* PROBLEM STATEMENT



* SOLUTION
  + ASSUMPTION
    - I am assuming Customer may reach to shopping counter with multiple items either of same or different category.
    - Cashier on the Shopping counter will scan each item and get the scanned bar code into our system
    - On the start of our application I am making our shop ready i.e all the items are tagged with barcode like A001 and ready to be picked from shop.
  + TECHNOLOGY USED

|  |  |
| --- | --- |
| 1 | Spring Boot |
| 2. | Maven |
| 3. | J-unit |
| 4. | Rest WS |
| 5. | Core Java |
| 6. | IntelliJ IDEA |
| 7. | Post Man |

* SETUP
  + Clone code from git and run with IntelliJ IDEA.
  + GIT URL: <https://github.com/piyushvj/ShopingCounter>
  + From Post-Man make a POST request with below data [*data in table*].
  + "A001", "A002", "A003" are the barcodes defined for items of category A
  + "B001", "B002", "B003" are the barcodes defined for items of category B
  + "C001", "C002", "C003" are the barcodes defined for items of category C
  + Response data categories items according to category and calculate tax amount as per quantity and category. Also, it contains the total count of items purchased, total of item price, total of items tax, and grand total which a customer has to pay.
* REQUEST/ RESPONSE DATA

|  |  |
| --- | --- |
| **REQUEST JSON | POST METHOD** | **RESPONSE JSON** |
| **http://localhost:9090/counter/product/purchased** |  |
| **{**  **"barcods":["A001", "A001", "C001", "C003", "B003", "B003"]**  **}** | **{**  **"invoiceRowList": [**  **{**  **"serialNumber": 1,**  **"itemName": "Jeans",**  **"itemPrice": 3000,**  **"taxAmount": 600,**  **"itemQuantity": 2**  **},**  **{**  **"serialNumber": 2,**  **"itemName": "Guitars",**  **"itemPrice": 20000,**  **"taxAmount": 0,**  **"itemQuantity": 1**  **},**  **{**  **"serialNumber": 3,**  **"itemName": "Trumpet",**  **"itemPrice": 10000,**  **"taxAmount": 0,**  **"itemQuantity": 1**  **},**  **{**  **"serialNumber": 4,**  **"itemName": "Cauliflower",**  **"itemPrice": 40,**  **"taxAmount": 16,**  **"itemQuantity": 2**  **}**  **],**  **"totalItem": 6,**  **"totalPrice": 36080,**  **"totalTax": 616,**  **"totalBillAmount": 36696**  **}** |