



CAVITE STATE UNIVERSITY
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Department of Information Technology



Supplies Inventory System for AC/DC Component Parts and Service Center, Inc

**In Partial Fulfillment of the Requirements
in Software Engineering II**

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CHAPTER I

INTRODUCTION

One of a company's most significant assets is its inventory. A company's inputs and production of goods form the foundation of its operation in retail, manufacturing, and other inventory-intensive industries. A scarcity of inventory when and where it is required might be disastrous. Since a business normally wants to sell its items within a short period of time, such as a year, inventory is a current asset. Before inventory can be included to a balance sheet, it must be physically counted or measured. Many new or small retailers begin with low-tech, manual methods. In other words, they use a pen and paper to keep track of inventory. To maintain records up to date, each sale and delivery is recorded in a ledger as it occurs. The only thing left for the business owner to do now is to double-check the written record as needed. They might want to figure out when to place a purchase order with suppliers, for example. The key advantages of this type of technology are its simplicity and low cost. On the other hand, human mistakes, as well as the system's lengthy nature, are important flaws.

Inventory control and effective inventory management are comparable - and the definition is simple. Inventory management is the process of keeping track of how much stock you have on hand in your warehouse, in your store, or with other retailers and distributors. This allows you to get the correct quantity of units in the right place at the right time for the right price. Keeping track of your inventory is critical to your retail performance. After all, your duty is to produce things to meet consumer demand at the most basic level. You won't be able to do that without good inventory management.

We proposed a system that has features that allow the Company to integrate an inventory management system with these. It allows users to categorize and tag list items, as well as provide a description, status, and due date to each one. Since the inventory is centralized, it is much easier to arrange and maintain, lowering the risk of discrepancies and errors in the records. This would make the company's supply inventory more convenient.

The background of the study, the statement of the problem, the Ishikawa diagram, the objectives of the study, and the scope and limitations of the study are all included in this chapter.

Background of the Study

AC/DC Component Parts Service Center is a company/business that is started by the grandfather of the proponents' friend who is the beneficiary of this whole system that the proponents will make. AC/DC Component Parts Service Center is an electronic shop that sells and repairs any electronic devices and it is located in Cebu City and has 3 branches there, but our focus is solely on the main branch which is being managed by the proponents' friend's father.

According to the proponents' friend is that the current system that their business is using is a pen-and-paper kind of system wherein they literally just write down the everything in the paper and according to her there are instances wherein data are lost because paper can easily be lost in the stockpile of papers and she said that inventory is a mess because of the confusion with the data and other stuffs and that is why the

proponents decided to take their business as beneficiary in order to give them better inventory system to keep track of their records and in order for them to have more efficient system around.

Hence, the proponents made a software that will replace their initial system and create a software that has a system that will keep tabs on their inventory and with this they can solve the problem that pesters them within the logistics, the other thing that the software that will be used in this business is the ability of the software to store the data that the beneficiary wants to record and the beneficiary won't have a hard time finding the data they want to check at unlike their initial system wherein paper tends to get lost. The last thing that the proponents' software can do is its categorizing capability, wherein it organizes and manages the inventory which would minimize the possible discrepancies and errors within the record. The application is compatible with all Windows-based Microsoft computers, including older versions of the popular computer processor. The technology is so simple to use that even a kid with little knowledge about computers can utilize it.

Company Historical Background

AC/DC Component Part Sales & Service Center, Inc. was founded in 1985 by Conciso Macias. That offers various electronic components (Resistors, Transistors, Integrated Circuits), Amplifiers, Speakers, CCTV, Cable Tv, LED Lightings (General, Streetlight, Architectural, Video Wall), various Electronic Supplies, Pro Audio and Lighting System in a single store at 208 V Gullas, Cebu

City, 6000 Cebu. Today, the company is privileged to serve hundreds of customers every day with its two branches.

The company name AC/DC is inspired by one of the famous rock bands in the '70s and as people know, AC and DC in electronic matter means Alternating Current and Direct Current. Since that is the case, it is decided that the company name will be a play on the acronym AC/DC.

It all began when Mrs. Macias borrowed money from her sister-in-law to start a jeep business, and when they began to save money, Mr. Macias started the company small by offering repair services. After years of repairing, he started purchasing products overseas, particularly in China, where he grew up and had many connections. The business started to grow and become one of Cebu City's most successful businesses.

AC/DC Component Part Sales & Service Center, Inc. is the first company that sells various electronic components in Cebu City.

In April of 2015, Mr. Macias died, passing the inheritance of the company ownership to his sons, John Macias, Michael Macias, and Rouchard Macias, and is still continuously managed by them up to this day.



**Component Part Sales &
Service Center, Inc.**

The Mission and Vision of AC/DC Component Part Sales & Service Center, Inc.

The company's mission and vision was stated below.

Mission

Our objective is to provide the highest quality and greatest assortment of items to our consumers, as well as the fastest service in the market, in order to exceed their expectations. We think that providing excellent service makes our clients feel protected, secure, and appreciated. We also employ and educate exceptional personnel to ensure the highest degree of

professionalism and service responsiveness. It helps us to collaborate with our partners and employees.

Vision

To be one of the top leading electronic and assembly service provider in the Philippines, pursuing excellence through dedication, experience, and disciplined employees with an ongoing passion to deliver quality, timely, and profitable services, and to become the supplier of choice, pursuing excellence through dedication, experience, and disciplined employees with an ongoing passion to deliver quality, timely, and profitable services.

Statement of the Problem

Problem Definition and Identification

This study is conducted to develop an Inventory System for the AC/DC Component Part Sales & Service Center, Inc.'s Main Branch that can eliminate the existing problems with the current traditional inventory system such as:

- Unauthorized access of the manual systems.

- Unauthorized removal of records.

- Prone to tampering of records.

- Expense for materials used in inventory records.

- Possible Discrepancies in the records.

- Demand in manpower for Bulk Orders.

Time-consuming generation of inventory reports.

Ishikawa Diagram

The basic concept in the Cause-and-Effect diagram is that the name of a basic problem of interest is entered at the right of the diagram at the end of the main "bone".

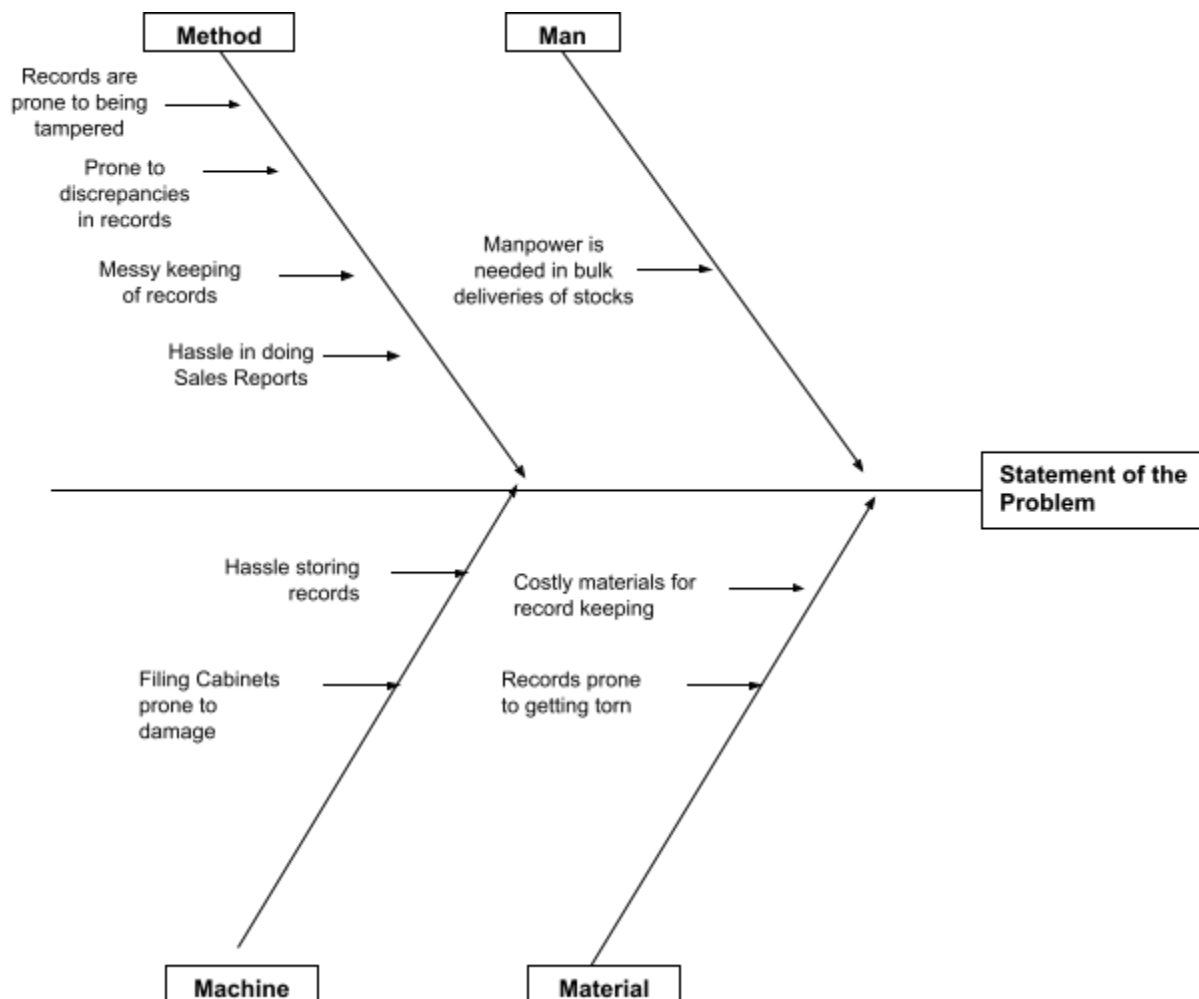


Figure 1.0 Fishbone Diagram

Objective of the Study

The proponent's objective was to develop a system that would benefit ACDC's employees and the management when it comes to listing records for their supplies; and develop a system that would eliminate the inconvenience and factors that are prone to be altered in the manual inventory system.

General Objectives

The goal of this study is to develop a computer-based inventory system for the supplies within the AC/DC Component Part Sales & Service Center, Inc.'s Main Branch which would upgrade the system to a more convenient, digitized records system for the company with the option of having an output for their sales report.

Specific Objectives

The proponents specifically aims to achieve the following objectives:

Only authorized accounts should be able to access the system with given or assigned username to them

To eliminate problems including record discrepancies and damaged records which is a usual problem in manual inventory management by creating a system that would safely and efficiently store records of supplies that are currently available in the company.

To automate the process of the inventory management system and ensure that data input is correct.

Lesser demand in manpower in record keeping.

To provide a report about the supplies in the inventory.

Scope and Limitation

This part of the study tackles the proposed system covered features and its boundaries.

This study focuses on the betterment of the inventory system of the AC/DC Component Parts Service Center and in order to be more effective and efficient compared to the traditional pen-and-paper. The software that the proponents propose functions as an inventory recorder which means that it tracks of what happens in the inventory not literally but with the help of the clerk they can keep tabs with the inventory with the help of this software instead of using a pen and paper that can easily be tampered with or be lost. This software also has a feature of user login which means that not everyone can get access to the store's data and this means that only clerks and the admins can use this and can provide security for the business data. Hopefully, this software that the proponents are building will help the business thrive and eliminate some of the existing problems that they're currently facing such as:

- The limitation of this study is made solely for the AC/DC Component Parts and Service Center, Inc., which means that the system would not be able to cater to

enterprises apart from the aforementioned company since some of the data included are specialized for their business. It will currently focus only on the ingoing and outgoing supplies of the company's main branch.

- The system will specialize in inventory records of ingoing and outgoing stocks within AC/DC's supplies.
- The system focuses only on the records of inventory thus logistics tracking of the supplies going in the inventory will not be a part of the system.

Significance of the Study

For the Inventory Clerk. It would be easier, convenient, and less hassle for the clerk to record data since it would automatically be tallied and the records are less prone to possible misplacement and tampering since it would only be the clerk and the management who will be able to access the inventory through their accounts in the system. It would also save them costs in paper and pen which is the one that they use in record keeping of the stocks.

For the Management. It would be easier to see an overview of the status of the supplies within the company through the inventory management's feature. Either way, it would also give convenience to them since there would most likely be lesser issues in the records since this kind of system is much safer to any possible damage in comparison to the traditional method.

For the Researchers. It would help them to be more knowledgeable on what features or concepts might be of help to this kind of system and how it would be applied to the kind of industry that it would be used to.

For the future researchers. The Inventory System would provide the future researchers a blueprint on where to start in developing the system and what additional features could be added for the program to become more efficient for the system's beneficiaries.

CHAPTER II

SYSTEM ANALYSIS

The process of studying a business scenario to generate a system solution to a problem or to devise changes to such a condition is known as systems analysis. Before any system development can begin, users and/or systems analysts must write a project proposal, which is then submitted to the proper administrative structure within the firm.

Existing System

The current inventory system used today is the traditional pen and paper with the use of a record blue log book in which the clerks of the store write everything that comes in and goes out of the store. Even though this kind of method is working, it is not the most efficient and convenient method. This strategy also creates various opportunities for human mistakes. When inventory data is incorrect due to human error, the penalties, and expenses associated with erroneous packing and shipment quickly pile up.

Existing System Operation

Inventory data is some of the most crucial data in your business. Knowing what merchandise you have and where you have it is critical to keeping your business running smoothly. That is why, in order to make the most significant decisions for your business, you must have the most up-to-date, accurate information.

The existing system starts with the employees, wherein they would personally identify, count, and write down information about each piece of product in the

warehouse. This time-consuming procedure diverts resources like time, money, and manpower from more vital activities that the employee may be completing.

Existing Level 0 Data Flow Diagram

Level 0 is a context diagram that consists of only one process, representing the entire system. It shows the interfaces between the system and the external entities.

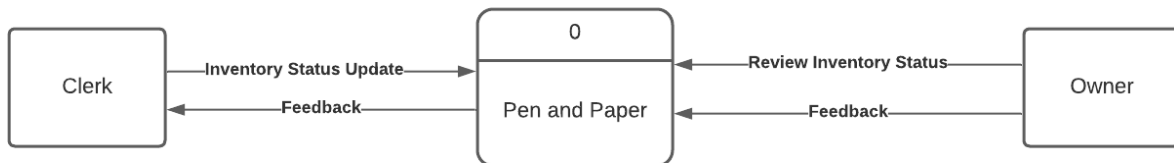


Figure 2.0 Existing Level 0 DFD

Existing Level 1 Data Flow Diagram

This level 1 shows all processes at the first level of numbering, data stores, external entities, and the data flows between them. The purpose of this level is to show the major and high-level processes of the system and their interrelation. A process model would have one, and only one, level-1 diagram. A level-1 diagram must be balanced with its parent context level diagram.

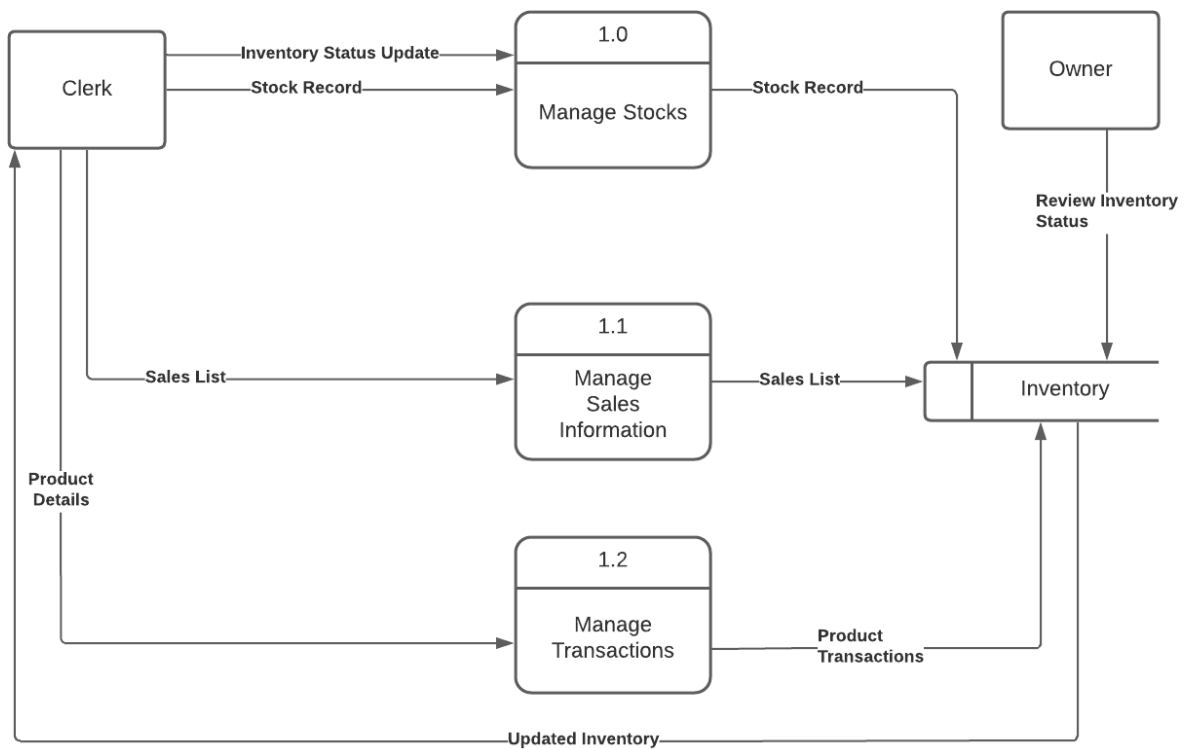


Figure 3.0 Existing Level 1 DFD

Proposed System

The new system is almost identical to the process and flows as the old system, but the proposed system is assessed in order to improve its performance and add value to its operations.

Proposed System Operation

The new system that the proponents propose is a system software that will keep track of their inventory, allowing them to resolve the problem in logistics. Another feature of the software that will be used in this business is its ability to store the data that the beneficiary wants to record, and the beneficiary will not

have a difficult time finding the data they want to check at, unlike the current system. The last feature of the proponents' software is its classifying function, which allows it to arrange and manage inventories in order to reduce conflicts and inaccuracies in the record. All Windows-based Microsoft machines, even earlier versions of the popular computer processor, are compatible with the application.

Proposed Level 0 Data Flow Diagram

Level 0 shows the interfaces between the system and all the external entities involved.

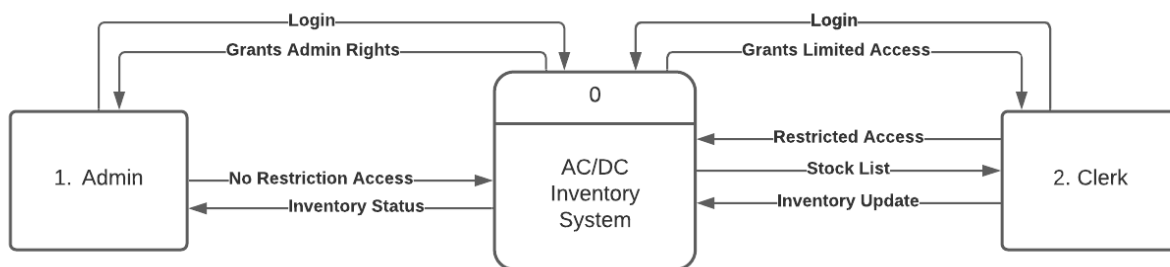


Figure 4.0 Proposed Level 0 DFD

Proposed Level 1 Data Flow Diagram

This level 1 shows all processes at the first level of numbering, data stores, external entities, and the data flows between them. The purpose of this level is to show the major and high-level processes of the system and their

interrelation. A process model has one, and only one, level-1 diagram. A level-1 diagram must be balanced with its parent context level diagram.

