

```

Source  Design  History
1      package user_Interface;
2
3      import business.AddData;
4      import business.MasterOrderCatalog;
5      import business.PharmacyDirectory;
6      import business.StoreDirectory;
7      import java.awt.CardLayout;
8      import userinterface.CVSadmin.AdminWorkAreaJPanel;
9      import userinterface.CVSadmin.LoginPharmacyJPanel;
10     import userinterface.storeAdmin.LoginStoreJPanel;
11     import userinterface.storeAdmin.StoreWorkAreaJPanel;
12
13
14     public class MainJFrame extends javax.swing.JFrame {
15
16         private PharmacyDirectory pharmacyDirectory;
17         private MasterOrderCatalog masterOrderCatalog;
18         private StoreDirectory storeDirectory;
19         AddData d = new AddData ();
20
21         public MainJFrame() {
22             initComponents ();
23         }
24     }

```

This is the welcome interface of the software. This interface has basically three buttons. Each button has different meaning. CVS admin for pharmacy admin, Pharma admin for company and store admin for the customer.

Add Drug Details

Drug ID	<input type="text"/>	Quantity	<input type="text"/>
Drug Name	<input type="text"/>	Price	<input type="text"/>
Drug Type	<input type="text"/>	Composition	<input type="text"/>
Drug Description	<input type="text"/>		
Manufacturing Date	<input type="text"/>	Drug color	<input type="text"/>
Expiration Date	<input type="text"/>		

```

16 public class AddDrugsJPanel extends javax.swing.JPanel {
17
18     /**
19      * Creates new form ManageDrugsJPanel
20      */
21     private JPanel userProcessContainer;
22     private DrugCatalog drugCatalog;
23     private Validator validator;
24     public AddDrugsJPanel(JPanel userProcessContainer, DrugCatalog drugCatalog) {
25         initComponents();
26         this.userProcessContainer = userProcessContainer;
27         this.drugCatalog = drugCatalog;
28     }
29
30     private void backAction() {
31
32         //add refresh button and also call populateTable
33         userProcessContainer.remove(this);
34         Component[] componentArray = userProcessContainer.getComponents();
35         Component component = componentArray[componentArray.length - 1];
36         ViewPharmacyCompany viewpharmaPanel = (ViewPharmacyCompany) component;
37         viewpharmaPanel.populateTable();
38         CardLayout layout = (CardLayout) userProcessContainer.getLayout();
39         layout.previous(parent: userProcessContainer);
40
41     }
42

```

This is AddDrug Details Page. In this page we can add Drug name, Drug price, Drug type, Composition, Drug description, Manufacturing date, Expiration date, Drug color. After adding any data to this page and create a new drug this will be shown in the manage drug page.

New Store

Name

Location

ADD STORE

<<BACK

```
package userinterface.CVSadmin;

import business.Store;
import business.StoreDirectory;
import business.Validator;
import java.awt.CardLayout;
import java.awt.Component;
import java.util.ArrayList;
import javax.swing.JOptionPane;
import javax.swing.JPanel;

public class AddStore extends javax.swing.JPanel {

    /**
     * Creates new form AddStore
     */
    private JPanel userProcessContainer;
    private StoreDirectory storeDirectory;
    private Validator validator;

    public AddStore(JPanel userProcessContainer, StoreDirectory storeDirectory) {
        initComponents();
        this.userProcessContainer = userProcessContainer;
        this.storeDirectory = storeDirectory;
    }

    /**
```

In this page we can add a store. We can set the name and location of the store. After adding this will be shown in the manage store page.

My Work Area -Administrative Role

Manage Pharmacy Company >>

Manage Stores >>

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```
package userinterface.CVSadmin;

import business.PharmacyDirectory;
import business.StoreDirectory;
import java.awt.CardLayout;
import javax.swing.JPanel;

public class AdminWorkAreaJPanel extends javax.swing.JPanel {

    private JPanel userProcessContainer;
    private PharmacyDirectory pharmacyDirectory;
    private StoreDirectory storeDirectory;
    public AdminWorkAreaJPanel(JPanel userProcessContainer, PharmacyDirectory pharmacyDirectory, StoreDirectory storeDirectory) {
        initComponents();
        this.pharmacyDirectory = pharmacyDirectory;
        this.userProcessContainer = userProcessContainer;
        this.storeDirectory = storeDirectory;
    }

