

# PROJECT 1 : *Keeping It Core Java*

## Simple Java App with Console Output

- Project Name : CoreJavaStandAloneShoppingApp
- Domain : eCommerce (Individual)
- Application Type : Core Java
- Architecture Used : MVC - use Java Class to render console outputs
- User Interface : System Terminal / Console
  
- **Product Overview:**
  - Create an application where a customer/user can purchase some items as well as replace them till validity is there.
  - **Minimum requirements:**
    - 1. Collections can be used for storing data in program memory
    - 2. Follow Screenshots Below for Menu Structure
    - 3. In Register user will be asked for user email and password and confirm password (can use regex pattern there)
      - After registration app should asked for login
      - After successful login app should divert into showing an items list
    - User can replace item ,for replacing he should put Invoice number ,then bill will generate accordingly ,user will select an item ,item code will match ,before proceeding for returning item ,validity of that item should check like 15 days after purchasing is valid else can not return an item , if everything gets ok user will get his amount back.
  - **Bonus/Optional Expansions**
    - 1)If use sql , mysql for storing data in db using jdbc
    - 2)adding more functionality will be seen as a great source of creativity from student's side like can do workout with user's profile and on menu and on returning items.
    - 3)correct naming conventions of each member of class and nice indentation of code would be count as a creativity points

## PROJECT 1: ScreenShots

### Start Menu:

```
Standalone Ecommerce App
+=====+
| 1.REGISTER          |
| 2.LOGIN             |
| 3.BUY AN ITEM       |
| 4.REPLACE AN ITEM   |
| 5.EXIT              |
+=====+
```

### After Login:

```
Standalone Ecommerce App
+=====+
| Items  Item Code  Price          |
| 1.Jacket   Ja1    20$           |
| 2.Jeans   Je1    10$           |
| 3.Shirt   Sh1     5$           |
| 4.EXIT                                |
+=====+
```

### Invoice:

```
Standalone Ecommerce App Invoice
+=====+
|Customer Name :_____ Date:1:13 AM 12/09/2020 |
|Invoice no :_____ |
| Items  Item Code  Price          |
| 1.Jacket   Ja1    20$           |
| 2.Jeans   Je1    10$           |
| 3.Shirt   Sh1     5$           |
|                                     |
| Total = 35$                      |
+=====+
```