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

import com.example.demo.Modele.Cart;

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 UserService {

  private final ArrayList<User> user = new ArrayList<>();

  private final ProductService productService;

  private final CartService cartService;

  private User[] users;



  public String addUser(User user) {

    Product currentProduct = productService.getProduct(user.getId());

    Cart currentCart = cartService.getCart().get(Integer.parseInt(user.getId()));

    if (currentProduct == null || currentCart == null){

      return "Valid a Bad Request";

    }

    return user.add(user);

  }
```

```java
public User getUser(String userid) {

    for (User user : users){

        if (user.getId().equals(userid)){

            return user;

        }

    }

    return null;

}


public User updateUser(User user) {


    if(user.getProduct()|| user.getCart()== null) {

        return null;

    }

    return user;


}


public boolean deletUser(String id) {

    Product currentProduct = productService.getProduct(user.getId());

    Cart currentCart = cartService.getCart().get(user.getId());

    if (currentProduct == null || currentCart == null){

        return Boolean.parseBoolean("Valid a Bad Request");

    }

    return user.add(user);

}


public Boolean updatUser(User user) {
```

```
        return false;

    }

}
```