Home Appliances Installment Business Software

(Software For Installment Business)

WELCOME MESSAGE

From developer

I'm Ali Raza student of computer science. I'm working on Home Appliances Installment Business Software which will be used to enhance the effectiveness of this business in new digital world and brings easiness in lives of businessmen concern to this business. This software is complete solution of all problems regarding this business.

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Problem

Electronic Appliances on Installment is a very popular business especially in developing countries where people don’t have enough money to buy things directly. So it’s the need of the hour to digitalize this business. This software is concern with the following problems :

- avoid all the paper work
- Human errors in money transactions and records
- Manual Paper work which is difficult to handle
- To overcome small customers approach problem
- Damaged past record or completely lost past record problem
- Checking customer provided documents authenticity instantly on internet
- keeping and managing records of supplier companies
- Calculating monthly and yearly based bye, sell and profit records
- Calculating monthly based recoveries and new sales.
- Indicating smooth installment paying customers for some discount, short-installment paying customers for fine and those defaulters who doesn't have payed any installment to take actions against them
- Receiving customers complains and displaying weakly based complains status(solved or not).
- Help section for new customers about appliances, installments and other company detail.

solutions

Write main solutions you are providing

Account Management class

This contains methods to Add new account ,Search account, Remove account, Display Accounts

Account Class

This class contain different attributes of a user Account i.e. Name,CNIC,Item etc.

Account Display Method

This method will display all attributes of a Customer or Account holder

Purchase Management Class

This contains methods to Add new Item, Search Item ,Remove item, Display item

Purchase Class

This class contains different attributes of a purchased item i.e.. Name, Price, Quantity.

Purchase Display Method

This method display all the detail of a purchased item.

Complain Management Class

This contains methods to Add new Complain, Search Complain ,Remove Complain, Display Complains