    Generated Code

    private void managePharmacyJButtonActionPerformed(java.awt.event.ActionEvent evt) {
        ManagePharmacy mp = new ManagePharmacy(userProcessContainer, pharmacyDirectory);
        userProcessContainer.add(name: "manage Pharmacy", comp: mp);
        CardLayout layout = (CardLayout) userProcessContainer.getLayout();
        layout.next(parent: userProcessContainer);
    }
}
```

This is pharma admin page. In this page we can have administrative role. We can manage pharma Company and we can manage stores. After pressing Manage Pharmacy Company button it will be Redirect to a new page. After pressing Manage stores this will be redirect to store page.

jLabel1

Drug Name	Drug Id	Drug Availability

Add Drugs

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```
import business.DrugCatalog;
import business.Pharmacy;
import java.awt.CardLayout;
import javax.swing.JPanel;
import javax.swing.table.DefaultTableModel;

public class ViewPharmacyCompany extends javax.swing.JPanel {

    private JPanel userProcessContainer;
    private Pharmacy pharmacy;
    public ViewPharmacyCompany(JPanel userProcessConatiner, Pharmacy pharmacy) {
        initComponents();
        this.userProcessContainer = userProcessConatiner;
        this.pharmacy = pharmacy;
        // addDrugsJButton.setEnabled(false);
        populateTable();
        pharmacyNameLabelName.setText(pharmacy.getStoreName()); //to get supplier
    }

    public void populateTable()
    {
        DefaultTableModel dtm = (DefaultTableModel) drugsCatalogJTable.getModel();
        dtm.setRowCount(0); //to make row count 0
        // int rowCount = accountJTable.getRowCount();
        for (Drug drugs : pharmacy.getDrugCatalog().getDrugList())
        {
            Object[] row = new Object[3];
            row[0]=drugs;
```

This is the drug option page. In this page we can see the Drug name, Drug Id and Drug availability.

Also we can add more drugs by pressing Add Drugs button.

Order items from CVS pharmacy

jLabel4

Pharmacy Company

Search Drug

Pharmacy Drug Catalog

Name	Drug Id	Price	Avail

View Drug Detail

Sales Price

Quantity: 0

ADD TO CART

Item in cart

Item Name	Price	Quantity	Total Amount

View Item

Modify Quantity

Check out

Remove

```

/** Creates new form BrowseDrugs */
private JPanel userProcessContainer;
private PharmacyDirectory pharmacyDirectory;
// private MasterOrderCatalog masterOrderCatalog;
private Store store;
private Order order;
boolean isCheckedOut = false;

public BrowseDrugs(JPanel userProcessContainer, PharmacyDirectory pharmacyDirectory, Store store) {
    this.store = store;
    this.userProcessContainer = userProcessContainer;
    this.pharmacyDirectory = pharmacyDirectory;
    initComponents();
    populatePharmacyCombo();
    storeNameetxt.setText(store.getStoreName());
}

public void populatePharmacyCombo(){
    pharmaComboBox1.removeAllItems();

    for(Pharmacy pharmacy: pharmacyDirectory.getStoreList())
    {
        pharmaComboBox1.addItem(pharmacy);
    }
    populatePharmaTable();
    //to display product in d table
    if(!isCheckedOut){
        order = new Order(); //
    }
}