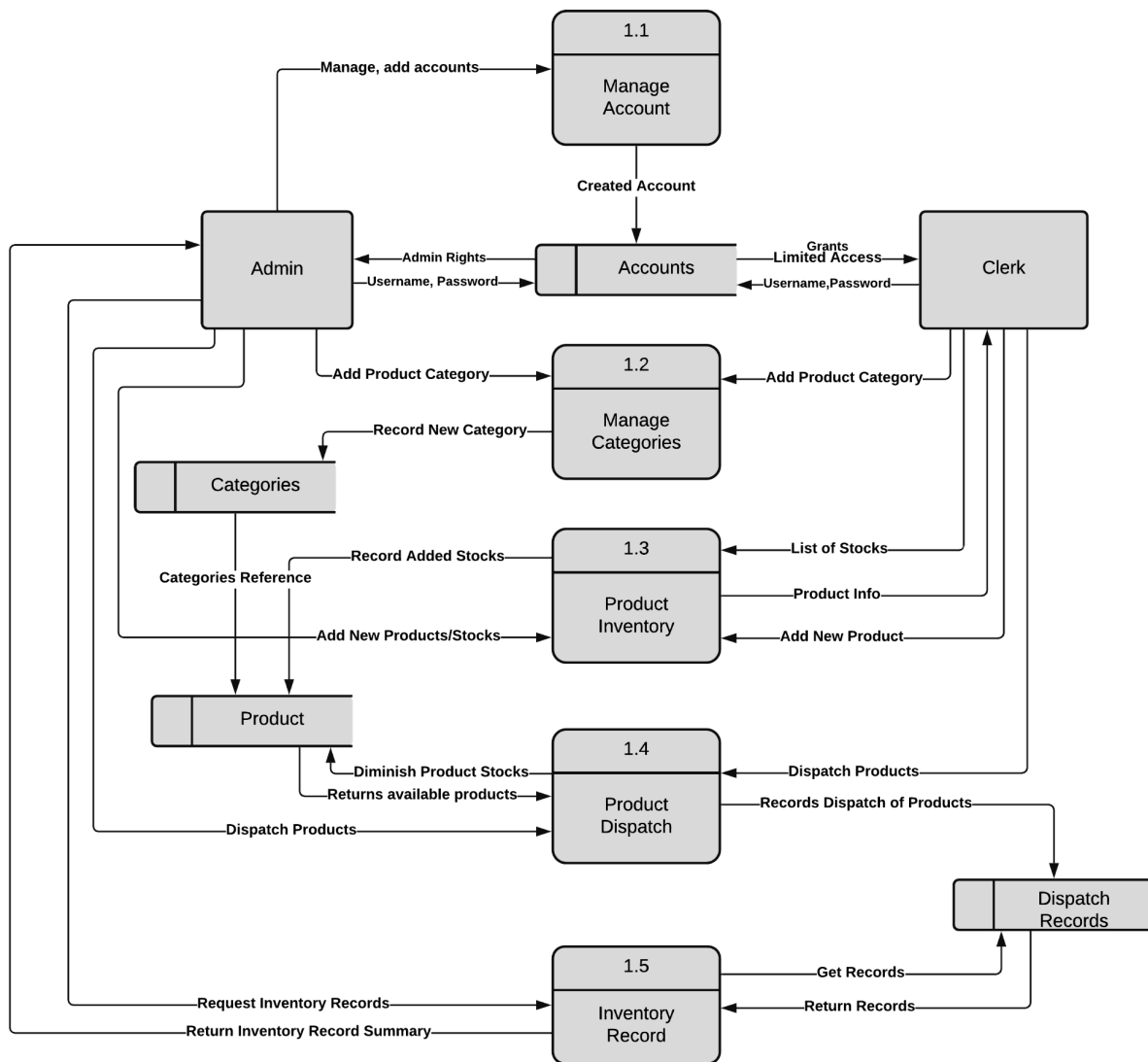


Figure 5.0 Proposed Level 1 DFD

CHAPTER III

SYSTEM DESIGN AND DEVELOPMENT

Cost and Benefit Analysis

These are the details for analyzing the cost and benefits of the proposed system whether it is worth investing. The Cost and Benefit Analysis table is shown in the table below.

Table 1.0 Cost and Benefit Analysis

Philippine Peso Currency							
CBA	Year 0	Year 1	Year 2	Year 3	Year 4	Year5	Total
Value of Benefits	-	128,319	141,151	155,266	170,793	187,872	-
Discount Factor	1	0.9091	0.8264	0.7513	0.6830	0.6209	-
Present Value of Benefits	-	116,655	116,647	116,651	116,651	116,650	583,254
Development Cost	(214,315)	-	-	-	-	-	(214,315)
Operating Cost	-	8,741	8,741	8,741	8,741	8,741	-
Discount Factor	1	0.9091	0.8264	0.7513	0.6830	0.6209	-
Present Value of Cost	-	7,946	7,224	6,567	5,970	5,427	33,135
Present Value of Net Benefits and Costs	(214,315)	108,708	109,424	110,084	110,681	111,222	550,120
Cumulative Net Present Value	(214,315)	(105,607)	3,817	113,901	224,582	335,805	-

Payback Period	2 years, 11months, 17 days
5 year ROI	135.7%

Development Cost

These are the expenses used during the system development.

Table 2.0 Development Cost

Philippine Peso Currency	
Personnel	Salary
Software Engineer - (20,000 per month) x 4 months	80,000.00
Systems Analyst - (20,000 per month) x 4 months	80,000.00
Equipment	Amount
Acer Travelmate TMP214-53-35TB Laptop	
Intel Core i3 1115G4 1.70 GHz up to 4.10 GHz, 8GB RAM, 1TB HDD; Logitech Mouse; Canon G3010 Printer	42,500.00
Utilities	Amount
Electricity Consumption: 65Watts; .64/hour, 5.08/day, 38.67/week, 154.682/month	619.00
Internet Connection: PLDT Fibr Plan 1299 (10mbps) x 4 months	5,196.00
Software & Licenses	Amount
Windows 10 64 bit	6,000
Netbeans IDE	FREE
Java Derby	FREE
TOTAL	214,315.00

Benefits Cost

Table 3.0 Benefits

Philippine Peso Currency		
BENEFITS	AMOUNT	COMMENTS
Work Efficiency	10,000.00*12	Lesser manpower in managing inventories.
Filing Cabinets	6,699.00	No more use of filing cabinets to store inventory records.
Short Bond Paper	150.00 *2	Reduced the usage of bond-paper & logbooks for record of inventories.
Logbook	100.00 *9	
Ballpen (1 dozen per box)	120.00 * 2	No more use of pens since recording is digitalized.
TOTAL	128,139.00	-

Operating Cost

Showing all assumed expenses when the system is put in use. The table itself is the same as the development cost table except for its contents.

Table 4.0 Operating Cost

Philippine Peso Currency	
Expense Category	Amount
Electricity (65W ,8 hours a day, 30 days a month)	1,857.00
Supplies	
Bondpaper substance 20 500pcs per rim (Php 150.00/rim) 1x/year	150.00

Ink Refill 2x/year (Php 300.00)	600.00
System Maintenance: 4x a year (1500 per consultation)	6,000.00
TOTAL	8,741.00

Return on Investment

A performance measure used to evaluate the efficiency of an investment or to compare the efficiency of a number of different investments. To calculate ROI, the benefit (return) of an investment is divided by the cost of the investment; the result is expressed as a percentage or a ratio.

The return on investment formula:

$$ROI = \frac{(\text{Gain from Investment} - \text{Cost of Investment})}{\text{Cost of Investment}}$$

$$ROI = \frac{583,254 - (214,315 + 33,135)}{214,315 + 33,135} \times 100$$

$$ROI = \frac{583,254 - (247,450)}{247,450} \times 100$$

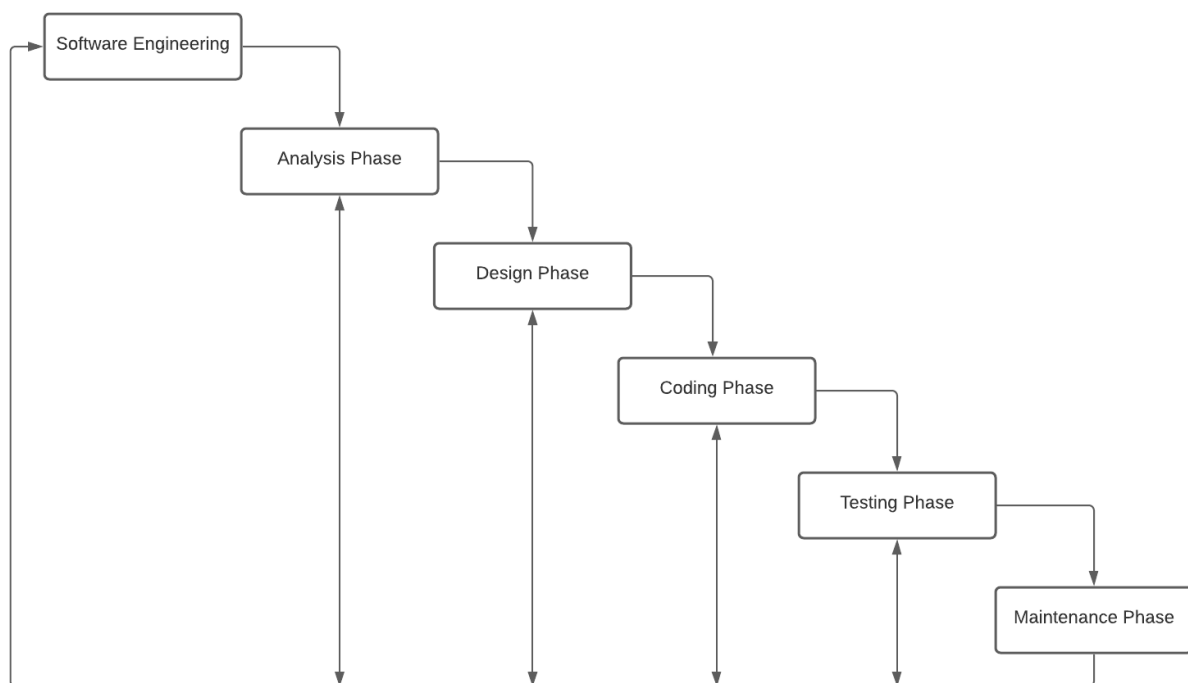
$$ROI = \frac{335,804}{247,450} \times 100$$

$$ROI = 1.357 \times 100 = \mathbf{135.7 \%}$$

Development Procedure

The proponents decided to use a method called the Modified Waterfall Method which was the variation of the Classic Waterfall Model that Dr. Winston W. Royce first presented the process model in a study released in 1970. The problem with the Classic Waterfall Model is that once you proceed to another phase there is no way to get back to fix mistakes and by that Modified Waterfall Method was created in order to have the means to go back in order to fix mistakes that were overlooked.

Modified Waterfall Model



Software Engineering - In this phase the proponents choose its beneficiary which is the AC/DC Component Part Sales & Service Center, Inc. The proponents gain proper knowledge regarding inventory systems in order to build our beneficiary an inventory system that will benefit them.

Analysis Phase - The proponents identify the problem within the business and provide a possible solution and after that the proponents analyze the data that has been gathered overtime.

Design Phase - The proponents decide how they will develop the user interface and the software features of the system. The system has two UI one that is dedicated to the manager and the other one is for the clerk, the managers UI consists of Manage Accounts, Manage Categories, Product Inventory, Inventory Report, and Product Dispatch while the clerk's UI Consists of only Manage Categories, Product Inventory and Product Dispatch, this would allow the management to have control over the accounts and has an overview on inventory.

Coding Phase - The proponents develop the system with the use of NetBeans 8.0.2. For the system's database, the proponents used the Embedded Java DB which would serve as the inventory's data center.

Testing Phase - The proponents try to identify the error and bugs within the system that was not present during the development stage of the system.

Maintenance Phase - The proponents will install a fully functional system in AC/DC Component Part Sales & Service Center, Inc. but even though the system is fully functional maintenance is a must in order to have the software keep its 100% working state.

CHAPTER IV

SYSTEM IMPLEMENTATION

The purpose of the System Implementation is to make the new system available to a limited number of users (deployment), as well as to create continuing support and maintenance inside the Performing Organization (the transition). Deploying the system entails taking all necessary steps to train clients on how to use the new system, putting the newly developed system into production, confirming that all data needed to start operations was available and accurate, and validating that business functions that interact with the system were working properly. Changing from a system development to a system support and maintenance mode of operation, with ownership of the new system shifting from the developer to the Performing Organization, is the first step in transitioning the system support responsibilities.

Unit Testing

Unit testing entails putting each unit or component of the inventory system to the test. The most common issue identified during unit testing in our system is when the column names for summary tables are not recognized by the system, however

understanding the base of code allows us to swiftly modify defect-causing code. Since then, no faults have been detected while testing the system's functionalities one by one.

Stress Testing

Stress testing is a sort of software testing that checks a system's stability and resilience. When we stressed the system, we discovered that the password in the log in section of the system is limited to 20 characters. Since the price of the product in AC/DC is impossible to be in six digits, it is limited to six numbers, and after that it will be expressed in an exponential number. We test adding a large number of products, an impossible quantity of products, and clerk accounts to the inventory system, it works perfectly with no errors and does not crash under pressure.

Security Testing

The manual system of recording inventory reports was the problem with the existing system. This manual system has a number of drawbacks, including the potential for record tampering and even unauthorized access to manual systems. While in the proposed inventory system for AC/DC Component Parts Service Center, it would minimize problems such as record discrepancies and damaged records, which are common problems in manual inventory management, and only authorized accounts with given or assigned usernames should be able to access the system. The system is also safe from possible hi-jacking of the login field by SQL injection since it uses prepared

statements. The proponent predicted that by integrating the systems, unnecessary actions would be removed and the inventory system would become more effective and efficient.

Function Testing

Functional testing is a sort of software testing that verifies that the system meets the functional requirements. Every function has been examined and tested. The new system's main purpose was to simplify the automatic inventory report process and to keep supplies information safely and efficiently. It would serve as a tool to help users grow their businesses and keep track of their goods inventories more efficiently. The proposed system made use of a database to minimize the need for manual report writing. It can also generate inventory summary reports automatically without the need for additional staff, lowering costs.

Beta Testing allows real users to utilize a product in a production setting to find any problems or difficulties. The final stage of testing before a product is released to the general public is known as beta testing. In this controlled environment, the goal is to identify as many defects or usability concerns as possible. During the deployment phase, beta testing was conducted. Versions of the software, termed as beta versions, were provided to the beneficiary. The program was sent to the proponents' beneficiary so that further testing could confirm that there were no flaws or errors in the product.

Stability Testing is evaluated to determine whether the program can continually work well in or above an acceptable duration. Load (or endurance) testing was a term used to describe this type of non-functional software testing.

System Maintenance

The System monitoring and database archive and backup were the most fundamental routine maintenance tasks.

System Monitoring

System monitoring is run four times a year by developers to check the hardware or software systems used to monitor resources, the performance of computer systems, and whether they are working properly.

Database Archives and Backup

Embedded to the system was the database backup. During the quarterly maintenance, the developers can archive the database for backup purposes in case of data loss.

CHAPTER V

CONCLUSION

Summary and Conclusion

The beneficiary currently uses a manual inventory system using a pen-and-paper kind of system wherein they literally just write down everything in the paper. The current system works manually, however there are instances wherein data are lost since paper can easily be lost in the stockpile of papers and the inventory record is a mess because of the confusion with the data and other stuff. It became a need for an offline system with an embedded database made specifically for the beneficiary in order to give them a better inventory system to keep track of their records and in order for them to have a more efficient system around.

In order to keep inventory records more efficiently and provide quality and accurate reports, the AC/DC Component Parts Service Center wanted an offline system that would keep inventory records more efficiently. Because the beneficiary relied

heavily on daily supply inventory reports, an up-to-date database was required to keep track of their supplies and arrange and manage the inventory, reducing the chances of conflicts and errors within the record.

The proponent learned to manage his time by setting daily and weekly goals for specified, goal-oriented tasks. Filtering information for specific proponent purposes has become an important aspect of promoting project coordination and balance.

The study was developed using a Modified Waterfall process as a basis in project creation. Requirements, Design, Implementation, Integration Test, and Maintenance are the five processes in project modeling described in this process. The steps helped the proponent meet the project's requirements.

The Supplies Inventory System will securely and efficiently maintain records of current supplies in the company, automate the inventory management system's process and ensure that data input is accurate, provide summary reports, and protect sensitive data from unauthorized access.

The proponents decided to use Netbeans IDE 8.0.2 and Java Derby to construct the program. An easy to navigate graphical user interface (GUI) was designed for the system. The proponent connected access of the database to the System through the Java DB embedded database and also created security measures that granted two levels of access by having user accounts based on the user's role in the organization.

The project successfully implements the beneficiary's design and specifications. Using a database to manage inventory information and generate summary reports is an excellent approach. It is critical to appropriately store linked data in order to produce exact and accurate results. Database administration is critical to the success of any

project. Integration of a graphical user interface is also a fantastic way to provide people a better grasp of how to extract data and query the database quickly. A software with a bare format will not be productive for the project since it will require training for the user to learn how to use the program, rather than making the user comfortable by emphasizing the necessity of a clear and understandable interface.

Overall, the developer learned a lot about resource management and project management through this project.

Further Recommendation

The proponents strongly recommend the proposed system's implementation to the current system in the AC/DC Component Parts and Service Center, Inc.'s Inventory. This computerized system would ensure more effective and efficient processing of stocks and dispatchment of goods compared to the time and resource-intensive manual system. It also guarantees that data can be stored safely with the backups being stored in the system. In addition, this system would also lessen inaccuracies and discrepancies while ensuring consistency at the same time. It also establishes security to data manipulation since accounts that were given authority by the administrator are the ones only allowed to do changes in the current system records. With this, it allows the company to have a reliable and efficient system for the business.

This study will benefit not only the company's main branch but might also be useful for further development of systems dedicated to the company's satellite branches. Furthermore, it might also serve as a starting point for a possible dispatch system that might be useful when implemented to the proposed inventory system.

APPENDICES

APPENDIX A: SAMPLE INTERVIEW QUESTIONS

1. BACKGROUND OF THE COMPANY

- A. Where are they exactly located?
- B. What year did they start?
- C. What are their transactions mainly focused?
- D. What is their Company Mission and Vision?
- E. Brief explanation of their Organizational Chart.

