**Project Idea and Problem regarding this issue :**

The point of sale is the time and place where a retail transaction is completed. At the point of sale, the merchant calculates the amount owed by the customer, indicates that amount, may prepare an invoice for the customer, and indicates the options for the customer to make payment. The owner also can count all the sold or stored item and can update the bar code for all product. So, everything can be under controlled by the owner. In a super shop store, all product for sale is stored in the self so that customer can buy it by their own .For this a issue can arise if the shop owner doesn’t have any accounting of the selling product and owner can be deceived by the salesman of the shop.

**Solution for this issue :**

If all the product is accounted by the owner himself then he can not be deceived by anyone .With this web application , the owner can control their shop very easily . They can make accounts of all product by making a bar code. In a word , the full store can be controlled by the owner himself .

**Features:**

1. **Sign in/out:** There will be multiple users , either with admin power or without admin power, who will be able to log in to see the item inside the web application.
2. **Category Defines:** There will be category defined for each of every product.
3. **Adding brand:** There will be also added the Brand name of every item of this point of sale system.
4. **Add product :** There will be a option for adding items by scanning or by manually.
5. **Add new supplier:** Product supplier’s information will be stored in the database based on category, product & brand.
6. **Product Updating:** Product can be updated by only manually adding the bar code.
7. **Add barcode in the product and update:** Product can be added by auto generation of barcode .
8. **New Item Sale:** There will be a option for auto scanning barcode and add product to cart. Quantity selection and price based with quantity things will be added. Owner can give discount in percent or round. Cash back by calculating discount .And store all information to database. Subtract selling quantity from product quantity. And print customer invoice.
9. **Return product:** If any of sold product come back for return , then it will be added automatically to the database by scanning the bar code and remaining items will be auto fix.
10. **Check Price:** With the help of auto barcode scanning system , the owner can check for price.
11. **Accounts:** In this feature All selling products amount is shown. Available total cash,given total discount is shown. And keep accounts how many cash has been deposited or withdrawal.
12. **Manually New Item:** Manually typing barcode and add product to cart. Quantity selection and price based with quantity. Owner can give discount in percent or round. Cash back by calculating discount .And store all information to database like how many product sold, discount in percent or round, final discount, customer id, selling date. Subtract selling quantity from product quantity. And Print customer invoice
13. **Stock Status:** In this feature all added product is shown with all information.
14. **Daily Sale:** Show all the sold product on current day
15. **Weekly Sale:** Show all the sold product from between current day to last 7days
16. **Sale Info:** Show all the sold product between any calendar date.
17. **Customer invoice:** Print customer invoice with customer id.

**Tools and necessary things:**

* HTML , CSS, Bootstrap
* PHP 7, JavaScript
* MySQL
* Xampp

**Monetization / Business Plan:**

In my point of sale project , I would like to add some payment method which is supported in Bangladesh . Such as Bkash , Ukash , Rocket , Credit Card payment method so that the customer can buy products and can pay through online money payment .