```

This is the order items page from CVS pharmacy. This page has multiple functionality. In this page we can select a company from the menu bar. We can search drug by Drug Id. We can see the Drug details in Pharmacy Drug Catalog . In drug catalog we can see the drug name, Price and available drug on a certain company. By pressing view drug details we can see the details of a drug item. In the item in cart table we can see the name of the drug which we added to our cart and the total amount. Also we can modify the quantity of the drug, remove any item and checked out.

```
package userinterface.storeAdmin;

import business.PharmacyDirectory;
import business.Store;
import business.StoreDirectory;
import java.awt.CardLayout;
import javax.swing.JPanel;

public class LoginStoreJPanel extends javax.swing.JPanel {

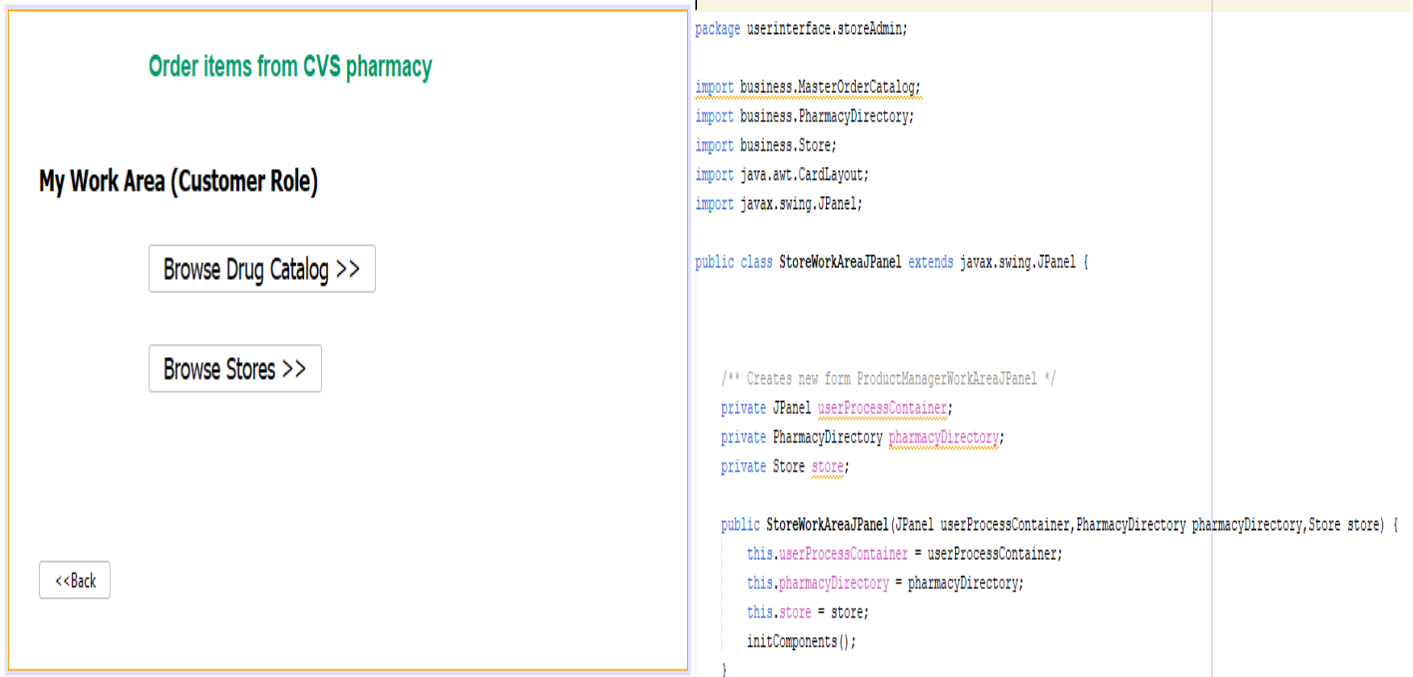
    /**
     * Creates new form LoginStoreJPanel
     */
    private JPanel userProcessContainer;
    private StoreDirectory storeDirectory;
    private PharmacyDirectory pharmacyDirectory;
    public LoginStoreJPanel(JPanel userProcessContainer, PharmacyDirectory pharmacyD
        this.userProcessContainer =userProcessContainer;
        this.storeDirectory =storeDirectory;
        this.pharmacyDirectory =pharmacyDirectory;
        initComponents();

        storeJComboBox.removeAllItems();

        for(Store store : storeDirectory.getStoreList())
        {
            storeJComboBox.addItem(item: store);
        }

}
```

This is simple store login login page. Here we can select a store and by pressing go button this will redirect to a new page where we can see the store location and how many pharmaceuticals company under the store.



This is the admin page from customer role. Here a customer can browse drug catalog and browse Stores. In drug catalog he can see the drug name, drug price, drug id and availability of the drug.

View Drug Detail

Drug Name:

Drug ID:

Price:

Availability:

<< BACK

```
package userinterface.storeAdmin;
```

```
import business.Drug;
```

```
import java.awt.CardLayout;
```

```
import javax.swing.JPanel;
```

```
public class ViewDrugDetailJPanel extends javax.swing.JPanel {
```

```
    /** Creates new form CreateProductJPanel */
```

```
    private JPanel userProcessContainer;
```

```
    private Drug drug;
```

```
    public ViewDrugDetailJPanel(JPanel userProcessContainer, Drug drug) {
```

```
        this.userProcessContainer = userProcessContainer;
```

```
        this.drug = drug;
```

```
        initComponents();
```

```
        nameField.setText(t: drug.getDrugName());
```

```
        idField.setText(t: String.valueOf(i: drug.getDrugID()));
```

```
        txtPricel.setText(t: String.valueOf(i: drug.getDrugPrice()));
```

```
        txtAvail.setText(t: String.valueOf(i: drug.getDrugAvailability()));
```

```
    }
```

This is view drug details page. In this page a customer can see the details about the drug like Drug name, Drug ID, Price and availability.

View Order Item Detail

Drug Name:

Drug ID:

Price:

Quantity:

Paid Price:

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```
import business.OrderItem;
import java.awt.CardLayout;
import javax.swing.JPanel;

/**
 * @author Zerel
 */
public class ViewOrderItemDetailJPanel extends javax.swing.JPanel {

    /**
     * Creates new form ViewOrderItemDetailJPanel
     */
    private JPanel userProcessContainer;
    private OrderItem orderItem;
    public ViewOrderItemDetailJPanel(JPanel userProcessContainer, OrderItem orderItem) {
        this.userProcessContainer = userProcessContainer;
        this.orderItem = orderItem;
        initComponents();
        txtProductName.setText(this.orderItem.getDrug().getDrugName());
        txtProductId.setText(this.orderItem.getId().toString());
        txtSalesPrice.setText(this.orderItem.getPrice().toString());
        txtPaidPrice.setText(this.orderItem.getPrice().toString());
        txtQuantity.setText(this.orderItem.getQuantity().toString());
    }
}
```

This is view order item detail page. In this page a customer can see the order details after added any drug to the cart.