2. TECHNICALITIES

- A. Customer Information: What is the usual information or details of the customer needed every time they do a purchase? (e.g., Name, Address, etc.)?
- B. Product Information: What are the specific products that your company is selling?
- C. Purchase process: What are the available payment methods and how Proof of Purchase is issued (ex. Invoice)

D. What system are you currently using to record the sales and deliveries in your company?

E. How many clerks does your company have to record the inventories?

3. CHALLENGES

A. Is there a problem that your company encountered while using your existing inventory system?

B. Does your company encounter a major problem in your inventory that cause issues within the business?

APPENDIX B: SYSTEM SOURCE CODE

```
package addcinventorysystem;

public class Splash extends javax.swing.JFrame {

    public Splash() {
        initComponents();
    }

    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        LoadProg = new javax.swing.JProgressBar();
```

```
LoadPer = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
setUndecorated(true);
getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

jPanel1.setBackground(new java.awt.Color(255, 255, 153));
jPanel1.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/ACDC LOGO
80px.png"))); // NOI18N
jLabel1.setToolTipText("");
jPanel1.add(jLabel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 71,
700, -1));

jLabel2.setFont(new java.awt.Font("Century Gothic", 1, 30)); // NOI18N
jLabel2.setForeground(new java.awt.Color(255, 102, 0));
jLabel2.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel2.setText("ACDC Component Parts Sales");
jPanel1.add(jLabel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(12, 231,
676, -1));

jLabel3.setFont(new java.awt.Font("Century Gothic", 1, 30)); // NOI18N
jLabel3.setForeground(new java.awt.Color(255, 102, 0));
jLabel3.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
```

```
jLabel3.setText("and Service Center Inventory");

jPanel1.add(jLabel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(12, 269,
676, -1));

jPanel1.add(LoadProg, new org.netbeans.lib.awtextra.AbsoluteConstraints(12,
423, 676, -1));
```

```
LoadPer.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
LoadPer.setForeground(new java.awt.Color(255, 102, 0));
LoadPer.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
LoadPer.setText("Loading %");

jPanel1.add(LoadPer, new org.netbeans.lib.awtextra.AbsoluteConstraints(12,
385, 676, -1));
```

```
getContentPane().add(jPanel1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, -1, 450));
```

```
pack();
setLocationRelativeTo(null);
} // </editor-fold>
```

```
public static void main(String args[]) {
```

```
Splash MySplash= new Splash ();
```

```
MySplash.setVisible(true);
```

```
try{
```

```
for (int i=0; i<=100; i++)
```

```
{
```

```

        Thread.sleep(40);
        MySplash.LoadProg.setValue(i);
        MySplash.LoadPer.setText("Loading "+Integer.toString(i)+"%");

    }
    } catch (Exception e){

    }

    new LoginForm().setVisible(true);
    MySplash.dispose();
}

// Variables declaration - do not modify
private javax.swing.JLabel LoadPer;
private javax.swing.JProgressBar LoadProg;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JPanel jPanel1;

// End of variables declaration
}

/*LOGIN FORM*/
package addcinventorysystem;

import java.sql.Connection;

```

```
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.Statement;
import javax.swing.JOptionPane;
public class LoginForm extends javax.swing.JFrame {
```

```
    public LoginForm() {
        initComponents();
    }
```

```
    Connection Con=null;
```

```
    Statement St=null;
```

```
    ResultSet Rs=null;
```

```
// <editor-fold defaultstate="collapsed" desc="Generated Code">
```

```
private void initComponents() {
```

```
    JPanel1 = new javax.swing.JPanel();
```

```
    CloseButton = new javax.swing.JLabel();
```

```
    jLabel7 = new javax.swing.JLabel();
```

```
    jLabel13 = new javax.swing.JLabel();
```

```
    AcctUName = new javax.swing.JTextField();
```

```
    jLabel14 = new javax.swing.JLabel();
```

```
    LoginBtn = new javax.swing.JButton();
```

```
jLabel15 = new javax.swing.JLabel();
ClearBtn = new javax.swing.JButton();
jLabel16 = new javax.swing.JLabel();
AcctPass = new javax.swing.JPasswordField();
AcctRole = new javax.swing.JComboBox();
jPanel2 = new javax.swing.JPanel();
jLabel1 = new javax.swing.JLabel();
jLabel2 = new javax.swing.JLabel();
jLabel3 = new javax.swing.JLabel();
jLabel4 = new javax.swing.JLabel();
jLabel6 = new javax.swing.JLabel();
jLabel8 = new javax.swing.JLabel();
jLabel9 = new javax.swing.JLabel();
jLabel10 = new javax.swing.JLabel();
jLabel11 = new javax.swing.JLabel();
jLabel12 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
setUndecorated(true);
getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

jPanel1.setBackground(new java.awt.Color(238, 238, 238));

CloseButton.setFont(new java.awt.Font("Arial Black", 1, 18)); // NOI18N
CloseButton.setForeground(new java.awt.Color(255, 103, 0));
```

```
CloseButton.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
CloseButton.setText("X");
CloseButton.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
CloseButton.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        CloseButtonMouseClicked(evt);
    }
});
```

```
jLabel7.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N
jLabel7.setForeground(new java.awt.Color(255, 103, 0));
jLabel7.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel7.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/profile-user3.png"))); // NOI18N
```

```
jLabel13.setFont(new java.awt.Font("Century Gothic", 0, 24)); // NOI18N
jLabel13.setForeground(new java.awt.Color(255, 102, 0));
jLabel13.setText("Username");
```

```
AcctUName.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N
```

```
jLabel14.setFont(new java.awt.Font("Century Gothic", 0, 24)); // NOI18N
jLabel14.setForeground(new java.awt.Color(255, 102, 0));
jLabel14.setText("Password");
```

```
LoginBtn.setBackground(new java.awt.Color(255, 102, 0));  
LoginBtn.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N  
LoginBtn.setForeground(new java.awt.Color(238, 238, 238));  
LoginBtn.setText("LOGIN");  
LoginBtn.setBorder(null);  
LoginBtn.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));  
LoginBtn.addMouseListener(new java.awt.event.MouseAdapter() {  
    public void mouseClicked(java.awt.event.MouseEvent evt) {  
        LoginBtnMouseClicked(evt);  
    }  
});
```

```
jLabel15.setFont(new java.awt.Font("Century Gothic", 1, 40)); // NOI18N  
jLabel15.setForeground(new java.awt.Color(255, 103, 0));  
jLabel15.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);  
jLabel15.setText("User Login");
```

```
ClearBtn.setBackground(new java.awt.Color(255, 102, 0));  
ClearBtn.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N  
ClearBtn.setForeground(new java.awt.Color(240, 240, 240));  
ClearBtn.setText("CLEAR");  
ClearBtn.setBorder(null);  
ClearBtn.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));  
ClearBtn.addMouseListener(new java.awt.event.MouseAdapter() {  
    public void mouseClicked(java.awt.event.MouseEvent evt) {
```



```

        ClearBtnMouseClicked(evt);
    }
});

jLabel16.setFont(new java.awt.Font("Century Gothic", 0, 24)); // NOI18N
jLabel16.setForeground(new java.awt.Color(255, 102, 0));
jLabel16.setText("Account");

AcctPass.setFont(new java.awt.Font("Century Gothic", 1, 14)); // NOI18N

AcctRole.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N
AcctRole.setModel(new javax.swing.DefaultComboBoxModel(new String[] {
"Manager", "Clerk" }));

    javax.swing.GroupLayout jPanel1Layout = new
javax.swing.GroupLayout(jPanel1);

    jPanel1.setLayout(jPanel1Layout);
    jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(jPanel1Layout.createSequentialGroup()

            .addComponent(jLabel7, javax.swing.GroupLayout.DEFAULT_SIZE, 417,
Short.MAX_VALUE)

```

```
        .addComponent(jLabel15, javax.swing.GroupLayout.Alignment.TRAILING,  
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,  
Short.MAX_VALUE)
```

```
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,  
jPanel1Layout.createSequentialGroup())
```

```
        .addGap(0, 378, Short.MAX_VALUE)
```

```
        .addComponent(CloseButton,  
javax.swing.GroupLayout.PREFERRED_SIZE, 39,  
javax.swing.GroupLayout.PREFERRED_SIZE)))
```

```
        .addContainerGap())
```

```
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,  
jPanel1Layout.createSequentialGroup())
```

```
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,  
Short.MAX_VALUE)
```

```
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LE  
ADING, false)
```

```
        .addGroup(jPanel1Layout.createSequentialGroup())
```

```
        .addComponent(LoginBtn, javax.swing.GroupLayout.PREFERRED_SIZE,  
160, javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 35,  
Short.MAX_VALUE)
```

```
        .addComponent(ClearBtn, javax.swing.GroupLayout.PREFERRED_SIZE,  
160, javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
        .addGroup(jPanel1Layout.createSequentialGroup())
```

```
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LE  
ADING)
```

```
        .addComponent(jLabel13)
```

```
        .addComponent(jLabel14)
```

```
        .addComponent(jLabel16))
```

```

        .addGap(18, 18, 18)

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

            .addComponent(AcctUName,
                javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

            .addComponent(AcctPass)

            .addComponent(AcctRole, 0,
                javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))))

        .addGap(39, 39, 39))

    );

    jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(jPanel1Layout.createSequentialGroup()

            .addContainerGap()

            .addComponent(CloseButton)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 51,
            Short.MAX_VALUE)

            .addComponent(jLabel7)

            .addGap(18, 18, 18)

            .addComponent(jLabel15)

            .addGap(28, 28, 28)

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

            .addComponent(jLabel16, javax.swing.GroupLayout.PREFERRED_SIZE,
                36, javax.swing.GroupLayout.PREFERRED_SIZE)

```

```
        .addComponent(AcctRole, javax.swing.GroupLayout.PREFERRED_SIZE,
36, javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
```

```
    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
```

```
        .addComponent(AcctUName,
javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
        .addComponent(jLabel13, javax.swing.GroupLayout.PREFERRED_SIZE,
36, javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
```

```
    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
```

```
        .addComponent(jLabel14, javax.swing.GroupLayout.DEFAULT_SIZE, 36,
Short.MAX_VALUE)
```

```
        .addComponent(AcctPass))
```

```
    .addGap(50, 50, 50)
```

```
    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
```

```
        .addComponent(LoginBtn, javax.swing.GroupLayout.PREFERRED_SIZE,
56, javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
        .addComponent(ClearBtn, javax.swing.GroupLayout.PREFERRED_SIZE,
56, javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
    .addGap(77, 77, 77))
```

```
);
```

```
getContentPane().add(jPanel1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(309, 0, -1, 557));
```

```

jPanel2.setBackground(new java.awt.Color(255, 255, 153));

jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/ACDC LOGO
ic.png"))); // NOI18N

jLabel2.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N
jLabel2.setForeground(new java.awt.Color(255, 102, 0));
jLabel2.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel2.setText("ACDC Component Sales");

jLabel3.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N
jLabel3.setForeground(new java.awt.Color(255, 103, 0));
jLabel3.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel3.setText("and Service Center Inventory");

jLabel4.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/processor(1).pn
g"))); // NOI18N

jLabel6.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/cctv.png"))); //
NOI18N

jLabel8.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/capacitor.png")))
; // NOI18N

```

```
jLabel9.setIcon(new  
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/circuit-board.png  
")); // NOI18N
```

```
jLabel10.setIcon(new  
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/processor(1).pn  
g")); // NOI18N
```

```
jLabel11.setIcon(new  
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/speaker.png"));  
// NOI18N
```

```
jLabel12.setIcon(new  
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/circuit-board.png  
")); // NOI18N
```

```
javax.swing.GroupLayout jPanel2Layout = new  
javax.swing.GroupLayout(jPanel2);
```

```
jPanel2.setLayout(jPanel2Layout);
```

```
jPanel2Layout.setHorizontalGroup(
```

```
jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
.addComponent(jLabel1, javax.swing.GroupLayout.Alignment.TRAILING,  
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,  
Short.MAX_VALUE)
```

```
.addGroup(jPanel2Layout.createSequentialGroup()
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LE  
ADING)
```

```
.addGroup(jPanel2Layout.createSequentialGroup()
```

```
.addGap()
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
    .addComponent(jLabel3,  
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,  
Short.MAX_VALUE)
```

```
    .addComponent(jLabel2,  
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,  
Short.MAX_VALUE)))
```

```
    .addGroup(jPanel2Layout.createSequentialGroup())
```

```
    .addGap(40, 40, 40)
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
```

```
    .addComponent(jLabel12)
```

```
    .addComponent(jLabel4)
```

```
    .addComponent(jLabel8))
```

```
    .addGap(18, 18, Short.MAX_VALUE)
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
```

```
    .addGroup(javax.swing.GroupLayout.Alignment.LEADING,  
jPanel2Layout.createSequentialGroup())
```

```
    .addComponent(jLabel6)
```

```
    .addGap(22, 22, 22))
```

```
    .addGroup(jPanel2Layout.createSequentialGroup())
```

```
    .addGap(10, 10, 10)
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
```

```
    .addGroup(jPanel2Layout.createSequentialGroup())
```

```

        .addComponent(jLabel11)
        .addGap(40, 40, 40))
    .addGroup(jPanel2Layout.createSequentialGroup())
        .addComponent(jLabel10)
        .addGap(18, 18, 18)
        .addComponent(jLabel9)
        .addGap(19, 19, 19))))))
    .addContainerGap()
);
jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(124, 124, 124)
        .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE,
108, javax.swing.GroupLayout.PREFERRED_SIZE)

    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jLabel2)
        .addGap(0, 0, 0)

    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()

    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

        .addGroup(jPanel2Layout.createSequentialGroup())

```



```

        .addComponent(jLabel3)

.addGroup(jPanel2Layout.createParallelGroup(GroupLayout.Alignment.LEADING)

        .addGroup(jPanel2Layout.createSequentialGroup()

            .addGap(65, 65, 65)

            .addComponent(jLabel6))

        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 37,
Short.MAX_VALUE)

            .addComponent(jLabel4)

            .addGap(63, 63, 63)

            .addComponent(jLabel12))))

        .addComponent(jLabel9))

.addGap(44, 44, 44))

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(74, 74, 74)

.addComponent(jLabel11)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel2Layout.createParallelGroup(GroupLayout.Alignment.LEADING)

        .addComponent(jLabel8)

        .addComponent(jLabel10))

        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))))

```

```
);
```

```
        getContentPane().add(jPanel2, new  
org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, -1, -1));
```

```
pack();
```

```
setLocationRelativeTo(null);
```

```
// </editor-fold>
```

```
private void CloseButtonMouseClicked(java.awt.event.MouseEvent evt) {
```

```
new JExitForm().setVisible(true);
```

```
}
```

```
private void ClearBtnMouseClicked(java.awt.event.MouseEvent evt) {
```

```
AcctUName.setText("");
```

```
AcctPass.setText("");
```

```
}
```

```
private void LoginBtnMouseClicked(java.awt.event.MouseEvent evt) {
```

```
if (AcctRole.getSelectedItem().equals("Manager")){
```

```
String Query= "select*from User1.AMTBL where  
ACCTUNAME='"+AcctUName.getText()+"' and ACCTPASS='"+AcctPass.getText()+"'  
and ACCTROLE='"+AcctRole.getSelectedItem().toString()+"'";
```

```
try {
```

```

        Con =
DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");

        St = Con.createStatement();

        Rs = St.executeQuery(Query);

        if(Rs.next()){

            new ManagerInterface().setVisible(true);

            this.dispose();

        }

        else{

            JOptionPane.showMessageDialog(this, "Account doesn't match our records.");

        }

    }catch(Exception e)

    {

        e.printStackTrace();

    }

    }

    else if (AcctRole.getSelectedItem().equals("Clerk")){

        String Query= "select*from User1.AMTBL where
ACCTUNAME='"+AcctUName.getText()+"' and ACCTPASS='"+AcctPass.getText()+"'
and ACCTROLE='"+AcctRole.getSelectedItem().toString()+"'";

        try {

            Con =
DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");

            St = Con.createStatement();

            Rs = St.executeQuery(Query);

            if(Rs.next()){

                new InventoryClerkInterface().setVisible(true);

```

```

        this.dispose();
    }
    else{
        JOptionPane.showMessageDialog(this, "Account doesn't match our records.");
    }
} catch (Exception e)
{
    e.printStackTrace();
}
}
else {
    JOptionPane.showMessageDialog(this, "Account doesn't match our records.");
}
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code
(optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look
and feel.
    * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

```

```

        */

        try {

            for (javax.swing.UIManager.LookAndFeelInfo info :
                javax.swing.UIManager.getInstalledLookAndFeels()) {

                if ("Nimbus".equals(info.getName())) {

                    javax.swing.UIManager.setLookAndFeel(info.getClassName());

                    break;

                }

            }

        } catch (ClassNotFoundException ex) {

            java.util.logging.Logger.getLogger(LoginForm.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

        } catch (InstantiationException ex) {

            java.util.logging.Logger.getLogger(LoginForm.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

        } catch (IllegalAccessException ex) {

            java.util.logging.Logger.getLogger(LoginForm.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

            java.util.logging.Logger.getLogger(LoginForm.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

        }

    }

    //</editor-fold>

    /* Create and display the form */

    java.awt.EventQueue.invokeLater(new Runnable() {

```

```
public void run() {  
    new LoginForm().setVisible(true);  
}  
});  
}
```

```
// Variables declaration - do not modify
```

```
private javax.swing.JPasswordField AcctPass;  
private javax.swing.JComboBox AcctRole;  
private javax.swing.JTextField AcctUName;  
private javax.swing.JButton ClearBtn;  
private javax.swing.JLabel CloseButton;  
private javax.swing.JButton LoginBtn;  
private javax.swing.JLabel jLabel1;  
private javax.swing.JLabel jLabel10;  
private javax.swing.JLabel jLabel11;  
private javax.swing.JLabel jLabel12;  
private javax.swing.JLabel jLabel13;  
private javax.swing.JLabel jLabel14;  
private javax.swing.JLabel jLabel15;  
private javax.swing.JLabel jLabel16;  
private javax.swing.JLabel jLabel2;  
private javax.swing.JLabel jLabel3;  
private javax.swing.JLabel jLabel4;  
private javax.swing.JLabel jLabel6;
```

```

        private javax.swing.JLabel jLabel7;
        private javax.swing.JLabel jLabel8;
        private javax.swing.JLabel jLabel9;
        private javax.swing.JPanel jPanel1;
        private javax.swing.JPanel jPanel2;

        // End of variables declaration
    }

    /*EXIT FORM*/

    package acdcinventorysystem;

    public class JExitForm extends javax.swing.JFrame {

        public JExitForm() {
            initComponents();
        }

        @SuppressWarnings("unchecked")
        // <editor-fold defaultstate="collapsed" desc="Generated Code">
        private void initComponents() {

            jPanel1 = new javax.swing.JPanel();
            CloseButton = new javax.swing.JLabel();
            jLabel7 = new javax.swing.JLabel();
            OkBtn = new javax.swing.JButton();
            CnclBtn = new javax.swing.JButton();

```

```
jLabel8 = new javax.swing.JLabel();
```

```
jLabel9 = new javax.swing.JLabel();
```

```
setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
```

```
setUndecorated(true);
```

```
getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
```

```
jPanel1.setBackground(new java.awt.Color(255, 255, 153));
```

```
CloseButton.setFont(new java.awt.Font("Arial Black", 1, 18)); // NOI18N
```

```
CloseButton.setForeground(new java.awt.Color(255, 103, 0));
```

```
CloseButton.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
```

```
CloseButton.setText("X");
```

```
CloseButton.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
```

```
CloseButton.addMouseListener(new java.awt.event.MouseAdapter() {
```

```
    public void mouseClicked(java.awt.event.MouseEvent evt) {
```

```
        CloseButtonMouseClicked(evt);
```

```
    }
```

```
});
```

```
jLabel7.setFont(new java.awt.Font("Century Gothic", 1, 21)); // NOI18N
```

```
jLabel7.setForeground(new java.awt.Color(255, 102, 0));
```

```
jLabel7.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
```

```
jLabel7.setText("Would you like to");
```



```
OkBtn.setBackground(new java.awt.Color(255, 102, 0));
OkBtn.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N
OkBtn.setForeground(new java.awt.Color(240, 240, 240));
OkBtn.setText("OK");
OkBtn.setBorder(null);
OkBtn.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
OkBtn.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        OkBtnMouseClicked(evt);
    }
});
```

```
CnclBtn.setBackground(new java.awt.Color(255, 102, 0));
CnclBtn.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N
CnclBtn.setForeground(new java.awt.Color(240, 240, 240));
CnclBtn.setText("CANCEL");
CnclBtn.setBorder(null);
CnclBtn.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
CnclBtn.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        CnclBtnMouseClicked(evt);
    }
});
```

```
jLabel8.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```

```
jLabel8.setForeground(new java.awt.Color(255, 102, 0));

jLabel8.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/warning.png")));
// NOI18N
```

```
jLabel9.setFont(new java.awt.Font("Century Gothic", 1, 21)); // NOI18N
jLabel9.setForeground(new java.awt.Color(255, 102, 0));
jLabel9.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel9.setText("close the application?");
```

```
javax.swing.GroupLayout jPanel1Layout = new
javax.swing.GroupLayout(jPanel1);

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()

        .addGap(0, 0, Short.MAX_VALUE)

        .addComponent(CloseButton,
javax.swing.GroupLayout.PREFERRED_SIZE, 39,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()

            .addContainerGap(68, Short.MAX_VALUE)

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

            .addGroup(jPanel1Layout.createSequentialGroup()

                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

                    .addGroup(jPanel1Layout.createSequentialGroup()

                        .addGap(18, 18, 18)
```

```

        .addComponent(OkBtn, javax.swing.GroupLayout.PREFERRED_SIZE,
120, javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGap(41, 41, 41)

        .addComponent(CnclBtn, javax.swing.GroupLayout.PREFERRED_SIZE,
120, javax.swing.GroupLayout.PREFERRED_SIZE)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 10,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup())

        .addComponent(jLabel8)

        .addGap(20, 20, 20)

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LE
ADING, false)

                .addComponent(jLabel7,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)

                .addComponent(jLabel9))))

        .addGap(64, 64, 64))

    );

    jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(jPanel1Layout.createSequentialGroup()

                .addComponent(CloseButton,
javax.swing.GroupLayout.PREFERRED_SIZE, 34,
javax.swing.GroupLayout.PREFERRED_SIZE)

                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LE
ADING)

                        .addGroup(jPanel1Layout.createSequentialGroup()

```

```

        .addGap(37, 37, 37)

        .addComponent(jLabel8, javax.swing.GroupLayout.PREFERRED_SIZE,
75, javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGap(18, 18, 18))

        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup())

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

        .addComponent(jLabel7)

        .addGap(0, 0, 0)

        .addComponent(jLabel9)

        .addGap(31, 31, 31)))

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BA
SELINE)

        .addComponent(OkBtn, javax.swing.GroupLayout.PREFERRED_SIZE,
38, javax.swing.GroupLayout.PREFERRED_SIZE)

        .addComponent(CnclBtn, javax.swing.GroupLayout.PREFERRED_SIZE,
38, javax.swing.GroupLayout.PREFERRED_SIZE))

        .addContainerGap(68, Short.MAX_VALUE))

);

getContentPane().add(jPanel1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, -1, -1));

pack();

setLocationRelativeTo(null);

} // </editor-fold>

```

```

private void CloseButtonMouseClicked(java.awt.event.MouseEvent evt) {

    this.dispose();
}

private void OkBtnMouseClicked(java.awt.event.MouseEvent evt) {

    System.exit(0);
}

private void CnclBtnMouseClicked(java.awt.event.MouseEvent evt) {

    this.dispose();
}

public static void main(String args[]) {

    /* Set the Nimbus look and feel */

    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code
(optional) ">

    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look
and feel.

    * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

    */

    try {

        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {

            if ("Nimbus".equals(info.getName())) {

```

```

        javax.swing.UIManager.setLookAndFeel(info.getClassName());
        break;
    }
}
} catch (ClassNotFoundException ex) {

```

```

java.util.logging.Logger.getLogger(JExitForm.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

```

```

    } catch (InstantiationException ex) {

```

```

java.util.logging.Logger.getLogger(JExitForm.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

```

```

    } catch (IllegalAccessException ex) {

```

```

java.util.logging.Logger.getLogger(JExitForm.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

```

```

    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

```

```

java.util.logging.Logger.getLogger(JExitForm.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

```

```

    }

```

```

//</editor-fold>

```

```

java.awt.EventQueue.invokeLater(new Runnable() {

```

```

    public void run() {

```

```

        new JExitForm().setVisible(true);

```

```

    }

```

```

});

```

```

}

```

```

        // Variables declaration - do not modify
        private javax.swing.JLabel CloseButton;
        private javax.swing.JButton CnclBtn;
        private javax.swing.JButton OkBtn;
        private javax.swing.JLabel jLabel7;
        private javax.swing.JLabel jLabel8;
        private javax.swing.JLabel jLabel9;
        private javax.swing.JPanel jPanel1;

        // End of variables declaration
    }

    /* MANAGER INTERFACE FORM */

    package acdcinventorysystem;

    import java.sql.Connection;
    import java.sql.DriverManager;
    import java.sql.PreparedStatement;
    import java.sql.ResultSet;
    import java.sql.SQLException;
    import java.sql.Statement;
    import java.text.MessageFormat;
    import java.util.Date;
    import javax.print.attribute.HashPrintRequestAttributeSet;
    import javax.print.attribute.PrintRequestAttributeSet;
    import javax.print.attribute.standard.OrientationRequested;

```

```
import javax.swing.JOptionPane;
```

```
import javax.swing.JTable;
```

```
import javax.swing.table.DefaultTableModel;
```

```
import net.proteanit.sql.DbUtils;
```

```
public class ManagerInterface extends javax.swing.JFrame {
```

```
    public ManagerInterface() {
```

```
        initComponents();
```

```
        SelectProdInv();
```

```
        SelectAccountManagement();
```

```
        SelectProDis();
```

```
        SelectCatList();
```

```
        SelectInvRep();
```

```
        updatePROCombo();
```

```
        updatePROCombo2();
```

```
    }
```

```
    Connection Con = null;
```

```
    Statement St = null;
```

```
    ResultSet Rs = null;
```

```
    public void SelectProdInv()
```

```
    {
```

```
        try {
```

```
            Con =
```

```
            DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");
```



```

        St = Con.createStatement();

        Rs = St.executeQuery("Select * from User1.PROINVTBL");

        ProInvTbl.setModel(DbUtils.resultSetToTableModel(Rs));

    }catch(Exception e)

    {

        e.printStackTrace();

    }

}

public void SelectProDis()

{

    try {

        Con =
DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");

        St = Con.createStatement();

        Rs = St.executeQuery("Select * from User1.PROINVTBL");

        ProDisTbl.setModel(DbUtils.resultSetToTableModel(Rs));

    }catch(Exception e)

    {

        e.printStackTrace();

    }

}

public void SelectAccountManagement()

{

    try {

```

```

        Con =
DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");

        St = Con.createStatement();

        Rs = St.executeQuery("Select * from User1.AMTBL");

        ACCTTBL.setModel(DbUtils.resultSetToTableModel(Rs));

    }catch(Exception e)

    {

        e.printStackTrace();

    }

}

```

```

    public void SelectCatList()

    {

        try {

            Con =
DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");

            St = Con.createStatement();

            Rs = St.executeQuery("Select * from User1.CATEGORYTBL");

            CATTBL.setModel(DbUtils.resultSetToTableModel(Rs));

        }catch(Exception e)

        {

            e.printStackTrace();

        }

    }

    public void SelectInvRep()

    {

```

```

try {
    Con =
DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");

    St = Con.createStatement();

    Rs = St.executeQuery("Select * from User1.INVREPTBL ORDER BY PURDATE,
PRODID");

    InvSumm.setModel(DbUtils.resultSetToTableModel(Rs));

} catch (Exception e)
{
    e.printStackTrace();
}
}

```

// <editor-fold defaultstate="collapsed" desc="Generated Code">

```
private void initComponents() {
```

```

jPanel1 = new javax.swing.JPanel();
CloseButton = new javax.swing.JLabel();
InterfacePane = new javax.swing.JTabbedPane();
jPanel2 = new javax.swing.JPanel();
jLabel1 = new javax.swing.JLabel();
jLabel2 = new javax.swing.JLabel();
PRODID = new javax.swing.JTextField();
jLabel3 = new javax.swing.JLabel();
PRODNAME = new javax.swing.JTextField();

```

```
PRODPRICE = new javax.swing.JTextField();
PRODQTY = new javax.swing.JTextField();
jLabel4 = new javax.swing.JLabel();
jLabel6 = new javax.swing.JLabel();
jLabel7 = new javax.swing.JLabel();
PROCAT = new javax.swing.JComboBox();
jScrollPane1 = new javax.swing.JScrollPane();
ProInvTbl = new javax.swing.JTable();
jLabel8 = new javax.swing.JLabel();
AddBtn = new javax.swing.JButton();
EditBtn = new javax.swing.JButton();
RemoveBtn = new javax.swing.JButton();
ClearBtn = new javax.swing.JButton();
jPanel3 = new javax.swing.JPanel();
jLabel9 = new javax.swing.JLabel();
jLabel13 = new javax.swing.JLabel();
jLabel10 = new javax.swing.JLabel();
ACCTID = new javax.swing.JTextField();
ACCTUNAME = new javax.swing.JTextField();
jLabel12 = new javax.swing.JLabel();
jLabel11 = new javax.swing.JLabel();
ACCTPASS = new javax.swing.JTextField();
ACCTROLE = new javax.swing.JComboBox();
ClearBtn1 = new javax.swing.JButton();
RemoveBtn1 = new javax.swing.JButton();
```

```
EditBtn1 = new javax.swing.JButton();
AddBtn1 = new javax.swing.JButton();
jLabel14 = new javax.swing.JLabel();
jScrollPane2 = new javax.swing.JScrollPane();
ACCTTBL = new javax.swing.JTable();
jPanel4 = new javax.swing.JPanel();
jLabel15 = new javax.swing.JLabel();
jLabel16 = new javax.swing.JLabel();
jLabel17 = new javax.swing.JLabel();
CATID = new javax.swing.JTextField();
CATDESC = new javax.swing.JTextField();
jLabel18 = new javax.swing.JLabel();
CATNAME = new javax.swing.JTextField();
ClearBtn2 = new javax.swing.JButton();
RemoveBtn2 = new javax.swing.JButton();
EditBtn2 = new javax.swing.JButton();
Add_Btn = new javax.swing.JButton();
jLabel19 = new javax.swing.JLabel();
jScrollPane3 = new javax.swing.JScrollPane();
CATTBL = new javax.swing.JTable();
jPanel5 = new javax.swing.JPanel();
jLabel20 = new javax.swing.JLabel();
jLabel21 = new javax.swing.JLabel();
jLabel23 = new javax.swing.JLabel();
PrintBtn2 = new javax.swing.JButton();
```

```
GenBtn2 = new javax.swing.JButton();
SelYear2 = new javax.swing.JTextField();
SelMonth2 = new javax.swing.JComboBox();
jScrollPane6 = new javax.swing.JScrollPane();
InvSumm = new javax.swing.JTable();
jLabel37 = new javax.swing.JLabel();
jLabel38 = new javax.swing.JLabel();
jPanel10 = new javax.swing.JPanel();
FILCAT = new javax.swing.JComboBox();
jLabel50 = new javax.swing.JLabel();
jLabel22 = new javax.swing.JLabel();
SortBtn = new javax.swing.JButton();
jScrollPane9 = new javax.swing.JScrollPane();
ProDisTbl = new javax.swing.JTable();
jLabel51 = new javax.swing.JLabel();
jScrollPane10 = new javax.swing.JScrollPane();
ListDis = new javax.swing.JTextArea();
TotPr = new javax.swing.JLabel();
ClearBtn4 = new javax.swing.JButton();
Add2Btn = new javax.swing.JButton();
PRODQTY2 = new javax.swing.JTextField();
jLabel52 = new javax.swing.JLabel();
PROCAT2 = new javax.swing.JLabel();
jLabel53 = new javax.swing.JLabel();
PRODPRICE2 = new javax.swing.JLabel();
```

```
jLabel54 = new javax.swing.JLabel();
PRODNAME2 = new javax.swing.JLabel();
jLabel55 = new javax.swing.JLabel();
PRODID2 = new javax.swing.JLabel();
jLabel56 = new javax.swing.JLabel();
jLabel57 = new javax.swing.JLabel();
jLabel58 = new javax.swing.JLabel();
jLabel59 = new javax.swing.JLabel();
SelTab = new javax.swing.JTabbedPane();
jPanel6 = new javax.swing.JPanel();
ProInvBtn = new javax.swing.JLabel();
MngAcctBtn = new javax.swing.JLabel();
MngCatBtn = new javax.swing.JLabel();
DisBtn = new javax.swing.JLabel();
jLabel5 = new javax.swing.JLabel();
LOutBtn = new javax.swing.JLabel();
SRBtn2 = new javax.swing.JLabel();
jPanel8 = new javax.swing.JPanel();
ProInvBtn1 = new javax.swing.JLabel();
MngAcctBtn1 = new javax.swing.JLabel();
MngCatBtn1 = new javax.swing.JLabel();
SRBtn1 = new javax.swing.JLabel();
jLabel24 = new javax.swing.JLabel();
LOutBtn1 = new javax.swing.JLabel();
DisBtn2 = new javax.swing.JLabel();
```

```
jPanel13 = new javax.swing.JPanel();  
ProInvBtn4 = new javax.swing.JLabel();  
MngAcctBtn4 = new javax.swing.JLabel();  
MngCatBtn4 = new javax.swing.JLabel();  
SRBtn4 = new javax.swing.JLabel();  
jLabel27 = new javax.swing.JLabel();  
LOutBtn4 = new javax.swing.JLabel();  
DisBtn3 = new javax.swing.JLabel();  
jPanel14 = new javax.swing.JPanel();  
ProInvBtn5 = new javax.swing.JLabel();  
MngAcctBtn5 = new javax.swing.JLabel();  
MngCatBtn5 = new javax.swing.JLabel();  
SRBtn5 = new javax.swing.JLabel();  
jLabel28 = new javax.swing.JLabel();  
LOutBtn5 = new javax.swing.JLabel();  
DisBtn4 = new javax.swing.JLabel();  
jPanel15 = new javax.swing.JPanel();  
ProInvBtn6 = new javax.swing.JLabel();  
MngAcctBtn6 = new javax.swing.JLabel();  
MngCatBtn6 = new javax.swing.JLabel();  
SRBtn6 = new javax.swing.JLabel();  
jLabel49 = new javax.swing.JLabel();  
LOutBtn6 = new javax.swing.JLabel();  
DisBtn1 = new javax.swing.JLabel();
```



```

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
setUndecorated(true);

getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

jPanel1.setBackground(new java.awt.Color(255, 255, 255));
jPanel1.setPreferredSize(new java.awt.Dimension(1280, 720));
jPanel1.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

CloseButton.setFont(new java.awt.Font("Arial Black", 1, 18)); // NOI18N
CloseButton.setForeground(new java.awt.Color(255, 103, 0));
CloseButton.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
CloseButton.setText("X");
CloseButton.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
CloseButton.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        CloseButtonMouseClicked(evt);
    }
});

jPanel1.add(CloseButton, new
org.netbeans.lib.awtextra.AbsoluteConstraints(1240, 0, 39, 34));

jPanel2.setBackground(new java.awt.Color(255, 255, 255));

jLabel1.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
jLabel1.setForeground(new java.awt.Color(255, 102, 0));
jLabel1.setText("Category");

```

```
jLabel2.setFont(new java.awt.Font("Century Gothic", 1, 36)); // NOI18N  
jLabel2.setForeground(new java.awt.Color(255, 102, 0));  
jLabel2.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);  
jLabel2.setText("Product Inventory");
```

```
PRODID.setFont(new java.awt.Font("Century Gothic", 0, 18)); // NOI18N
```

```
jLabel3.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N  
jLabel3.setForeground(new java.awt.Color(255, 102, 0));  
jLabel3.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);  
jLabel3.setText("Product Name");
```

```
PRODNAME.setFont(new java.awt.Font("Century Gothic", 0, 18)); // NOI18N
```

```
PRODPRICE.setFont(new java.awt.Font("Century Gothic", 0, 18)); // NOI18N
```

```
PRODQTY.setFont(new java.awt.Font("Century Gothic", 0, 18)); // NOI18N
```

```
jLabel4.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N  
jLabel4.setForeground(new java.awt.Color(255, 102, 0));  
jLabel4.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);  
jLabel4.setText("Price");
```

```
jLabel6.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```

```
jLabel6.setForeground(new java.awt.Color(255, 102, 0));
```

```
jLabel6.setText("Quantity");
```

```
jLabel7.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```

```
jLabel7.setForeground(new java.awt.Color(255, 102, 0));
```

```
jLabel7.setText("Product ID");
```

```
PROCAT.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N
```

```
PROCAT.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
```

```
jScrollPane1.setCursor(new  
java.awt.Cursor(java.awt.Cursor.DEFAULT_CURSOR));
```

```
jScrollPane1.setEnabled(false);
```

```
jScrollPane1.setFont(new java.awt.Font("Century Gothic", 0, 13)); // NOI18N
```

```
ProInvTbl.setFont(new java.awt.Font("Century Gothic", 0, 18)); // NOI18N
```

```
ProInvTbl.setCursor(new  
java.awt.Cursor(java.awt.Cursor.DEFAULT_CURSOR));
```

```
ProInvTbl.setInterCellSpacing(new java.awt.Dimension(0, 0));
```

```
ProInvTbl.setRowHeight(25);
```

```
ProInvTbl.setSelectionBackground(new java.awt.Color(225, 102, 0));
```

```
ProInvTbl.addMouseListener(new java.awt.event.MouseAdapter() {
```

```
public void mouseClicked(java.awt.event.MouseEvent evt) {
```

```
    ProInvTblMouseClicked(evt);
```

```
}
```

```
});
```

```
jScrollPane1.setViewportView(ProInvTbl);
```

```
jLabel8.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```

```
jLabel8.setForeground(new java.awt.Color(255, 102, 0));
```

```
jLabel8.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
```

```
jLabel8.setText("List of Products");
```

```
AddBtn.setBackground(new java.awt.Color(255, 102, 0));
```

```
AddBtn.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N
```

```
AddBtn.setForeground(new java.awt.Color(240, 240, 240));
```

```
AddBtn.setText("ADD");
```

```
AddBtn.setBorder(null);
```

```
AddBtn.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
```

```
AddBtn.addMouseListener(new java.awt.event.MouseAdapter() {
```

```
    public void mouseClicked(java.awt.event.MouseEvent evt) {
```

```
        AddBtnMouseClicked(evt);
```

```
    }
```

```
});
```

```
EditBtn.setBackground(new java.awt.Color(255, 102, 0));
```

```
EditBtn.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N
```

```
EditBtn.setForeground(new java.awt.Color(240, 240, 240));
```

```
EditBtn.setText("UPDATE");
```

```
EditBtn.setBorder(null);
```

```
EditBtn.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
```

```
EditBtn.addMouseListener(new java.awt.event.MouseAdapter() {  
    public void mouseClicked(java.awt.event.MouseEvent evt) {  
        EditBtnMouseClicked(evt);  
    }  
});
```

```
RemoveBtn.setBackground(new java.awt.Color(255, 102, 0));  
RemoveBtn.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N  
RemoveBtn.setForeground(new java.awt.Color(240, 240, 240));  
RemoveBtn.setText("REMOVE");  
RemoveBtn.setBorder(null);  
RemoveBtn.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));  
RemoveBtn.addMouseListener(new java.awt.event.MouseAdapter() {  
    public void mouseClicked(java.awt.event.MouseEvent evt) {  
        RemoveBtnMouseClicked(evt);  
    }  
});
```

```
ClearBtn.setBackground(new java.awt.Color(255, 102, 0));  
ClearBtn.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N  
ClearBtn.setForeground(new java.awt.Color(240, 240, 240));  
ClearBtn.setText("CLEAR");  
ClearBtn.setBorder(null);  
ClearBtn.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));  
ClearBtn.addMouseListener(new java.awt.event.MouseAdapter() {
```

```

    public void mouseClicked(java.awt.event.MouseEvent evt) {
        ClearBtnMouseClicked(evt);
    }
});

    javax.swing.GroupLayout jPanel2Layout = new
    javax.swing.GroupLayout(jPanel2);

    jPanel2.setLayout(jPanel2Layout);
    jPanel2Layout.setHorizontalGroup(

    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
        jPanel2Layout.createSequentialGroup()

            .addGap()

            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

                .addComponent(jLabel2, javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

                .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
                jPanel2Layout.createSequentialGroup()

                    .addGap(0, 0, Short.MAX_VALUE)

                    .addComponent(AddBtn, javax.swing.GroupLayout.PREFERRED_SIZE,
                    145, javax.swing.GroupLayout.PREFERRED_SIZE)

                    .addGap(56, 56, 56)

                    .addComponent(EditBtn, javax.swing.GroupLayout.PREFERRED_SIZE,
                    145, javax.swing.GroupLayout.PREFERRED_SIZE)

                    .addGap(57, 57, 57)

```

```

        .addComponent(RemoveBtn,
javax.swing.GroupLayout.PREFERRED_SIZE, 145,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGap(61, 61, 61)

        .addComponent(ClearBtn, javax.swing.GroupLayout.PREFERRED_SIZE,
145, javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGap(151, 151, 151))

        .addGroup(jPanel2Layout.createSequentialGroup())

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LE
ADING))

        .addGroup(jPanel2Layout.createSequentialGroup())

        .addGap(98, 98, 98)

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LE
ADING))

        .addComponent(jLabel3,
javax.swing.GroupLayout.PREFERRED_SIZE, 191,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addComponent(jLabel7,
javax.swing.GroupLayout.PREFERRED_SIZE, 157,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LE
ADING, false)

        .addComponent(PRODID)

        .addComponent(PRODNAME,
javax.swing.GroupLayout.PREFERRED_SIZE, 250,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGap(18, 18, 18)

```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
```

```
    .addComponent(jLabel4,  
        javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,  
        Short.MAX_VALUE)
```

```
    .addComponent(jLabel6,  
        javax.swing.GroupLayout.PREFERRED_SIZE, 131,  
        javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
    .addGap(13, 13, 13)
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
    .addComponent(PRODPRICE,  
        javax.swing.GroupLayout.PREFERRED_SIZE, 250,  
        javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
    .addComponent(PRODQTY,  
        javax.swing.GroupLayout.PREFERRED_SIZE, 250,  
        javax.swing.GroupLayout.PREFERRED_SIZE)))
```

```
    .addGroup(jPanel2Layout.createSequentialGroup())
```

```
    .addGap(308, 308, 308)
```

```
    .addComponent(jLabel1,  
        javax.swing.GroupLayout.PREFERRED_SIZE, 146,  
        javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
```

```
    .addComponent(PROCAT,  
        javax.swing.GroupLayout.PREFERRED_SIZE, 262,  
        javax.swing.GroupLayout.PREFERRED_SIZE)))
```

```
    .addGap(0, 137, Short.MAX_VALUE))
```

```
    .addGroup(jPanel2Layout.createSequentialGroup())
```

```
    .addComponent(jLabel8, javax.swing.GroupLayout.DEFAULT_SIZE,  
        javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
```



```

        .addContainerGap()))

    .addGroup(jPanel2Layout.createSequentialGroup())

        .addGap(43, 43, 43)

        .addComponent(jScrollPane1,
javax.swing.GroupLayout.PREFERRED_SIZE, 1010,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGap(0, 0, Short.MAX_VALUE))

    );

    jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(jPanel2Layout.createSequentialGroup())

            .addGap(88, 88, 88)

            .addComponent(jLabel2)

            .addGap(27, 27, 27)

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

            .addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT_SIZE, 33,
Short.MAX_VALUE)

