of retailers.
6. The shopping system (102) of claim 1, wherein the retail module (204) is configured to
tag geographic location of the plurality of customers and provide to the plurality of
retailers.
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7. The shopping system (102) of claim 1, wherein the retail module (204) is configured
to map the shopping list to databases of the plurality of retailers and inform the retailers
about their inventory based on the shopping list.
- 20 8. The shopping system (102) of claim 1, wherein the retail module (204) is configured
to use demographic details of the customers to provide promotional offers to the
customers.
9. The shopping system (102) of claim 1, wherein the retail module (204) is configured to
25 utilize artificial intelligence to predict items that will be demanded by customers.
10. The shopping system (102) of claim 1, further comprising a reward module (208)
configured to provide rewards to the plurality of customers from the retailers or partners
based upon the payment.
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11. A computer-implemented method for facilitating shopping of customers from retailers
using a shopping system connected to a plurality of consumer devices and a plurality
of retailer systems via a network, the computer-implemented method comprising:

enabling a plurality of customers to create their shopping list having a plurality of items;

aggregating the shopping lists of the plurality of customers, and sharing the aggregated shopping list with a plurality of retailers;

5 enabling the plurality of retailers to provide a dynamic pricing and promotions for items in the shopping list;

enabling the plurality of customers to choose a retailer based upon the pricing and book a shopping cart with the retailer, wherein the shopping cart comprises a bar code scanner, a camera that is concealed and configured to take images and send images
10 to a backend system of store, a weighing scale concealed inside a frame of the shopping cart, a sensor configured to match all data from the bar code scanner, the camera, and the weighing scale;

wherein when a customer adds any product inadvertently or deliberately without scanning the product first, the camera still captures image of the product and
15 send the image of the product to the backend system that verify whether the customer has scanned the product before inserting the product in the shopping cart;

wherein the customer further receives a notification about scanning the product first when the backend system determines that the product is inserted into the shopping cart without being scanned by the customer; and

20 enabling the plurality of customers to keep track of unused products at home, by means of artificial intelligence such as machine learning, enabling the plurality of retailers to keep track of their inventories, and

sending reminder to the customers if the same products are unused or unfinished.

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12. The computer-implemented method of claim 11, wherein the aggregating further comprises mapping the shopping list to databases of the plurality of retailers and informing the retailers about their inventory based on the shopping list.

30 13. The computer-implemented method of claim 11, further comprising using demographic details of the customers to provide promotional offers to the customers.

14. The computer-implemented method of claim 11, further comprising utilizing artificial intelligence to assist the plurality of retailers to manage their inventory.

15. The computer-implemented method of claim 11, further comprising providing rewards to the plurality of customers from the plurality of retailers, based upon the payment.