

ZENSAR

JAVA FS

ASSIGNMENT – 11 (Sprint-3a)

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3rd Mini Project

Sprint 3a

Product → bean package
pid, pname, price, datepurchase

Pure Business Logic

ProductService → service package don't use System.out.println → in service
List/Set/Map of Product object.

addProduct() : product object as parameter
 price > 500 Before calling database
Dao method call to store the records

deleteProduct() delete using Pid no business logic

updateProduct() no business logic
 pid, price

displayProductUsingMargin() after retrieve business logic
 20% + actual price using Stream API or without Stream API

displayAllProduct(): Call DAO Method

displayAllProductLowPrice() Asc Price
displayAllProductHighPrice() Des Price
displayAllProductName() Asc
displayAllProductName() Desc

Using Stream API but don't call DAO methods

ID ----> 93258

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Resource Layer

Get Db Connection

Singleton (optional)

DAO Layer (Pure JDBC Logic)

```
addProduct(Product pp) {  
    JDBC code to store the product  
    Primary key  
}  
deleteProduct(pid ) {  
  
}  
updateProduct(Product pp) {  
  
}  
List<Product> retrieveAllProduct() {  
    Using ResultSet retrieve all records and  
    convert to object and store in List/Set/Map  
}
```

Product table → Product class

PID	pid
PName	pname
PRICE	price

jUnit

Testing for Service Layer
Testing for Dao Layer
Testing for Resource Layer