            .addComponent(PROCAT, javax.swing.GroupLayout.PREFERRED_SIZE,
31, javax.swing.GroupLayout.PREFERRED_SIZE))

            .addGap(18, 18, 18)

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

            .addGroup(jPanel2Layout.createSequentialGroup())

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

```

```
.addComponent(PRODID,  
javax.swing.GroupLayout.PREFERRED_SIZE, 31,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
.addComponent(jLabel7,  
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,  
Short.MAX_VALUE))
```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
```

```
.addComponent(jLabel3,  
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,  
Short.MAX_VALUE)
```

```
.addComponent(PRODNAME,  
javax.swing.GroupLayout.PREFERRED_SIZE, 31,  
javax.swing.GroupLayout.PREFERRED_SIZE)))
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
```

```
.addGroup(jPanel2Layout.createSequentialGroup()
```

```
.addComponent(jLabel6)
```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
```

```
.addComponent(jLabel4))
```

```
.addGroup(jPanel2Layout.createSequentialGroup()
```

```
.addComponent(PRODQTY,  
javax.swing.GroupLayout.PREFERRED_SIZE, 31,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
```

```
.addComponent(PRODPRICE,  
javax.swing.GroupLayout.PREFERRED_SIZE, 31,  
javax.swing.GroupLayout.PREFERRED_SIZE)))
```

```

        .addGap(47, 47, 47)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

        .addComponent(AddBtn, javax.swing.GroupLayout.PREFERRED_SIZE,
47, javax.swing.GroupLayout.PREFERRED_SIZE)

        .addComponent(EditBtn, javax.swing.GroupLayout.PREFERRED_SIZE,
47, javax.swing.GroupLayout.PREFERRED_SIZE)

        .addComponent(RemoveBtn,
javax.swing.GroupLayout.PREFERRED_SIZE, 47,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addComponent(ClearBtn, javax.swing.GroupLayout.PREFERRED_SIZE,
47, javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGap(18, 18, 18)

        .addComponent(jLabel8)

        .addGap(18, 18, 18)

        .addComponent(jScrollPane1,
javax.swing.GroupLayout.PREFERRED_SIZE, 226,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGap(222, 222, 222))

);

```

```

InterfacePane.addTab("Inventory", jPanel2);

```

```

jPanel3.setBackground(new java.awt.Color(255, 255, 255));

```

```

jLabel9.setFont(new java.awt.Font("Century Gothic", 1, 36)); // NOI18N

```

```

jLabel9.setForeground(new java.awt.Color(255, 102, 0));

```

```

jLabel9.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

```

```
jLabel9.setText("Manage Accounts");
```

```
jLabel13.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```

```
jLabel13.setForeground(new java.awt.Color(255, 102, 0));
```

```
jLabel13.setText("AccountID");
```

```
jLabel10.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```

```
jLabel10.setForeground(new java.awt.Color(255, 102, 0));
```

```
jLabel10.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);
```

```
jLabel10.setText("Username");
```

```
ACCTID.setFont(new java.awt.Font("Century Gothic", 0, 18)); // NOI18N
```

```
ACCTUNAME.setFont(new java.awt.Font("Century Gothic", 0, 18)); // NOI18N
```

```
jLabel12.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```

```
jLabel12.setForeground(new java.awt.Color(255, 102, 0));
```

```
jLabel12.setText("Password");
```

```
jLabel11.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```

```
jLabel11.setForeground(new java.awt.Color(255, 102, 0));
```

```
jLabel11.setText("Role");
```

```
ACCTPASS.setFont(new java.awt.Font("Century Gothic", 0, 18)); // NOI18N
```

```
ACCTROLE.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N
ACCTROLE.setModel(new javax.swing.DefaultComboBoxModel(new String[] {
"Manager", "Clerk" }));
ACCTROLE.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
```

```
ClearBtn1.setBackground(new java.awt.Color(255, 102, 0));
ClearBtn1.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N
ClearBtn1.setForeground(new java.awt.Color(240, 240, 240));
ClearBtn1.setText("CLEAR");
ClearBtn1.setBorder(null);
ClearBtn1.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
ClearBtn1.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        ClearBtn1MouseClicked(evt);
    }
});
```

```
RemoveBtn1.setBackground(new java.awt.Color(255, 102, 0));
RemoveBtn1.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N
RemoveBtn1.setForeground(new java.awt.Color(240, 240, 240));
RemoveBtn1.setText("REMOVE");
RemoveBtn1.setBorder(null);
RemoveBtn1.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
RemoveBtn1.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        RemoveBtn1MouseClicked(evt);
    }
});
```

```
}
```

```
});
```

```
EditBtn1.setBackground(new java.awt.Color(255, 102, 0));
```

```
EditBtn1.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N
```

```
EditBtn1.setForeground(new java.awt.Color(240, 240, 240));
```

```
EditBtn1.setText("UPDATE");
```

```
EditBtn1.setBorder(null);
```

```
EditBtn1.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
```

```
EditBtn1.addMouseListener(new java.awt.event.MouseAdapter() {
```

```
public void mouseClicked(java.awt.event.MouseEvent evt) {
```

```
    EditBtn1MouseClicked(evt);
```

```
}
```

```
});
```

```
AddBtn1.setBackground(new java.awt.Color(255, 102, 0));
```

```
AddBtn1.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N
```

```
AddBtn1.setForeground(new java.awt.Color(240, 240, 240));
```

```
AddBtn1.setText("ADD");
```

```
AddBtn1.setBorder(null);
```

```
AddBtn1.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
```

```
AddBtn1.addMouseListener(new java.awt.event.MouseAdapter() {
```

```
public void mouseClicked(java.awt.event.MouseEvent evt) {
```

```
    AddBtn1MouseClicked(evt);
```

```
}
```

```
});
```

```
jLabel14.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N  
jLabel14.setForeground(new java.awt.Color(255, 102, 0));  
jLabel14.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);  
jLabel14.setText("List of Accounts");
```

```
ACCTTBL.setFont(new java.awt.Font("Century Gothic", 0, 18)); // NOI18N  
ACCTTBL.setModel(new javax.swing.table.DefaultTableModel(  
    new Object [][] {  
        {null, null, null, null},  
        {null, null, null, null},  
        {null, null, null, null},  
        {null, null, null, null},  
        {null, null, null, null}  
    },  
    new String [] {  
        "AccountID", "Username", "Password", "Gender"  
    }  
));  
ACCTTBL.setInterCellSpacing(new java.awt.Dimension(0, 0));  
ACCTTBL.setRowHeight(25);  
ACCTTBL.setSelectionBackground(new java.awt.Color(225, 102, 0));  
ACCTTBL.addMouseListener(new java.awt.event.MouseAdapter() {  
    public void mouseClicked(java.awt.event.MouseEvent evt) {
```

```

        ACCTTBLMouseClicked(evt);
    }

});

jScrollPane2.setViewportViewView(ACCTTBL);

    javax.swing.GroupLayout jPanel3Layout = new
    javax.swing.GroupLayout(jPanel3);

    jPanel3.setLayout(jPanel3Layout);

    jPanel3Layout.setHorizontalGroup(

        jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

            .addComponent(jLabel9, javax.swing.GroupLayout.DEFAULT_SIZE,
            javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

            .addGroup(jPanel3Layout.createSequentialGroup()

                .addGap(142, 142, 142)

                .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

                    .addGroup(jPanel3Layout.createSequentialGroup()

                        .addGap(56, 56, 56)

                        .addComponent(EditBtn1, javax.swing.GroupLayout.PREFERRED_SIZE,
                        145, javax.swing.GroupLayout.PREFERRED_SIZE)

                        .addGap(57, 57, 57)

                        .addComponent(RemoveBtn1,
                        javax.swing.GroupLayout.PREFERRED_SIZE, 145,
                        javax.swing.GroupLayout.PREFERRED_SIZE)
                    )
                )
            )
        )
    )
}

```



```

        .addGap(61, 61, 61)

        .addComponent(ClearBtn1,
javax.swing.GroupLayout.PREFERRED_SIZE, 145,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGap(117, 117, 117))

        .addComponent(jLabel14, javax.swing.GroupLayout.DEFAULT_SIZE,
1093, Short.MAX_VALUE)))

    .addGroup(jPanel3Layout.createSequentialGroup())

    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING))

        .addGroup(jPanel3Layout.createSequentialGroup())

        .addGap(98, 98, 98)

    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING))

        .addComponent(jLabel10,
javax.swing.GroupLayout.PREFERRED_SIZE, 191,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addComponent(jLabel13,
javax.swing.GroupLayout.PREFERRED_SIZE, 157,
javax.swing.GroupLayout.PREFERRED_SIZE))

    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false))

        .addComponent(ACCTID)

        .addComponent(ACCTUNAME,
javax.swing.GroupLayout.PREFERRED_SIZE, 250,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGap(26, 26, 26)

```

```
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
```

```
    .addComponent(jLabel11,  
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,  
Short.MAX_VALUE)
```

```
    .addComponent(jLabel12,  
javax.swing.GroupLayout.DEFAULT_SIZE, 131, Short.MAX_VALUE))
```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
```

```
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
```

```
    .addComponent(ACCTPASS,  
javax.swing.GroupLayout.DEFAULT_SIZE, 250, Short.MAX_VALUE)
```

```
    .addComponent(ACCTROLE, 0,  
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)))
```

```
    .addGroup(jPanel3Layout.createSequentialGroup())
```

```
    .addGap(103, 103, 103)
```

```
    .addComponent(jScrollPane2,  
javax.swing.GroupLayout.PREFERRED_SIZE, 862,  
javax.swing.GroupLayout.PREFERRED_SIZE)))
```

```
    .addGap(0, 0, Short.MAX_VALUE))
```

```
);
```

```
jPanel3Layout.setVerticalGroup(
```

```
jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
    .addGroup(jPanel3Layout.createSequentialGroup())
```

```
    .addGap(66, 66, 66)
```

```
    .addComponent(jLabel9)
```

```
    .addGap(56, 56, 56)
```

```
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
```

```
.addComponent(ACCTID, javax.swing.GroupLayout.PREFERRED_SIZE, 31, javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
.addComponent(jLabel13, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
```

```
.addGroup(jPanel3Layout.createSequentialGroup()
```

```
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
```

```
.addComponent(jLabel12)
```

```
.addComponent(ACCTPASS, javax.swing.GroupLayout.PREFERRED_SIZE, 31, javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
.addGap(0, 0, Short.MAX_VALUE)))
```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
```

```
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
```

```
.addComponent(jLabel10, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
```

```
.addComponent(jLabel11, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
```

```
.addComponent(ACCTUNAME)
```

```
.addComponent(ACCTROLE, javax.swing.GroupLayout.PREFERRED_SIZE, 31, javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
.addGap(52, 52, 52)
```

```
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
```

```
    .addComponent(AddBtn1, javax.swing.GroupLayout.PREFERRED_SIZE, 47, javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
    .addComponent(EditBtn1, javax.swing.GroupLayout.PREFERRED_SIZE, 47, javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
    .addComponent(RemoveBtn1, javax.swing.GroupLayout.PREFERRED_SIZE, 47, javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
    .addComponent(ClearBtn1, javax.swing.GroupLayout.PREFERRED_SIZE, 47, javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
    .addGap(18, 18, 18)
```

```
    .addComponent(jLabel14)
```

```
    .addGap(18, 18, 18)
```

```
    .addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED_SIZE, 226, javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
    .addGap(104, 104, 104))
```

```
);
```

```
InterfacePane.addTab("Accounts", jPanel3);
```

```
jPanel4.setBackground(new java.awt.Color(255, 255, 255));
```

```
jLabel15.setFont(new java.awt.Font("Century Gothic", 1, 36)); // NOI18N
```

```
jLabel15.setForeground(new java.awt.Color(255, 102, 0));
```

```
jLabel15.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
```

```
jLabel15.setText("Manage Categories");
```

```
jLabel16.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N  
jLabel16.setForeground(new java.awt.Color(255, 102, 0));  
jLabel16.setText("Category ID");
```

```
jLabel17.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N  
jLabel17.setForeground(new java.awt.Color(255, 102, 0));  
jLabel17.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);  
jLabel17.setText("Description");
```

```
CATID.setFont(new java.awt.Font("Century Gothic", 0, 18)); // NOI18N
```

```
CATDESC.setFont(new java.awt.Font("Century Gothic", 0, 18)); // NOI18N
```

```
jLabel18.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N  
jLabel18.setForeground(new java.awt.Color(255, 102, 0));  
jLabel18.setText("Name");
```

```
CATNAME.setFont(new java.awt.Font("Century Gothic", 0, 18)); // NOI18N
```

```
ClearBtn2.setBackground(new java.awt.Color(255, 102, 0));  
ClearBtn2.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N  
ClearBtn2.setForeground(new java.awt.Color(240, 240, 240));  
ClearBtn2.setText("CLEAR");  
ClearBtn2.setBorder(null);
```

```
ClearBtn2.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));  
ClearBtn2.addMouseListener(new java.awt.event.MouseAdapter() {  
    public void mouseClicked(java.awt.event.MouseEvent evt) {  
        ClearBtn2MouseClicked(evt);  
    }  
});
```

```
RemoveBtn2.setBackground(new java.awt.Color(255, 102, 0));  
RemoveBtn2.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N  
RemoveBtn2.setForeground(new java.awt.Color(240, 240, 240));  
RemoveBtn2.setText("REMOVE");  
RemoveBtn2.setBorder(null);  
RemoveBtn2.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));  
RemoveBtn2.addMouseListener(new java.awt.event.MouseAdapter() {  
    public void mouseClicked(java.awt.event.MouseEvent evt) {  
        RemoveBtn2MouseClicked(evt);  
    }  
});
```

```
EditBtn2.setBackground(new java.awt.Color(255, 102, 0));  
EditBtn2.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N  
EditBtn2.setForeground(new java.awt.Color(240, 240, 240));  
EditBtn2.setText("UPDATE");  
EditBtn2.setBorder(null);  
EditBtn2.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
```

```
    EditBtn2.addMouseListener(new java.awt.event.MouseAdapter() {  
        public void mouseClicked(java.awt.event.MouseEvent evt) {  
            EditBtn2MouseClicked(evt);  
        }  
    });
```

```
    Add_Btn.setBackground(new java.awt.Color(255, 102, 0));  
    Add_Btn.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N  
    Add_Btn.setForeground(new java.awt.Color(240, 240, 240));  
    Add_Btn.setText("ADD");  
    Add_Btn.setBorder(null);  
    Add_Btn.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));  
    Add_Btn.addMouseListener(new java.awt.event.MouseAdapter() {  
        public void mouseClicked(java.awt.event.MouseEvent evt) {  
            Add_BtnMouseClicked(evt);  
        }  
    });
```

```
    jLabel19.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N  
    jLabel19.setForeground(new java.awt.Color(255, 102, 0));  
    jLabel19.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);  
    jLabel19.setText("List of Categories");
```

```
    CATTBL.setFont(new java.awt.Font("Century Gothic", 0, 18)); // NOI18N  
    CATTBL.setModel(new javax.swing.table.DefaultTableModel(  

```

```

new Object [][] {
    {null, null, null},
    {null, null, null},
    {null, null, null},
    {null, null, null},
    {null, null, null},
    {null, null, null},
    {null, null, null}
},
new String [] {
    "Category ID", "Name", "Description"
}
));
CATTBL.setInterCellSpacing(new java.awt.Dimension(0, 0));
CATTBL.setRowHeight(25);
CATTBL.setSelectionBackground(new java.awt.Color(225, 102, 0));
CATTBL.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        CATTBLMouseClicked(evt);
    }
});
jScrollPane3.setViewportViewView(CATTBL);

    javax.swing.GroupLayout jPanel4Layout = new
    javax.swing.GroupLayout(jPanel4);
    jPanel4.setLayout(jPanel4Layout);

```



```

jPanel4Layout.setHorizontalGroup(

jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

    .addComponent(jLabel15, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

    .addGroup(jPanel4Layout.createSequentialGroup())

        .addGap(98, 98, 98)

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

    .addComponent(jLabel17, javax.swing.GroupLayout.PREFERRED_SIZE,
191, javax.swing.GroupLayout.PREFERRED_SIZE)

    .addComponent(jLabel16, javax.swing.GroupLayout.PREFERRED_SIZE,
157, javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

    .addGroup(jPanel4Layout.createSequentialGroup())

        .addComponent(CATID, javax.swing.GroupLayout.DEFAULT_SIZE, 250,
Short.MAX_VALUE)

        .addGap(26, 26, 26)

        .addComponent(jLabel18, javax.swing.GroupLayout.PREFERRED_SIZE,
131, javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

    .addComponent(CATNAME,
javax.swing.GroupLayout.PREFERRED_SIZE, 250,
javax.swing.GroupLayout.PREFERRED_SIZE))

    .addComponent(CATDESC))

    .addGap(0, 0, Short.MAX_VALUE))

```

```

        .addGroup(jPanel4Layout.createSequentialGroup())

        .addContainerGap()

        .addComponent(jLabel19, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

        .addContainerGap())

        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel4Layout.createSequentialGroup())

        .addContainerGap(194, Short.MAX_VALUE)

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel4Layout.createSequentialGroup())

        .addComponent(jScrollPane3,
javax.swing.GroupLayout.PREFERRED_SIZE, 762,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGap(149, 149, 149))

        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel4Layout.createSequentialGroup())

        .addComponent(Add_Btn, javax.swing.GroupLayout.PREFERRED_SIZE,
145, javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGap(56, 56, 56)

        .addComponent(EditBtn2, javax.swing.GroupLayout.PREFERRED_SIZE,
145, javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGap(57, 57, 57)

        .addComponent(RemoveBtn2,
javax.swing.GroupLayout.PREFERRED_SIZE, 145,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGap(61, 61, 61)

        .addComponent(ClearBtn2,
javax.swing.GroupLayout.PREFERRED_SIZE, 145,
javax.swing.GroupLayout.PREFERRED_SIZE)

```

```

        .addGap(154, 154, 154))))
    );

    JPanel4Layout.setVerticalGroup(

JPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(JPanel4Layout.createSequentialGroup()

            .addGap(72, 72, 72)

            .addComponent(jLabel15)

            .addGap(50, 50, 50)

            .addGroup(JPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

                .addGroup(JPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

                    .addComponent(CATID, javax.swing.GroupLayout.PREFERRED_SIZE,
31, javax.swing.GroupLayout.PREFERRED_SIZE)

                    .addComponent(jLabel16, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

                .addGroup(JPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

                    .addComponent(jLabel18)

                    .addComponent(CATNAME,
javax.swing.GroupLayout.PREFERRED_SIZE, 31,
javax.swing.GroupLayout.PREFERRED_SIZE)))

            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

            .addGroup(JPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

                .addComponent(jLabel17)

```

```

        .addComponent(CATDESC,
javafx.swing.GroupLayout.PREFERRED_SIZE, 31,
javafx.swing.GroupLayout.PREFERRED_SIZE))

        .addGap(39, 39, 39)

        .addGroup(jPanel4Layout.createParallelGroup(javafx.swing.GroupLayout.Alignment.BASELINE)

        .addComponent(Add_Btn, javafx.swing.GroupLayout.PREFERRED_SIZE,
47, javafx.swing.GroupLayout.PREFERRED_SIZE)

        .addComponent(EditBtn2, javafx.swing.GroupLayout.PREFERRED_SIZE,
47, javafx.swing.GroupLayout.PREFERRED_SIZE)

        .addComponent(RemoveBtn2,
javafx.swing.GroupLayout.PREFERRED_SIZE, 47,
javafx.swing.GroupLayout.PREFERRED_SIZE)

        .addComponent(ClearBtn2,
javafx.swing.GroupLayout.PREFERRED_SIZE, 47,
javafx.swing.GroupLayout.PREFERRED_SIZE))

        .addGap(18, 18, 18)

        .addComponent(jLabel19)

        .addGap(18, 18, 18)

        .addComponent(jScrollPane3,
javafx.swing.GroupLayout.PREFERRED_SIZE, 226,
javafx.swing.GroupLayout.PREFERRED_SIZE)

        .addGap(21, 21, 21))

    );

```

```

InterfacePane.addTab("Categories", jPanel4);

```

```

jPanel5.setBackground(new java.awt.Color(255, 255, 255));

```

```

jLabel20.setFont(new java.awt.Font("Century Gothic", 1, 36)); // NOI18N

```

```
jLabel20.setForeground(new java.awt.Color(255, 102, 0));
jLabel20.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel20.setText("Generator");

jLabel21.setFont(new java.awt.Font("Century Gothic", 1, 36)); // NOI18N
jLabel21.setForeground(new java.awt.Color(255, 102, 0));
jLabel21.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel21.setIcon(new javax.swing.ImageIcon("F:\\CaseStudy\\dashboard.png"));
// NOI18N
```

