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Abstract classes

The Inventory can be improve to an abstract class

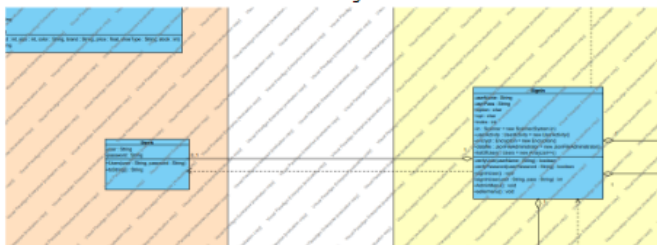
```
public class Inventory {

    public void addProduct(
        int ID, int size,String brand,
        String color,float price,String shoeType,
        int stock){
        PairOfShoes shoes = new PairOfShoes(ID,size,color,brand,price,shoeType,stock);
        System.out.println(shoes.toString());
        JsonFile&Administrator jsonFile = new JsonFile&Administrator();
        jsonFile.addProduct(shoes);
    }
}
```

```
public class PairOfShoes {
    private int id;
    private int size;
    private String color;
    private String brand;
    private float price;
    private String shoeType;
    private int stock;
    private String shoeFor;

    public PairOfShoes(int id, int size, String color, String brand, float price, String shoeType, int stock, String shoeFor) {
        this.id = id;
        this.size = size;
        this.color = color;
        this.brand = brand;
        this.price = price;
        this.shoeType = shoeType;
        this.stock = stock;
        this.shoeFor = shoeFor;
    }
}
```

Make the class "User" abstract and have two daughters "Administrator" and "Cashier"



Single Responsibility

```
package es.edu.epe.gia.model;

public class Client {
    private int ci;
    private String name;
    private String lastName;
    private int telephone;
    private String address;
    private String email;

    public Client(int ci, String name, String lastName, int telephone, String address, String email) {
        this.ci = ci;
        this.name = name;
        this.lastName = lastName;
        this.telephone = telephone;
        this.address = address;
        this.email = email;
    }

    public Client() {
    }

    public int getCi() {
        return ci;
    }

    public void setCi(int id) {
        this.ci = id;
    }

    public String getName() {
        return name;
    }

    public void setName(String name) {
        this.name = name;
    }

    public String getLastName() {
        return lastName;
    }

    public void setLastName(String lastName) {
        this.lastName = lastName;
    }

    public int getTelephone() {
        return telephone;
    }

    public void setTelephone(int telephone) {
        this.telephone = telephone;
    }

    public String getAddress() {
        return address;
    }

    public void setAddress(String address) {
        this.address = address;
    }

    public String getEmail() {
        return email;
    }

    public void setEmail(String email) {
        this.email = email;
    }
}
```