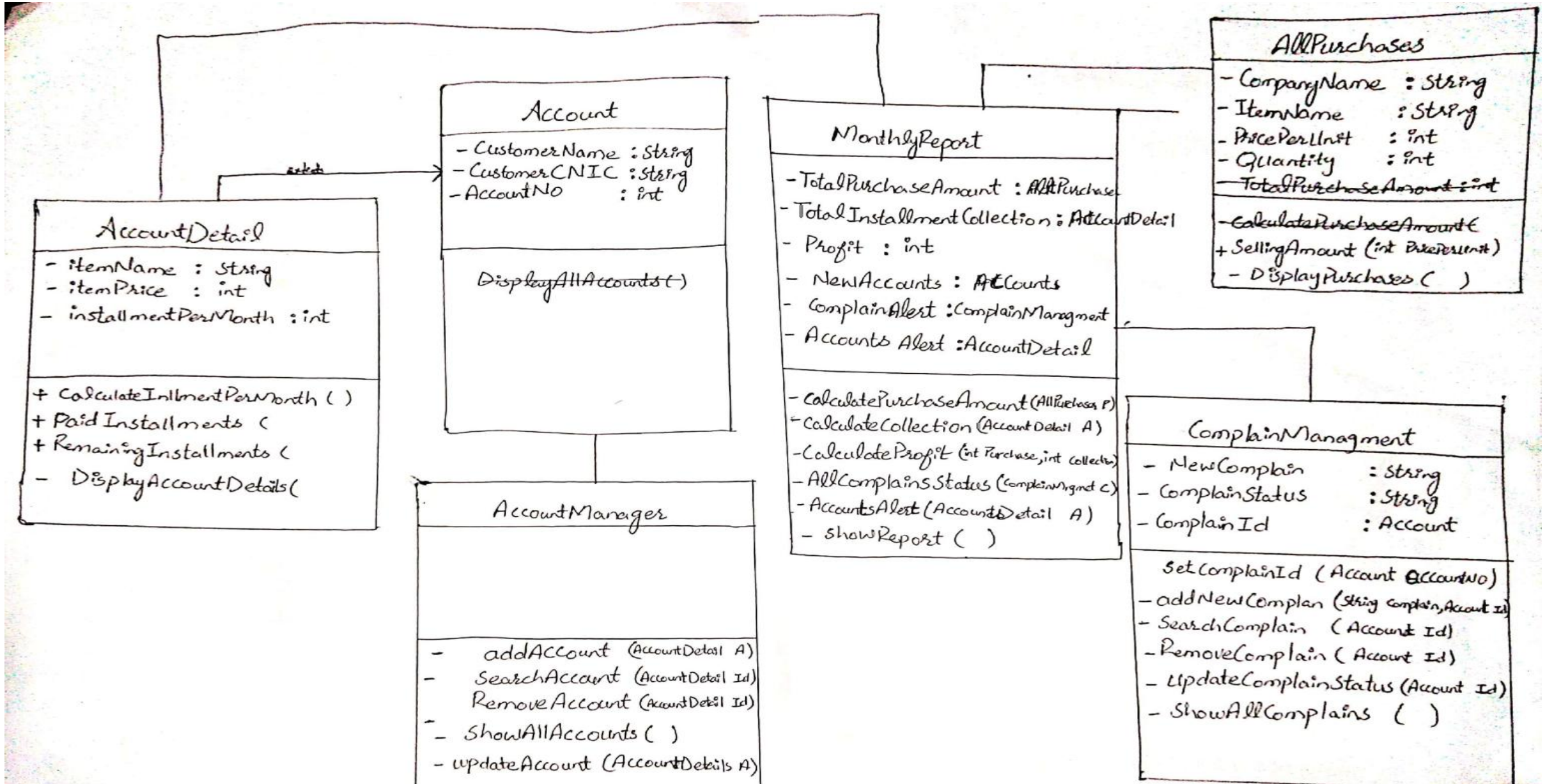
Complain Class

This class contains different attributes about a Complain i.e.. Complainer, Status, Description.