```
jLabel23.setFont(new java.awt.Font("Century Gothic", 1, 36)); // NOI18N
jLabel23.setForeground(new java.awt.Color(255, 102, 0));
jLabel23.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel23.setText("Inventory Report");
```

```
PrintBtn2.setBackground(new java.awt.Color(255, 102, 0));
PrintBtn2.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N
PrintBtn2.setForeground(new java.awt.Color(240, 240, 240));
PrintBtn2.setText("PRINT REPORT");
PrintBtn2.setBorder(null);
PrintBtn2.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
PrintBtn2.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        PrintBtn2MouseClicked(evt);
    }
});
```

```
GenBtn2.setBackground(new java.awt.Color(255, 102, 0));

GenBtn2.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N

GenBtn2.setForeground(new java.awt.Color(240, 240, 240));

GenBtn2.setText("GENERATE SUMMARY");

GenBtn2.setBorder(null);

GenBtn2.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));

GenBtn2.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        GenBtn2MouseClicked(evt);
    }
});
```

```
SelYear2.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N

SelYear2.setText("2021");

SelYear2.setToolTipText("Enter year (YYYY)");
```

```
SelMonth2.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N

SelMonth2.setForeground(new java.awt.Color(255, 102, 0));

SelMonth2.setModel(new javax.swing.DefaultComboBoxModel(new String[] {
    "January", "February", "March", "April", "May", "June", "July", "August", "September",
    "October", "November", "December" }));

SelMonth2.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
```

```
InvSumm.setFont(new java.awt.Font("Century Gothic", 0, 18)); // NOI18N

InvSumm.setModel(new javax.swing.table.DefaultTableModel(
```

```

new Object [][] {
    {null, null, null, null, null, null},
    {null, null, null, null, null, null},
    {null, null, null, null, null, null},
    {null, null, null, null, null, null},
    {null, null, null, null, null, null}
},
new String [] {
    "PRODID", "PRODNAME", "PRODQTY", "PRODPRICE", "PRODCAT",
    "PURDATE"
}
));

InvSumm.setInterCellSpacing(new java.awt.Dimension(0, 0));
InvSumm.setRowHeight(25);
InvSumm.setSelectionBackground(new java.awt.Color(225, 102, 0));
jScrollPane6.setViewportViewView(InvSumm);

jLabel37.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N
jLabel37.setForeground(new java.awt.Color(255, 102, 0));
jLabel37.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);
jLabel37.setText("Month");

jLabel38.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N
jLabel38.setForeground(new java.awt.Color(255, 102, 0));
jLabel38.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);
jLabel38.setText("Year");

```

```

    javax.swing.GroupLayout jPanel5Layout = new
javax.swing.GroupLayout(jPanel5);

    jPanel5.setLayout(jPanel5Layout);

    jPanel5Layout.setHorizontalGroup(

jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

    .addGroup(jPanel5Layout.createSequentialGroup()

        .addGap(54, 54, 54)

            .addComponent(jLabel21, javax.swing.GroupLayout.PREFERRED_SIZE,
102, javax.swing.GroupLayout.PREFERRED_SIZE)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

        .addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

            .addComponent(jLabel23)

            .addComponent(jLabel20, javax.swing.GroupLayout.PREFERRED_SIZE,
284, javax.swing.GroupLayout.PREFERRED_SIZE)

            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

            .addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

                .addGroup(jPanel5Layout.createSequentialGroup()

                    .addGroup(jPanel5Layout.createSequentialGroup()

                        .addComponent(jLabel37, javax.swing.GroupLayout.PREFERRED_SIZE,
66, javax.swing.GroupLayout.PREFERRED_SIZE)

                        .addGap(131, 131, 131)

                        .addComponent(jLabel38, javax.swing.GroupLayout.PREFERRED_SIZE,
66, javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGap(131, 131, 131))
                .addGroup(jPanel5Layout.createSequentialGroup()

```



```
.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
.addGroup(jPanel5Layout.createSequentialGroup())
```

```
.addComponent(SelMonth2,  
javax.swing.GroupLayout.PREFERRED_SIZE, 185,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
```

```
.addComponent(SelYear2,  
javax.swing.GroupLayout.PREFERRED_SIZE, 109,  
javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,  
jPanel5Layout.createSequentialGroup())
```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 26,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
.addComponent(GenBtn2,  
javax.swing.GroupLayout.PREFERRED_SIZE, 255,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
.addGap(25, 25, 25)))
```

```
.addGap(157, 157, 157))
```

```
.addGroup(jPanel5Layout.createSequentialGroup())
```

```
.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
.addGroup(jPanel5Layout.createSequentialGroup())
```

```
.addGap(27, 27, 27)
```

```
.addComponent(jScrollPane6,  
javax.swing.GroupLayout.PREFERRED_SIZE, 1036,  
javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
.addGroup(jPanel5Layout.createSequentialGroup())
```

```
.addGap(465, 465, 465)
```

```

        .addComponent(PrintBtn2, javax.swing.GroupLayout.PREFERRED_SIZE,
145, javax.swing.GroupLayout.PREFERRED_SIZE)))

        .addGap(0, 42, Short.MAX_VALUE)

    );

    JPanel5Layout.setVerticalGroup(

JPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(JPanel5Layout.createSequentialGroup())

            .addGap(35, 35, 35)

        .addGroup(JPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BA
SELINE)

            .addComponent(jLabel37)

            .addComponent(jLabel38, javax.swing.GroupLayout.PREFERRED_SIZE,
37, javax.swing.GroupLayout.PREFERRED_SIZE))

            .addGap(0, 0, 0)

        .addGroup(JPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LE
ADING)

            .addGroup(JPanel5Layout.createSequentialGroup())

        .addGroup(JPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LE
ADING, false)

            .addComponent(SelYear2,
javax.swing.GroupLayout.DEFAULT_SIZE, 44, Short.MAX_VALUE)

            .addComponent(SelMonth2,
javax.swing.GroupLayout.PREFERRED_SIZE, 42,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

            .addComponent(GenBtn2, javax.swing.GroupLayout.PREFERRED_SIZE,
46, javax.swing.GroupLayout.PREFERRED_SIZE)

```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 54,  
Short.MAX_VALUE)
```

```
        .addComponent(jScrollPane6,  
javax.swing.GroupLayout.PREFERRED_SIZE, 418,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
        .addGap(18, 18, 18)
```

```
        .addComponent(PrintBtn2, javax.swing.GroupLayout.PREFERRED_SIZE,  
47, javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
        .addGap(58, 58, 58))
```

```
        .addGroup(jPanel5Layout.createSequentialGroup())
```

```
.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TR  
AILING)
```

```
        .addGroup(javax.swing.GroupLayout.Alignment.LEADING,  
jPanel5Layout.createSequentialGroup())
```

```
        .addComponent(jLabel23)
```

```
        .addGap(0, 0, 0)
```

```
        .addComponent(jLabel20,  
javax.swing.GroupLayout.PREFERRED_SIZE, 37,  
javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
        .addComponent(jLabel21,  
javax.swing.GroupLayout.Alignment.LEADING,  
javax.swing.GroupLayout.PREFERRED_SIZE, 79,  
javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,  
Short.MAX_VALUE))))
```

```
);
```

```
InterfacePane.addTab("tab4", jPanel5);
```

```
jPanel10.setBackground(new java.awt.Color(255, 255, 255));
```

```
jPanel10.setPreferredSize(new java.awt.Dimension(1105, 747));  
jPanel10.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());  
  
FILCAT.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N  
FILCAT.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));  
jPanel10.add(FILCAT, new org.netbeans.lib.awtextra.AbsoluteConstraints(620,  
100, 320, 31));  
  
jLabel50.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N  
jLabel50.setForeground(new java.awt.Color(255, 102, 0));  
jLabel50.setText("Filter products by");  
jPanel10.add(jLabel50, new org.netbeans.lib.awtextra.AbsoluteConstraints(450,  
100, 159, 30));  
  
jLabel22.setFont(new java.awt.Font("Century Gothic", 1, 36)); // NOI18N  
jLabel22.setForeground(new java.awt.Color(255, 102, 0));  
jLabel22.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);  
jLabel22.setText("PRODUCT LIST");  
jPanel10.add(jLabel22, new org.netbeans.lib.awtextra.AbsoluteConstraints(629,  
50, -1, -1));  
  
SortBtn.setBackground(new java.awt.Color(255, 102, 0));  
SortBtn.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N  
SortBtn.setForeground(new java.awt.Color(240, 240, 240));  
SortBtn.setText("SORT");  
SortBtn.setBorder(null);
```

```
SortBtn.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));

SortBtn.addMouseListener(new java.awt.event.MouseAdapter() {

    public void mouseClicked(java.awt.event.MouseEvent evt) {

        SortBtnMouseClicked(evt);

    }

});

jPanel10.add(SortBtn, new org.netbeans.lib.awtextra.AbsoluteConstraints(960,
100, 85, 32));
```

```
jScrollPane9.setCursor(new
java.awt.Cursor(java.awt.Cursor.DEFAULT_CURSOR));

jScrollPane9.setEnabled(false);

jScrollPane9.setFont(new java.awt.Font("Century Gothic", 0, 13)); // NOI18N
```

```
ProDisTbl.setFont(new java.awt.Font("Century Gothic", 0, 18)); // NOI18N

ProDisTbl.setCursor(new
java.awt.Cursor(java.awt.Cursor.DEFAULT_CURSOR));

ProDisTbl.setInterCellSpacing(new java.awt.Dimension(0, 0));

ProDisTbl.setRowHeight(25);

ProDisTbl.setSelectionBackground(new java.awt.Color(225, 102, 0));

ProDisTbl.addMouseListener(new java.awt.event.MouseAdapter() {

    public void mouseClicked(java.awt.event.MouseEvent evt) {

        ProDisTblMouseClicked(evt);

    }

});

jScrollPane9.setViewportViewView(ProDisTbl);
```

```
jPanel10.add(jScrollPane9, new  
org.netbeans.lib.awtextra.AbsoluteConstraints(435, 147, 641, 240));
```

```
jLabel51.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N  
jLabel51.setForeground(new java.awt.Color(255, 102, 0));  
jLabel51.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);  
jLabel51.setText("Summary of Dispatched Products");  
jPanel10.add(jLabel51, new org.netbeans.lib.awtextra.AbsoluteConstraints(570,  
400, -1, -1));
```

```
ListDis.setColumns(20);  
ListDis.setFont(new java.awt.Font("Century Gothic", 1, 14)); // NOI18N  
ListDis.setForeground(new java.awt.Color(255, 102, 0));  
ListDis.setRows(5);  
jScrollPane10.setViewportView(ListDis);
```

```
jPanel10.add(jScrollPane10, new  
org.netbeans.lib.awtextra.AbsoluteConstraints(440, 440, 641, 220));
```

```
TotPr.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N  
TotPr.setForeground(new java.awt.Color(255, 102, 0));  
TotPr.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);  
TotPr.setText("Total: ");  
jPanel10.add(TotPr, new org.netbeans.lib.awtextra.AbsoluteConstraints(450,  
670, 620, -1));
```

```
ClearBtn4.setBackground(new java.awt.Color(255, 102, 0));
ClearBtn4.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N
ClearBtn4.setForeground(new java.awt.Color(240, 240, 240));
ClearBtn4.setText("CLEAR");
ClearBtn4.setBorder(null);
ClearBtn4.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
ClearBtn4.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        ClearBtn4MouseClicked(evt);
    }
});
jPanel10.add(ClearBtn4, new org.netbeans.lib.awtextra.AbsoluteConstraints(234,
511, 145, 47));
```

```
Add2Btn.setBackground(new java.awt.Color(255, 102, 0));
Add2Btn.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N
Add2Btn.setForeground(new java.awt.Color(240, 240, 240));
Add2Btn.setText("ADD");
Add2Btn.setBorder(null);
Add2Btn.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
Add2Btn.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        Add2BtnMouseClicked(evt);
    }
});
```

```
jPanel10.add(Add2Btn, new org.netbeans.lib.awtextra.AbsoluteConstraints(58, 511, 145, 47));
```

```
PRODQTY2.setFont(new java.awt.Font("Century Gothic", 0, 18)); // NOI18N
```

```
jPanel10.add(PRODQTY2, new  
org.netbeans.lib.awtextra.AbsoluteConstraints(170, 370, 230, 40));
```

```
jLabel52.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```

```
jLabel52.setForeground(new java.awt.Color(255, 102, 0));
```

```
jLabel52.setText("Quantity");
```

```
jPanel10.add(jLabel52, new org.netbeans.lib.awtextra.AbsoluteConstraints(40, 370, 119, -1));
```

```
PROCAT2.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```

```
PROCAT2.setForeground(new java.awt.Color(102, 0, 0));
```

```
PROCAT2.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);
```

```
PROCAT2.setText("_____");
```

```
jPanel10.add(PROCAT2, new  
org.netbeans.lib.awtextra.AbsoluteConstraints(170, 301, 230, 40));
```

```
jLabel53.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```

```
jLabel53.setForeground(new java.awt.Color(255, 102, 0));
```

```
jLabel53.setText("Category");
```

```
jPanel10.add(jLabel53, new org.netbeans.lib.awtextra.AbsoluteConstraints(40, 301, 119, 30));
```

```
PRODPRICE2.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```



```
PRODPRICE2.setForeground(new java.awt.Color(102, 0, 0));

PRODPRICE2.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);

PRODPRICE2.setText("_____");

jPanel10.add(PRODPRICE2, new
org.netbeans.lib.awtextra.AbsoluteConstraints(170, 260, 230, -1));


jLabel54.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
jLabel54.setForeground(new java.awt.Color(255, 102, 0));
jLabel54.setText("Price");

jPanel10.add(jLabel54, new org.netbeans.lib.awtextra.AbsoluteConstraints(40,
251, 119, 40));


PRODNAME2.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
PRODNAME2.setForeground(new java.awt.Color(102, 0, 0));
PRODNAME2.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);
PRODNAME2.setText("_____");

jPanel10.add(PRODNAME2, new
org.netbeans.lib.awtextra.AbsoluteConstraints(170, 210, 230, -1));


jLabel55.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
jLabel55.setForeground(new java.awt.Color(255, 102, 0));
jLabel55.setText("Product");

jPanel10.add(jLabel55, new org.netbeans.lib.awtextra.AbsoluteConstraints(40,
210, 111, -1));


PRODID2.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
PRODID2.setForeground(new java.awt.Color(102, 0, 0));
```

```

PRODID2.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);

PRODID2.setText("_____");

jPanel10.add(PRODID2, new org.netbeans.lib.awtextra.AbsoluteConstraints(170,
160, 230, 40));

jLabel56.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
jLabel56.setForeground(new java.awt.Color(255, 102, 0));
jLabel56.setText("Product ID");

jPanel10.add(jLabel56, new org.netbeans.lib.awtextra.AbsoluteConstraints(40,
160, -1, 42));

jLabel57.setFont(new java.awt.Font("Century Gothic", 1, 36)); // NOI18N
jLabel57.setForeground(new java.awt.Color(255, 102, 0));
jLabel57.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel57.setText("Products");

jPanel10.add(jLabel57, new org.netbeans.lib.awtextra.AbsoluteConstraints(117,
90, 284, 37));

jLabel58.setFont(new java.awt.Font("Century Gothic", 1, 36)); // NOI18N
jLabel58.setForeground(new java.awt.Color(255, 102, 0));
jLabel58.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel58.setIcon(new javax.swing.ImageIcon("F:\\CaseStudy\\cart32.png")); //
NOI18N

jPanel10.add(jLabel58, new org.netbeans.lib.awtextra.AbsoluteConstraints(77,
50, 102, 79));

jLabel59.setFont(new java.awt.Font("Century Gothic", 1, 36)); // NOI18N

```

```

jLabel59.setForeground(new java.awt.Color(255, 102, 0));

jLabel59.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel59.setText("Dispatch");

jPanel10.add(jLabel59, new org.netbeans.lib.awtextra.AbsoluteConstraints(117,
50, 284, -1));

InterfacePane.addTab("tab5", jPanel10);

jPanel1.add(InterfacePane, new
org.netbeans.lib.awtextra.AbsoluteConstraints(182, -33, 1110, 800));

SelTab.setBackground(new java.awt.Color(255, 255, 153));

jPanel6.setBackground(new java.awt.Color(255, 255, 153));

jPanel6.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

ProInvBtn.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
ProInvBtn.setForeground(new java.awt.Color(255, 102, 0));
ProInvBtn.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

ProInvBtn.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/INVa.png"))); //
NOI18N

ProInvBtn.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));

ProInvBtn.addMouseListener(new java.awt.event.MouseAdapter() {

    public void mouseClicked(java.awt.event.MouseEvent evt) {

        ProInvBtnMouseClicked(evt);

    }

}

```

```

});

jPanel6.add(ProInvBtn, new org.netbeans.lib.awtextra.AbsoluteConstraints(12,
355, -1, -1));

MngAcctBtn.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
MngAcctBtn.setForeground(new java.awt.Color(255, 102, 0));
MngAcctBtn.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
MngAcctBtn.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/MANAGEb.png"
))); // NOI18N

MngAcctBtn.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
MngAcctBtn.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        MngAcctBtnMouseClicked(evt);
    }
});

jPanel6.add(MngAcctBtn, new org.netbeans.lib.awtextra.AbsoluteConstraints(12,
233, -1, -1));

MngCatBtn.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
MngCatBtn.setForeground(new java.awt.Color(255, 102, 0));
MngCatBtn.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
MngCatBtn.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/CATEGb.png")))
; // NOI18N

MngCatBtn.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
MngCatBtn.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {

```

```

        MngCatBtnMouseClicked(evt);

    }

    });

    JPanel6.add(MngCatBtn, new org.netbeans.lib.awtextra.AbsoluteConstraints(12,
294, -1, -1));

    DisBtn.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
    DisBtn.setForeground(new java.awt.Color(255, 102, 0));
    DisBtn.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
    DisBtn.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/DISPb.png"))); //
NOI18N
    DisBtn.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
    DisBtn.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            DisBtnMouseClicked(evt);
        }
    });

    JPanel6.add(DisBtn, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 470,
-1, -1));

    JLabel5.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
    JLabel5.setForeground(new java.awt.Color(255, 102, 0));
    JLabel5.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/ACDC LOGO
ic.png"))); // NOI18N
    JLabel5.setToolTipText("");

```

```
jPanel6.add(jLabel5, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 80, -1, 98));
```

```
LOutBtn.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```

```
LOutBtn.setForeground(new java.awt.Color(255, 102, 0));
```

```
LOutBtn.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
```

```
LOutBtn.setIcon(new  
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/LOGOUT.png"))  
; // NOI18N
```

```
LOutBtn.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
```

```
LOutBtn.addMouseListener(new java.awt.event.MouseAdapter() {
```

```
public void mouseClicked(java.awt.event.MouseEvent evt) {
```

```
    LOutBtnMouseClicked(evt);
```

```
}
```

```
});
```

```
jPanel6.add(LOutBtn, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 580, -1, 50));
```

```
SRBtn2.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```

```
SRBtn2.setForeground(new java.awt.Color(255, 102, 0));
```

```
SRBtn2.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
```

```
SRBtn2.setIcon(new  
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/RepB.png"))); // NOI18N
```

```
SRBtn2.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
```

```
SRBtn2.addMouseListener(new java.awt.event.MouseAdapter() {
```

```
public void mouseClicked(java.awt.event.MouseEvent evt) {
```

```
    SRBtn2MouseClicked(evt);
```

```

    }

    });

    JPanel6.add(SRBtn2, new org.netbeans.lib.awtextra.AbsoluteConstraints(12,
416, -1, -1));

    SelTab.addTab("1", JPanel6);

    JPanel8.setBackground(new java.awt.Color(255, 255, 153));
    JPanel8.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

    ProInvBtn1.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
    ProInvBtn1.setForeground(new java.awt.Color(255, 102, 0));
    ProInvBtn1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
    ProInvBtn1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/INVb.png"))); //
NOI18N

    ProInvBtn1.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
    ProInvBtn1.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        ProInvBtn1MouseClicked(evt);
    }
    });

    JPanel8.add(ProInvBtn1, new org.netbeans.lib.awtextra.AbsoluteConstraints(12,
355, -1, -1));

    MngAcctBtn1.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
    MngAcctBtn1.setForeground(new java.awt.Color(255, 102, 0));

```

