

```
package com.example.demo.Service;
```

```
import com.example.demo.Modele.Product;
```

```
import com.example.demo.Modele.User;
```

```
import lombok.RequiredArgsConstructor;
```

```
import org.springframework.stereotype.Service;
```

```
import java.util.ArrayList;
```

```
@Service
```

```
@RequiredArgsConstructor
```

```
public class ProductService {
```

```
    private final ArrayList<Product> product = new ArrayList<>();
```

```
    private final MerchantStockService merchantStockService;
```

```
    private final UserService userService;
```

```
    private Product[] products;
```

```
    public ArrayList<Product> getProduct() {
```

```
        return this.product;
```

```
    }
```

```
    public Boolean updateProduct(Product product) {
```

```
        return true;
```

```
    }
```

```
    public Object addProduct(Product product, boolean MerchantService) {
```

```
        boolean MerchantStockService = merchantStockService.addMerchantStock();
```

```
        if (MerchantService == null) {
```

```
            return " This Is Valid a Bad Request";
```

```
            return product.add(product);
```

```

    }
}

public Integer buyProduct(String productID,String userID) {
    Product currentProduct = findproductByIdByld(productID);
    User currentUser = userService.getUser(userID);
    if (currentProduct == null) {
        return -1;
    }
    if (currentUser == null) {
        return 0;
    }
    if (currentProduct.getId() => currentUser.getBalance()){
        return 1;
    }
}
}

```

```

public Product findproductByIdByld(String productID){
    for (Product product:products) {
        if(product.getId().equals(productID)){
            return product;
        }
    }
    return null;
}

```

```
public boolean deletProduct (String id){  
    Product product = getProduct(id);  
    if (product == null) {  
        return false;  
    }  
    product.remove(product);  
    return true;  
}  
  
public Product getProduct (String productId){  
    for (Product product : products) {  
        if (product.getId().equals(productId)) {  
            return product;  
        }  
    }  
    return null;  
}  
}
```