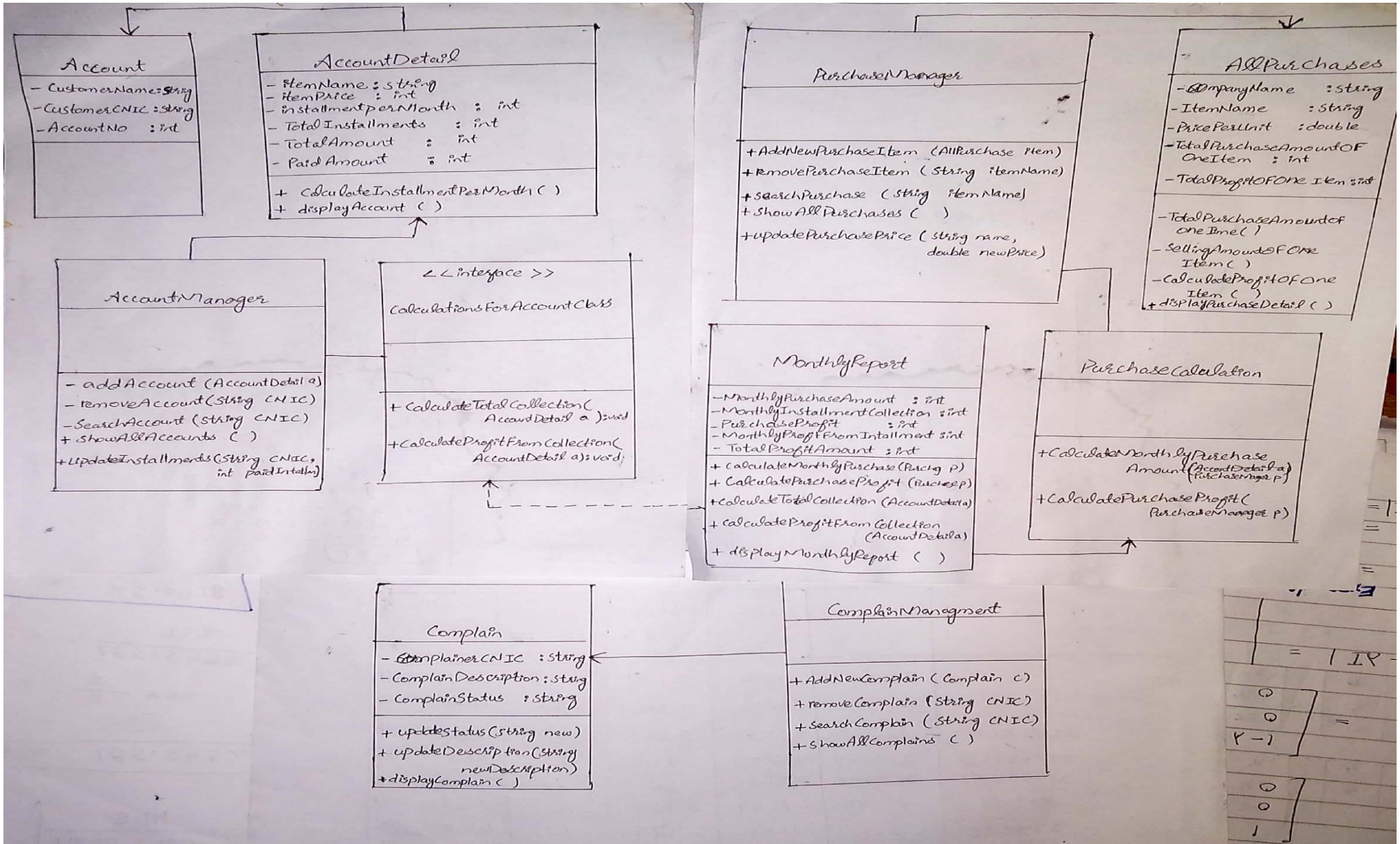
Complain Display Method

This method display the detail of a complain,

Proposed Class Diagram



Class Diagram of submitted project



Screenshot of solution

- Add method will add elements of different classes

```
public void addAccount(AccountDetail accountDetail) {
    if (Accounts.contains(accountDetail)) {
        System.out.println("Account you are trying to  add already exist");
     } else {

         Accounts.add(accountDetail);
        System.out.println("Account Added Successfully");
    }
}
```

- Remove method will remove elements of different classes

```
public void remove(String CNIC) {
    for (AccountDetail a : Accounts) {
        if (a.getCNIC().equalsIgnoreCase(CNIC)) {
            if (Accounts.remove(a)){
            System.out.println("-- Account is removed Successfully --");
        } else {
            System.out.println("-- Account dose not exist --");
        }
    }
}}
```

- Search method will search element of different classes

```
public void SearchAccount(String CNIC) {
    for (AccountDetail a:Accounts) {
        if (a.getCNIC().equalsIgnoreCase(CNIC)) {
            System.out.println("-- your Searched account exist --");
            System.out.println("-- Detail of your searched account is here --");
        a.displayAccount();
    } else {

    System.out.println("-- your searched account dose not exist --");
}}}
```

- Update method will update different fields of different classes

```
public void updateComplainDescription(String complainerCNIC,String complainDescription ) {
    for (Complain c : Complain) {
        if (c.getComplainerCNIC().equalsIgnoreCase(complainerCNIC)) {
            System.out.println("-- your Searched Complain exists --");
            System.out.println("-- Detail of your searched Complain after update is here --");
            c.updateDescription(complainDescription);
            c.displayComplain();
        } else {
            System.out.println("-- your searched Complain dose not exist --");
        }
    }
}
```

- Display method will display detail of an element of a class

```
public void displayComplain(){
    System.out.println("Complain Id (CNIC)  "+getComplainerCNIC());
    System.out.println("complain status     "+getComplainStatus());
    System.out.println("****complain description *****");
    System.out.println(getComplainDescription());
    System.out.println("*****************************");
    System.out.println("-----------------------------------");

}
```

THANK YOU

Project name: Home Appliances Installment Business Software

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