```

MngAcctBtn1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

MngAcctBtn1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/MANAGEa.png"
))); // NOI18N

MngAcctBtn1.setCursor(new
java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));

MngAcctBtn1.addMouseListener(new java.awt.event.MouseAdapter() {

    public void mouseClicked(java.awt.event.MouseEvent evt) {

        MngAcctBtn1MouseClicked(evt);

    }

});

jPanel8.add(MngAcctBtn1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(12, 233, -1, -1));


MngCatBtn1.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
MngCatBtn1.setForeground(new java.awt.Color(255, 102, 0));

MngCatBtn1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

MngCatBtn1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/CATEGb.png")))
; // NOI18N

MngCatBtn1.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));

MngCatBtn1.addMouseListener(new java.awt.event.MouseAdapter() {

    public void mouseClicked(java.awt.event.MouseEvent evt) {

        MngCatBtn1MouseClicked(evt);

    }

});

jPanel8.add(MngCatBtn1, new org.netbeans.lib.awtextra.AbsoluteConstraints(12,
294, -1, -1));

```



```

SRBtn1.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
SRBtn1.setForeground(new java.awt.Color(255, 102, 0));
SRBtn1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
SRBtn1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/RepB.png"))); //
NOI18N
SRBtn1.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
SRBtn1.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        SRBtn1MouseClicked(evt);
    }
});
jPanel8.add(SRBtn1, new org.netbeans.lib.awtextra.AbsoluteConstraints(12,
416, -1, -1));

```

```

jLabel24.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
jLabel24.setForeground(new java.awt.Color(255, 102, 0));
jLabel24.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/ACDC LOGO
ic.png"))); // NOI18N
jLabel24.setToolTipText("");
jPanel8.add(jLabel24, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 80,
-1, 98));

```

```

LOutBtn1.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
LOutBtn1.setForeground(new java.awt.Color(255, 102, 0));
LOutBtn1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

```

```
LOutBtn1.setIcon(new  
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/LOGOUT.png")))  
; // NOI18N
```

```
LOutBtn1.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
```

```
LOutBtn1.addMouseListener(new java.awt.event.MouseAdapter() {
```

```
public void mouseClicked(java.awt.event.MouseEvent evt) {
```

```
LOutBtn1MouseClicked(evt);
```

```
}
```

```
});
```

```
jPanel8.add(LOutBtn1, new org.netbeans.lib.awtextra.AbsoluteConstraints(10,  
580, -1, 50));
```

```
DisBtn2.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```

```
DisBtn2.setForeground(new java.awt.Color(255, 102, 0));
```

```
DisBtn2.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
```

```
DisBtn2.setIcon(new  
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/DISPb.png"))); //  
NOI18N
```

```
DisBtn2.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
```

```
DisBtn2.addMouseListener(new java.awt.event.MouseAdapter() {
```

```
public void mouseClicked(java.awt.event.MouseEvent evt) {
```

```
DisBtn2MouseClicked(evt);
```

```
}
```

```
});
```

```
jPanel8.add(DisBtn2, new org.netbeans.lib.awtextra.AbsoluteConstraints(10,  
470, -1, -1));
```

```
SeITab.addTab("2", jPanel8);
```

```

jPanel13.setBackground(new java.awt.Color(255, 255, 153));

jPanel13.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());


ProInvBtn4.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
ProInvBtn4.setForeground(new java.awt.Color(255, 102, 0));
ProInvBtn4.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

ProInvBtn4.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/INVb.png"))); //
NOI18N

ProInvBtn4.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
ProInvBtn4.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        ProInvBtn4MouseClicked(evt);
    }
});

jPanel13.add(ProInvBtn4, new org.netbeans.lib.awtextra.AbsoluteConstraints(12,
355, -1, -1));


MngAcctBtn4.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
MngAcctBtn4.setForeground(new java.awt.Color(255, 102, 0));
MngAcctBtn4.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

MngAcctBtn4.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/MANAGEb.png"
))); // NOI18N

MngAcctBtn4.setCursor(new
java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));

MngAcctBtn4.addMouseListener(new java.awt.event.MouseAdapter() {

```

```

    public void mouseClicked(java.awt.event.MouseEvent evt) {

        MngAcctBtn4MouseClicked(evt);

    }

});

jPanel13.add(MngAcctBtn4, new
org.netbeans.lib.awtextra.AbsoluteConstraints(12, 233, -1, -1));


MngCatBtn4.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
MngCatBtn4.setForeground(new java.awt.Color(255, 102, 0));
MngCatBtn4.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
MngCatBtn4.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/CATEGa.png")))
; // NOI18N

MngCatBtn4.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
MngCatBtn4.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {

        MngCatBtn4MouseClicked(evt);

    }

});

jPanel13.add(MngCatBtn4, new
org.netbeans.lib.awtextra.AbsoluteConstraints(12, 294, -1, -1));


SRBtn4.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
SRBtn4.setForeground(new java.awt.Color(255, 102, 0));
SRBtn4.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
SRBtn4.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/RepB.png"))); //
NOI18N

```

```

SRBtn4.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));

SRBtn4.addMouseListener(new java.awt.event.MouseAdapter() {

    public void mouseClicked(java.awt.event.MouseEvent evt) {

        SRBtn4MouseClicked(evt);

    }

});

jPanel13.add(SRBtn4, new org.netbeans.lib.awtextra.AbsoluteConstraints(12,
416, -1, -1));

jLabel27.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N

jLabel27.setForeground(new java.awt.Color(255, 102, 0));

jLabel27.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/ACDC LOGO
ic.png"))); // NOI18N

jLabel27.setToolTipText("");

jPanel13.add(jLabel27, new org.netbeans.lib.awtextra.AbsoluteConstraints(20,
80, -1, 98));

LOutBtn4.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N

LOutBtn4.setForeground(new java.awt.Color(255, 102, 0));

LOutBtn4.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

LOutBtn4.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/LOGOUT.png")))
; // NOI18N

LOutBtn4.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));

LOutBtn4.addMouseListener(new java.awt.event.MouseAdapter() {

    public void mouseClicked(java.awt.event.MouseEvent evt) {

        LOutBtn4MouseClicked(evt);

```

```

    }

    });

    JPanel13.add(LOutBtn4, new org.netbeans.lib.awtextra.AbsoluteConstraints(10,
580, -1, 50));

    DisBtn3.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
    DisBtn3.setForeground(new java.awt.Color(255, 102, 0));
    DisBtn3.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
    DisBtn3.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/DISPb.png"))); //
NOI18N
    DisBtn3.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
    DisBtn3.addMouseListener(new java.awt.event.MouseAdapter() {
        public void mouseClicked(java.awt.event.MouseEvent evt) {
            DisBtn3MouseClicked(evt);
        }
    });

    JPanel13.add(DisBtn3, new org.netbeans.lib.awtextra.AbsoluteConstraints(10,
470, -1, -1));

    SelTab.addTab("3", JPanel13);

    JPanel14.setBackground(new java.awt.Color(255, 255, 153));
    JPanel14.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

    ProInvBtn5.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
    ProInvBtn5.setForeground(new java.awt.Color(255, 102, 0));

```

```

        ProInvBtn5.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

        ProInvBtn5.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/INVb.png"))); //
NOI18N

        ProInvBtn5.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));

        ProInvBtn5.addMouseListener(new java.awt.event.MouseAdapter() {

            public void mouseClicked(java.awt.event.MouseEvent evt) {

                ProInvBtn5MouseClicked(evt);

            }

        });

        jPanel14.add(ProInvBtn5, new org.netbeans.lib.awtextra.AbsoluteConstraints(12,
355, -1, -1));

        MngAcctBtn5.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N

        MngAcctBtn5.setForeground(new java.awt.Color(255, 102, 0));

        MngAcctBtn5.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

        MngAcctBtn5.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/MANAGEb.png"
))); // NOI18N

        MngAcctBtn5.setCursor(new
java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));

        MngAcctBtn5.addMouseListener(new java.awt.event.MouseAdapter() {

            public void mouseClicked(java.awt.event.MouseEvent evt) {

                MngAcctBtn5MouseClicked(evt);

            }

        });

        jPanel14.add(MngAcctBtn5, new
org.netbeans.lib.awtextra.AbsoluteConstraints(12, 233, -1, -1));

```

```

MngCatBtn5.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
MngCatBtn5.setForeground(new java.awt.Color(255, 102, 0));
MngCatBtn5.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
MngCatBtn5.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/CATEGb.png")))
; // NOI18N

MngCatBtn5.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
MngCatBtn5.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        MngCatBtn5MouseClicked(evt);
    }
});

jPanel14.add(MngCatBtn5, new
org.netbeans.lib.awtextra.AbsoluteConstraints(12, 294, -1, -1));

```

```

SRBtn5.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
SRBtn5.setForeground(new java.awt.Color(255, 102, 0));
SRBtn5.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
SRBtn5.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/RepA.png"))); //
NOI18N

SRBtn5.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
SRBtn5.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        SRBtn5MouseClicked(evt);
    }
}

```



```

});

jPanel14.add(SRBtn5, new org.netbeans.lib.awtextra.AbsoluteConstraints(12,
416, -1, -1));

jLabel28.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
jLabel28.setForeground(new java.awt.Color(255, 102, 0));

jLabel28.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/ACDC LOGO
ic.png"))); // NOI18N

jLabel28.setToolTipText("");

jPanel14.add(jLabel28, new org.netbeans.lib.awtextra.AbsoluteConstraints(20,
80, -1, 98));

LOutBtn5.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
LOutBtn5.setForeground(new java.awt.Color(255, 102, 0));
LOutBtn5.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

LOutBtn5.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/LOGOUT.png")))
; // NOI18N

LOutBtn5.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));

LOutBtn5.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        LOutBtn5MouseClicked(evt);
    }
});

jPanel14.add(LOutBtn5, new org.netbeans.lib.awtextra.AbsoluteConstraints(10,
580, -1, 50));

```

```
DisBtn4.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
DisBtn4.setForeground(new java.awt.Color(255, 102, 0));
DisBtn4.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
DisBtn4.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/DISPb.png"))); //
NOI18N

DisBtn4.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
DisBtn4.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        DisBtn4MouseClicked(evt);
    }
});

jPanel14.add(DisBtn4, new org.netbeans.lib.awtextra.AbsoluteConstraints(10,
470, -1, -1));
```

```
SelTab.addTab("4", jPanel14);
```

```
jPanel15.setBackground(new java.awt.Color(255, 255, 153));
jPanel15.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
```

```
ProInvBtn6.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
ProInvBtn6.setForeground(new java.awt.Color(255, 102, 0));
ProInvBtn6.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
ProInvBtn6.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/INVb.png"))); //
NOI18N

ProInvBtn6.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
```

```

ProInvBtn6.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        ProInvBtn6MouseClicked(evt);
    }
});

jPanel15.add(ProInvBtn6, new org.netbeans.lib.awtextra.AbsoluteConstraints(12,
355, -1, -1));

```

```

MngAcctBtn6.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
MngAcctBtn6.setForeground(new java.awt.Color(255, 102, 0));
MngAcctBtn6.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
MngAcctBtn6.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/MANAGEb.png"
))); // NOI18N
MngAcctBtn6.setCursor(new
java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
MngAcctBtn6.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        MngAcctBtn6MouseClicked(evt);
    }
});

jPanel15.add(MngAcctBtn6, new
org.netbeans.lib.awtextra.AbsoluteConstraints(12, 233, -1, -1));

```

```

MngCatBtn6.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
MngCatBtn6.setForeground(new java.awt.Color(255, 102, 0));
MngCatBtn6.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

```

```
MngCatBtn6.setIcon(new  
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/CATEGb.png")))  
; // NOI18N
```

```
MngCatBtn6.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
```

```
MngCatBtn6.addMouseListener(new java.awt.event.MouseAdapter() {
```

```
public void mouseClicked(java.awt.event.MouseEvent evt) {
```

```
    MngCatBtn6MouseClicked(evt);
```

```
}
```

```
});
```

```
jPanel15.add(MngCatBtn6, new  
org.netbeans.lib.awtextra.AbsoluteConstraints(12, 294, -1, -1));
```

```
SRBtn6.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```

```
SRBtn6.setForeground(new java.awt.Color(255, 102, 0));
```

```
SRBtn6.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
```

```
SRBtn6.setIcon(new  
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/RepB.png"))); // NOI18N
```

```
SRBtn6.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
```

```
SRBtn6.addMouseListener(new java.awt.event.MouseAdapter() {
```

```
public void mouseClicked(java.awt.event.MouseEvent evt) {
```

```
    SRBtn6MouseClicked(evt);
```

```
}
```

```
});
```

```
jPanel15.add(SRBtn6, new org.netbeans.lib.awtextra.AbsoluteConstraints(12,  
416, -1, -1));
```

```
jLabel49.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```

```

jLabel49.setForeground(new java.awt.Color(255, 102, 0));

jLabel49.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/ACDC LOGO
ic.png"))); // NOI18N

jLabel49.setToolTipText("");

jPanel15.add(jLabel49, new org.netbeans.lib.awtextra.AbsoluteConstraints(20,
80, -1, 98));

```

```

LOutBtn6.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N

LOutBtn6.setForeground(new java.awt.Color(255, 102, 0));

LOutBtn6.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

LOutBtn6.setIcon(new
javax.swing.ImageIcon("F:\\CaseStudy\\Buttons\\LOGOUT.png")); // NOI18N

LOutBtn6.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));

LOutBtn6.addMouseListener(new java.awt.event.MouseAdapter() {

    public void mouseClicked(java.awt.event.MouseEvent evt) {

        LOutBtn6MouseClicked(evt);

    }

});

jPanel15.add(LOutBtn6, new org.netbeans.lib.awtextra.AbsoluteConstraints(10,
580, -1, 50));

```

```

DisBtn1.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N

DisBtn1.setForeground(new java.awt.Color(255, 102, 0));

DisBtn1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

DisBtn1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/DISPa.png"))); //
NOI18N

```

```

        DisBtn1.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));

        DisBtn1.addMouseListener(new java.awt.event.MouseAdapter() {

            public void mouseClicked(java.awt.event.MouseEvent evt) {

                DisBtn1MouseClicked(evt);

            }

        });

        jPanel15.add(DisBtn1, new org.netbeans.lib.awtextra.AbsoluteConstraints(10,
470, -1, -1));

        SelTab.addTab("4", jPanel15);

        jPanel1.add(SelTab, new org.netbeans.lib.awtextra.AbsoluteConstraints(-10, -30,
200, 790));

        getContentPane().add(jPanel1, new
org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 1282, 747));

        pack();

        setLocationRelativeTo(null);

    } // </editor-fold>

```

```

private void AddBtnMouseClicked(java.awt.event.MouseEvent evt) {

    // TODO add your handling code here:

    String Que= "select*from User1.PROINVTBL where
PRODID="+PRODID.getText();

```

```

    try {
        Con =
DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");

        St = Con.createStatement();

        Rs = St.executeQuery(Que);

        if(Rs.next()){

            JOptionPane.showMessageDialog (this, "Product ID already exists!");

        }

        else{

            if
(PRODID.getText().isEmpty()||PRODNAME.getText().isEmpty()||PRODQTY.getText().is
Empty()||PRODPRICE.getText().isEmpty())

            {

                JOptionPane.showMessageDialog (this, "Please complete product
details!");

            }

            else{

                try {

                    Con =
DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");

                    PreparedStatement add = Con.prepareStatement("insert into PROINVTBL
values(?,?,?, ?,?)");

                    add.setInt(1, Integer.valueOf(PRODID.getText()));

                    add.setString(2, PRODNAME.getText());

                    add.setInt(3, Integer.valueOf(PRODQTY.getText()));

                    add.setDouble(4, Double.valueOf(PRODPRICE.getText()));

                    add.setString(5, PROCAT.getSelectedItem().toString());

                    int row = add.executeUpdate ();

```

```

        JOptionPane.showMessageDialog (this, "Product Added Successfully");
        Con.close();
        SelectProdInv();
    } catch (Exception e) {
        e.printStackTrace();
    }
}

    }

}

catch(Exception e)

{

        e.printStackTrace();

}

}

```

```

private void EditBtnMouseClicked(java.awt.event.MouseEvent evt) {

if(PRODID.getText().isEmpty()||PRODNAME.getText().isEmpty()||PRODQTY.getText().is
Empty()||PRODPRICE.getText().isEmpty())

{

        JOptionPane.showMessageDialog(this, "Update for Product Information is
Missing");

}

else{

try{

```



```

        Con =
DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");

        String Query = "Update User1.PROINVTBL set PRODNAME=
"+PRODNAME.getText()+"", PRODQTY="+PRODQTY.getText()+", PRODPRICE=
"+PRODPRICE.getText()+", PRODCAT=
"+PROCAT.getSelectedItem().toString()+"where PRODID="+PRODID.getText();

        Statement Add = Con.createStatement();

        Add.executeUpdate(Query);

        SelectProdInv();

        JOptionPane.showMessageDialog(this, "Product Information has been
updated");

    } catch (SQLException e)
    {

        e.printStackTrace();

    }

}

}

}

private void RemoveBtnMouseClicked(java.awt.event.MouseEvent evt) {

    if(PRODID.getText().isEmpty())

    {

        JOptionPane.showMessageDialog (this, "Select the product that will be
removed");

    }

    else{

        try{

            Con =
DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");

```

```

        String ProID = PRODID.getText();

        String Query = "Delete from User1.PROOINVTBL where PRODID="+ProID;

        Statement Add = Con.createStatement();

        Add.executeUpdate(Query);

        SelectProdInv();

        JOptionPane.showMessageDialog(this, "The selected product has been
removed");
    } catch (Exception e)
    {
        e.printStackTrace();
    }
}
}
}

```

```

private void ClearBtnMouseClicked(java.awt.event.MouseEvent evt) {

```

```

    PRODID.setText("");
    PRODNAME.setText("");
    PRODQTY.setText("");
    PRODPRICE.setText("");
}

```

```

private void ProInvTblMouseClicked(java.awt.event.MouseEvent evt) {

```

```

    DefaultTableModel model = (DefaultTableModel)ProInvTbl.getModel();

    int Myindex = ProInvTbl.getSelectedRow();

```

```
PRODID.setText(model.getValueAt(Myindex, 0).toString());  
PRODNAME.setText(model.getValueAt(Myindex, 1).toString());  
PRODQTY.setText(model.getValueAt(Myindex, 2).toString());  
PRODPRICE.setText(model.getValueAt(Myindex, 3).toString());  
}
```

```
private void CloseButtonMouseClicked(java.awt.event.MouseEvent evt) {  
  
    new JExitForm().setVisible(true);  
}
```

```
private void ClearBtn1MouseClicked(java.awt.event.MouseEvent evt) {  
  
    ACCTID.setText("");  
    ACCTUNAME.setText("");  
    ACCTPASS.setText("");  
}
```

```
private void RemoveBtn1MouseClicked(java.awt.event.MouseEvent evt) {  
  
    if(ACCTID.getText().isEmpty())  
    {  
        JOptionPane.showMessageDialog (this, "Select the account that will be  
removed");  
    }  
    else{  
        try{
```

```

        Con =
DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");

        String AccID = ACCTID.getText();

        String Query = "Delete from User1.AMTBL where ACCTID="+AccID;

        Statement Add = Con.createStatement();

        Add.executeUpdate(Query);

        SelectAccountManagement();

        JOptionPane.showMessageDialog(this, "Account has been removed
successfully");
    } catch (Exception e)
    {

        e.printStackTrace();

    }

}

}

}

private void EditBtn1MouseClicked(java.awt.event.MouseEvent evt) {

if(ACCTID.getText().isEmpty()||ACCTUNAME.getText().isEmpty()||ACCTPASS.getText()
.isEmpty())

    {

        JOptionPane.showMessageDialog(this, "Update Information is Missing");

    }

    else{

        try{

            Con =
DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");

```

```

        String Query = "Update User1.AMTBL set ACCTUNAME=
        '"+ACCTUNAME.getText()+"'", ACCTPASS= '"+ACCTPASS.getText()+"'",
        ACCTROLE= '"+ACCTROLE.getSelectedItem().toString()+"'where
        ACCTID='"+ACCTID.getText();

        Statement Add = Con.createStatement();

        Add.executeUpdate(Query);

        SelectAccountManagement();

        JOptionPane.showMessageDialog(this, "Selected Account has been
        updated");

    } catch (SQLException e)

    {

        e.printStackTrace();

    }

}

}

}

private void AddBtn1MouseClicked(java.awt.event.MouseEvent evt) {

    // TODO add your handling code here:

    if
    (ACCTID.getText().isEmpty()||ACCTUNAME.getText().isEmpty()||ACCTPASS.getText().i
    sEmpty())

    {

        JOptionPane.showMessageDialog (this, "Please complete your information!");

    }

    else{

        try {

            Con =

            DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");

