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| PICK-A-TREAT  Store Inventory management system with IOT |
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# Store Inventory Management System with IOT

## Project Scope:

An Inventory Management system with integration of IoT devices which will enable an automated shopping experience to customers. Customers just need to walk-in into the store, pick up the required items and then just walk-out. The IoT devices will validate customers, track their movement, and manage the inventory in the store. Once the item is picked up by the customer, it will be automatically added to the cart, and while he leaves the store an invoice is generated, and the amount is deducted from the E-wallet.

The app will also provide pre-ordering services, so that the customer can pick up the items from the store. Additionally, the system will manage the availability of the products with the help of IoT installed in the store.

## Business Rules:

1. Customers need to register on the mobile app.
2. Customers will enter the store scanning QR code on the app.
3. E-Wallet to be verified - linked with the application.
4. Customers can also check on the app whether the product is available or not in the store.
5. App will show on which shelf the product is kept.
6. Camera will track customer’s behavior in the store.
7. Customers will pick the item and it will automatically be placed in the cart and make an update on the shelf.
8. Customer pays through his E-Wallet when he leaves the store.
9. App will give suggestions to customers based on their current purchases.
10. Customers can pick up the pre-ordered (for which he has already paid) items from the shop.
11. Customers will get suggestions regarding best sellable items based on his/her earlier purchases.
12. Customers will also be able to put a review for a particular item or an order.
13. Store owner will need to manage staff (employees) in the store.
14. Store staff will manage the products in the inventory.
15. Sales team will be able to monitor the sales of the product.