**Problem Statement**

Build a basic Point of Sales (POS system). The following things are being provided along with:

1. a PDF with screen images at different stages.
2. a JSON file with data for all the items that can be sold from this POS
3. Images that need to be used on the screen representing the items for sale.

Below are the list of tasks that need to be completed as part of this exercise:

* 1. Create the landing page (Main Screen) as depicted on the 1st page of the pdf.
     + - This will have all the products listed on the right hand side of the screen
       - The left hand of the screen will be empty at first showing the message “THERE ARE NO PRODUCTS”.
       - At the bottom end of the left hand side are going to be 4 fields: “Sub Total”, “VAT Tax”, “Discount” and “Total”. All fields will be blank first. “VAT Tax” and “Discount” fields will be manually filled while “Sub Total” and “Total” will be automatically calculated based on the items/products added.
       - At the bottom of the screen will be 2 buttons “CANCEL SALE” and “PROCESS SALE” for reseting all entires to blank as on the first landing and the other button for completing the sale respectively.
  2. The 2nd page on the pdf depicts how the product images will look when you hover on a certain product. Depending upon what information is available for a certain product in the JSON file, upon hover show all that is available from the following attribute list:
     + - the Product Price
       - the Product Description
  3. As depicted on 3rd page on the pdf, user can add a product to the left hand side by simply clicking on the associated product on the right hand side. Clicking on the product twice will increase the product quantity to 2 in the left hand side. Any subsequent clicks will keep increasing the quantity.
  4. On the left hand side of the screen, the user can delete an item by clicking on the red cross icon in front of the product.
  5. Here, the user can also increase or decrease the number of added products by clicking on +/- icon on the product Quantity column.
  6. As and when an item is added, deleted, increased or decreased in quantity, the sub total and total should automatically get adjusted.
  7. The VAT and Discount will only accept percentages.
  8. The VAT calculation is done on the Sub Total.
  9. The Discount calculation is also done on the Sub Total and the VAT does not get impacted by the discount.
  10. The Total is calculated as Sub Total + VAT amount + Discount amount
  11. When the user clicks on “Cancel Sale” button, all the information is reset.
  12. When the user clicks on the “Process Sale” button, they see a pop-up which is a receipt whose details are on Process Sale (page 4) of the pdf. When the user clicks on Close button of the Receipt, the sale is completed and the user is taken to the Landing Page with all data reset to initial state.