```

```

        PreparedStatement add = Con.prepareStatement("insert into AMTBL
values(?,?,?,?)");

        add.setInt(1, Integer.valueOf(ACCTID.getText()));

        add.setString(2, ACCTUNAME.getText());

        add.setString(3, ACCTPASS.getText());

        add.setString(4, ACCTROLE.getSelectedItemAt().toString());

        int row = add.executeUpdate ();

        JOptionPane.showMessageDialog (this, "Account Added Successfully");

        Con.close();

        SelectAccountManagement();
    } catch (Exception e) {

        e.printStackTrace();

    }

}

}

}

private void ACCTTBLMouseClicked(java.awt.event.MouseEvent evt) {

    DefaultTableModel model1 = (DefaultTableModel)ACCTTBL.getModel();

    int Myindex = ACCTTBL.getSelectedRow();

    ACCTID.setText(model1.getValueAt(Myindex, 0).toString());

    ACCTUNAME.setText(model1.getValueAt(Myindex, 1).toString());

    ACCTPASS.setText(model1.getValueAt(Myindex, 2).toString());

}

```

```

private void ClearBtn2MouseClicked(java.awt.event.MouseEvent evt) {

    CATID.setText("");
    CATNAME.setText("");
    CATDESC.setText("");
}

private void RemoveBtn2MouseClicked(java.awt.event.MouseEvent evt) {

    if(CATID.getText().isEmpty())
    {
        JOptionPane.showMessageDialog (this, "Select the category that will be
removed");
    }
    else{
        try{
            Con =
DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");

            String CateID = CATID.getText();

            String Query = "Delete from User1.CATEGORYTBL where
CATID="+CateID;

            Statement Add = Con.createStatement();

            Add.executeUpdate(Query);

            SelectCatList();

            JOptionPane.showMessageDialog(this, "Category has been removed
successfully");

        } catch (Exception e)
        {

```

```

        e.printStackTrace();
    }
}

private void EditBtn2MouseClicked(java.awt.event.MouseEvent evt) {

    if(CATID.getText().isEmpty()||CATNAME.getText().isEmpty())
    {
        JOptionPane.showMessageDialog(this, "Update Information of the Category is
Missing");
    }
    else{
        try{
            Con =
DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");

            String Query = "Update User1.CATEGORYTBL set CATNAME=
"+CATNAME.getText()+"\""+", CATDESC= "+CATDESC.getText()+"\""+"where
CATID="+CATID.getText();

            Statement Add = Con.createStatement();

            Add.executeUpdate(Query);

            SelectCatList();

            JOptionPane.showMessageDialog(this, "Selected Category has been
updated");
        } catch (SQLException e)
        {

            e.printStackTrace();

        }
    }
}

```



```
}  
}
```

```
private void Add_BtnMouseClicked(java.awt.event.MouseEvent evt) {  
  
    // TODO add your handling code here:  
  
    if  
(CATID.getText().isEmpty()||CATNAME.getText().isEmpty()||CATDESC.getText().isEmpty()  
y()  
  
    {  
  
        JOptionPane.showMessageDialog (this, "Please complete the information  
needed!");  
  
    }  
  
    else{  
  
        try {  
  
            Con =  
DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");  
  
            PreparedStatement add = Con.prepareStatement("insert into  
CATEGORYTBL values(?,?,?)");  
  
            add.setInt(1, Integer.valueOf(CATID.getText()));  
  
            add.setString(2, CATNAME.getText());  
  
            add.setString(3, CATDESC.getText());  
  
            int row = add.executeUpdate ();  
  
            JOptionPane.showMessageDialog (this, "New Category Added  
Successfully");  
  
            Con.close();  
  
            SelectCatList();  
  
        } catch (Exception e) {
```

```
        e.printStackTrace();  
    }  
    }  
    }
```

```
private void CATTBLMouseClicked(java.awt.event.MouseEvent evt) {
```

```
    DefaultTableModel model = (DefaultTableModel)CATTBL.getModel();  
    int Myindex = CATTBL.getSelectedRow();  
    CATID.setText(model.getValueAt(Myindex, 0).toString());  
    CATNAME.setText(model.getValueAt(Myindex, 1).toString());  
    CATDESC.setText(model.getValueAt(Myindex, 2).toString());  
}
```

```
private void LOutBtn1MouseClicked(java.awt.event.MouseEvent evt) {
```

```
    new LoginForm().setVisible(true);  
    this.dispose();  
}
```

```
private void SRBtn1MouseClicked(java.awt.event.MouseEvent evt) {
```

```
    InterfacePane.setSelectedIndex(3);  
    SelTab.setSelectedIndex(3);  
    SelectInvRep();  
    updatePROCombo();
```

```
updatePROCombo2();  
}
```

```
private void MngCatBtn1MouseClicked(java.awt.event.MouseEvent evt) {
```

```
InterfacePane.setSelectedIndex(2);
```

```
SelTab.setSelectedIndex(2);
```

```
updatePROCombo();
```

```
updatePROCombo2();
```

```
}
```

```
private void MngAcctBtn1MouseClicked(java.awt.event.MouseEvent evt) {
```

```
InterfacePane.setSelectedIndex(1);
```

```
SelTab.setSelectedIndex(1);
```

```
updatePROCombo();
```

```
updatePROCombo2();
```

```
}
```

```
private void ProInvBtn1MouseClicked(java.awt.event.MouseEvent evt) {
```

```
InterfacePane.setSelectedIndex(0);
```

```
SelTab.setSelectedIndex(0);
```

```
updatePROCombo();
```

```
updatePROCombo2();
```

```
}
```

```
private void LOutBtnMouseClicked(java.awt.event.MouseEvent evt) {  
  
new LoginForm().setVisible(true);  
  
this.dispose();  
  
}
```

```
private void DisBtnMouseClicked(java.awt.event.MouseEvent evt) {  
  
InterfacePane.setSelectedIndex(4);  
  
SelTab.setSelectedIndex(4);  
  
updatePROCombo();  
  
updatePROCombo2();  
  
}
```

```
private void MngCatBtnMouseClicked(java.awt.event.MouseEvent evt) {  
  
InterfacePane.setSelectedIndex(2);  
  
SelTab.setSelectedIndex(2);  
  
updatePROCombo();  
  
updatePROCombo2();  
  
}
```

```
private void MngAcctBtnMouseClicked(java.awt.event.MouseEvent evt) {  
  
InterfacePane.setSelectedIndex(1);  
  
SelTab.setSelectedIndex(1);
```

```
updatePROCombo();  
updatePROCombo2();  
}
```

```
private void ProInvBtnMouseClicked(java.awt.event.MouseEvent evt) {
```

```
InterfacePane.setSelectedIndex(0);  
SelTab.setSelectedIndex(0);  
updatePROCombo();  
updatePROCombo2();  
}
```

```
private void ProInvBtn4MouseClicked(java.awt.event.MouseEvent evt) {
```

```
InterfacePane.setSelectedIndex(0);  
SelTab.setSelectedIndex(0);  
updatePROCombo();  
updatePROCombo2();  
}
```

```
private void MngAcctBtn4MouseClicked(java.awt.event.MouseEvent evt) {
```

```
InterfacePane.setSelectedIndex(1);  
SelTab.setSelectedIndex(1);  
updatePROCombo();  
updatePROCombo2();
```

```
}
```

```
private void MngCatBtn4MouseClicked(java.awt.event.MouseEvent evt) {
```

```
InterfacePane.setSelectedIndex(2);
```

```
SelTab.setSelectedIndex(2);
```

```
updatePROCombo();
```

```
updatePROCombo2();
```

```
}
```

```
private void SRBtn4MouseClicked(java.awt.event.MouseEvent evt) {
```

```
InterfacePane.setSelectedIndex(3);
```

```
SelTab.setSelectedIndex(3);
```

```
SelectInvRep();
```

```
updatePROCombo2();
```

```
}
```

```
private void LOutBtn4MouseClicked(java.awt.event.MouseEvent evt) {
```

```
new LoginForm().setVisible(true);
```

```
this.dispose();
```

```
}
```

```
private void ProInvBtn5MouseClicked(java.awt.event.MouseEvent evt) {
```

```
InterfacePane.setSelectedIndex(0);
```

```
SelTab.setSelectedIndex(0);  
updatePROCombo();  
updatePROCombo2();  
}
```

```
private void MngAcctBtn5MouseClicked(java.awt.event.MouseEvent evt) {
```

```
InterfacePane.setSelectedIndex(1);  
SelTab.setSelectedIndex(1);  
updatePROCombo();  
updatePROCombo2();  
}
```

```
private void MngCatBtn5MouseClicked(java.awt.event.MouseEvent evt) {
```

```
InterfacePane.setSelectedIndex(2);  
SelTab.setSelectedIndex(2);  
updatePROCombo();  
updatePROCombo2();  
}
```

```
private void SRBtn5MouseClicked(java.awt.event.MouseEvent evt) {
```

```
InterfacePane.setSelectedIndex(3);  
SelTab.setSelectedIndex(3);  
updatePROCombo();
```

```
updatePROCombo2();  
}
```

```
private void LOutBtn5MouseClicked(java.awt.event.MouseEvent evt) {  
  
    new LoginForm().setVisible(true);  
    this.dispose();  
}
```

```
private void PrintBtn2MouseClicked(java.awt.event.MouseEvent evt) {  
  
    try{  
        PrintRequestAttributeSet set=new HashPrintRequestAttributeSet();  
        set.add(OrientationRequested.LANDSCAPE);  
  
        MessageFormat headerMF = new MessageFormat ("Inventory Report Summary  
for "+SelMonth2.getSelectedItem().toString()+" "+SelYear2.getText());  
  
        MessageFormat footerMF = new MessageFormat ("ACDC Parts Sales and  
Service Center");  
  
        InvSumm.print(JTable.PrintMode.FIT_WIDTH,headerMF,footerMF,false,set,false);  
    }  
  
    catch (Exception e){  
  
    }  
}
```

```
private void GenBtn2MouseClicked(java.awt.event.MouseEvent evt) {
```



```
int month = 0;

String TMonth = SelMonth2.getSelectedItem().toString();

int Year=Integer.valueOf(SelYear2.getText());

if(TMonth=="January"){

    month =1;

}

else if(TMonth=="February"){

    month =2;

}

else if (TMonth=="March"){

    month =3;

}

else if (TMonth=="April"){

    month =4;

}

else if (TMonth=="May"){

    month =5;

}

else if (TMonth=="June"){

    month =6;

}

if(TMonth=="July"){

    month =7;

}

else if(TMonth=="August"){
```

```
month =8;
}
else if (TMonth=="September"){
month =9;
}
else if (TMonth=="October"){
month =10;
}
else if (TMonth=="November"){
month =11;
}
else if (TMonth=="December"){
month =12;
}
if (SelYear2.getText().isEmpty()){
JOptionPane.showMessageDialog(this, "Please input a year!");
}
else if (Year > 2400){
JOptionPane.showMessageDialog(this, "Enter a valid year!");
}
else if (Year < 1990){
JOptionPane.showMessageDialog(this, "Enter a valid year!");
}
else {
try{
```

```

        Con =
DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");

        St = Con.createStatement();

        Rs = St.executeQuery("SELECT * FROM User1.INVREPTBL where
Month(PURDATE)="+month+" and YEAR(PURDATE)="+SelYear2.getText()+" ORDER
BY PURDATE");

        InvSumm.setModel(DbUtils.resultSetToTableModel(Rs));

    } catch (SQLException e)

    {

        e.printStackTrace();

    }

}

}

int i=0;

double UPrice, TotPrice, TotAmt;

int AvQty;

private void SRBtn2MouseClicked(java.awt.event.MouseEvent evt) {

InterfacePane.setSelectedIndex(3);

SelTab.setSelectedIndex(3);

SelectInvRep();

}

private void ProInvBtn6MouseClicked(java.awt.event.MouseEvent evt) {

InterfacePane.setSelectedIndex(0);

SelTab.setSelectedIndex(0);

```

```
ListDis.setText(" ");
```

```
TotPr.setText(" ");
```

```
i=0;
```

```
}
```

```
private void MngAcctBtn6MouseClicked(java.awt.event.MouseEvent evt) {
```

```
InterfacePane.setSelectedIndex(1);
```

```
SelTab.setSelectedIndex(1);
```

```
ListDis.setText(" ");
```

```
TotPr.setText(" ");
```

```
i=0;
```

```
}
```

```
private void MngCatBtn6MouseClicked(java.awt.event.MouseEvent evt) {
```

```
InterfacePane.setSelectedIndex(2);
```

```
SelTab.setSelectedIndex(2);
```

```
ListDis.setText(" ");
```

```
TotPr.setText(" ");
```

```
i=0;
```

```
}
```

```
private void SRBtn6MouseClicked(java.awt.event.MouseEvent evt) {
```

```
InterfacePane.setSelectedIndex(3);
```

```
SelTab.setSelectedIndex(3);  
ListDis.setText(" ");  
TotPr.setText(" ");  
SelectInvRep();  
i=0;  
}
```

```
private void LOutBtn6MouseClicked(java.awt.event.MouseEvent evt) {  
  
    new LoginForm().setVisible(true);  
    this.dispose();  
}
```

```
private void DisBtn2MouseClicked(java.awt.event.MouseEvent evt) {  
  
    InterfacePane.setSelectedIndex(4);  
    SelTab.setSelectedIndex(4);  
}
```

```
private void DisBtn3MouseClicked(java.awt.event.MouseEvent evt) {  
  
    InterfacePane.setSelectedIndex(4);  
    SelTab.setSelectedIndex(4);  
    updatePROCombo();  
    updatePROCombo2();  
}
```

```
private void DisBtn4MouseClicked(java.awt.event.MouseEvent evt) {
```

```
InterfacePane.setSelectedIndex(4);
```

```
SelTab.setSelectedIndex(4);
```

```
}
```

```
private void DisBtn1MouseClicked(java.awt.event.MouseEvent evt) {
```

```
InterfacePane.setSelectedIndex(4);
```

```
SelTab.setSelectedIndex(4);
```

```
}
```

```
private void SortBtnMouseClicked(java.awt.event.MouseEvent evt) {
```

```
try{
```

```
Con =
```

```
DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");
```

```
St = Con.createStatement();
```

```
Rs = St.executeQuery("Select * from User1.PROINVTBL where  
PRODCAT='"+FILCAT.getSelectedItem().toString()+"");
```

```
ProDisTbl.setModel(DbUtils.resultSetToTableModel(Rs));
```

```
} catch (SQLException e)
```

```
{
```

```
e.printStackTrace();
```

```
}
```

```
}
```

```
private void ProDisTblMouseClicked(java.awt.event.MouseEvent evt) {  
  
    DefaultTableModel model = (DefaultTableModel)ProDisTbl.getModel();  
    int Myindex = ProDisTbl.getSelectedRow();  
    PRODID2.setText(model.getValueAt(Myindex, 0).toString());  
    AvQty=Integer.valueOf(model.getValueAt(Myindex, 2).toString());  
    UPrice=Double.valueOf(model.getValueAt(Myindex, 3).toString());  
    PRODNAM2.setText(model.getValueAt(Myindex, 1).toString());  
    //PRODQTY.setText(model.getValueAt(Myindex, 2).toString());  
    PRODPRICE2.setText(model.getValueAt(Myindex, 3).toString());  
    PROCAT2.setText(model.getValueAt(Myindex, 4).toString());  
}
```

```
private void ClearBtn4MouseClicked(java.awt.event.MouseEvent evt) {  
  
    PRODID2.setText("");  
    PRODNAM2.setText("");  
    PRODPRICE2.setText("");  
    PROCAT2.setText("");  
    PRODQTY2.setText("");  
}
```

```
private void Add2BtnMouseClicked(java.awt.event.MouseEvent evt) {  
  
    if (PRODNAM2.getText().isEmpty()||PRODQTY2.getText().isEmpty()){
```

```

JOptionPane.showMessageDialog (this, "Please complete product details!");
}

else if (AvQty < Integer.valueOf(PRODQTY2.getText())){

JOptionPane.showMessageDialog (this, "Not enough stocks for the product");

}

else{

TotPrice=UPrice * Integer.valueOf(PRODQTY2.getText());

TotAmt=TotAmt+TotPrice;

i++;

if (i==1){

    try {

        Con =
DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");

        String Query = "Update User1.PROINVTBL set
PRODQTY=(PRODQTY-"+PRODQTY2.getText()+") where
PRODNAME='"+PRODNAME2.getText()+"'";

        Statement Add = Con.createStatement();

        Add.executeUpdate(Query);

        SelectProDis();

        SelectInvRep();

        //NewInv();

        java.util.Date utilDate = new Date();

        java.sql.Date date = new java.sql.Date(utilDate.getTime());

        if (PRODNAME2.getText().isEmpty()||PRODQTY2.getText().isEmpty()){

            JOptionPane.showMessageDialog(this, "Please indicate quantity.");

        }

    }
}

```



```

else{

    String Que= "select*from User1.INVREPTBL where
PRODID="+PRODID2.getText()+"and PURDATE='"+date+"'";

    try {

        Con =
DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");

        St = Con.createStatement();

        Rs = St.executeQuery(Que);

        if(Rs.next()){

            Con =
DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");

            String Q = "Update User1.INVREPTBL set
PRODQTY=(PRODQTY+"+PRODQTY2.getText()+") where
PRODNAME='"+PRODNAME2.getText()+"' and PURDATE='"+date+"'";

            Statement Ad = Con.createStatement();

            Ad.executeUpdate(Q);

        }

    }else{

        try {

            Con =
DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");

            PreparedStatement add = Con.prepareStatement("insert into
INVREPTBL values(?,?,?,?,?,?)");

            add.setInt(1, Integer.valueOf(PRODID2.getText()));

            add.setString(2, PRODNAME2.getText());

            add.setInt(3, Integer.valueOf(PRODQTY2.getText()));

            add.setDouble(4, (double) TotPrice);

            add.setString(5, PROCAT2.getText());

```

```

        add.setDate(6, date);

        int row = add.executeUpdate ();

        Con.close();

    } catch (Exception e) {

        e.printStackTrace();

    }

}

catch(Exception e)

{

    e.printStackTrace();

}

}

} catch (Exception e) {

    e.printStackTrace();}

    ListDis.setText(ListDis.getText()+"          PRODUCT          PRICE
QUANTITY          TOTAL\n"+j+"          "+PRODNAME2.getText()+"          "+UPrice+"
"+PRODQTY2.getText()+"          "+TotPrice+"\n");

    PRODID2.setText("");

    PRODNAME2.setText("");

    PRODPRICE2.setText("");

    PROCAT2.setText("");

    PRODQTY2.setText("");

}

else {

    try {

```

```

        Con =
DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");

        String Query = "Update User1.PROINVTBL set
PRODQTY=(PRODQTY-"+PRODQTY2.getText()+") where
PRODNAME='"+PRODNAME2.getText()+"'";

        Statement Add = Con.createStatement();

        Add.executeUpdate(Query);

        SelectProDis();

        SelectInvRep();

        java.util.Date utilDate = new Date();

        java.sql.Date date = new java.sql.Date(utilDate.getTime());

        if (PRODNAME2.getText().isEmpty()||PRODQTY2.getText().isEmpty()){

            JOptionPane.showMessageDialog(this, "Please indicate quantity.");

        }

        else{

            String Que= "select*from User1.INVREPTBL where
PRODID='"+PRODID2.getText()+"and PURDATE='"+date+"'";

            try {

                Con =
DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");

                St = Con.createStatement();

                Rs = St.executeQuery(Que);

                if(Rs.next()){

                    Con =
DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");

                    String Q = "Update User1.INVREPTBL set
PRODQTY=(PRODQTY-"+PRODQTY2.getText()+") where
PRODNAME='"+PRODNAME2.getText()+"' and PURDATE='"+date+"'";

                    Statement Ad = Con.createStatement();

```

```

        Ad.executeUpdate(Q);
    }
    else{
        try {
            Con =
DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");

            PreparedStatement add = Con.prepareStatement("insert into
INVREPTBL values(?,?,?, ?, ?, ?)");

            add.setInt(1, Integer.valueOf(PRODID2.getText()));
            add.setString(2, PRODNAME2.getText());
            add.setInt(3, Integer.valueOf(PRODQTY2.getText()));
            add.setDouble(4, (double) TotPrice);
            add.setString(5, PROCAT2.getText());
            add.setDate(6, date);

            int row = add.executeUpdate ();

            Con.close();
        } catch (Exception e) {
            e.printStackTrace();
        }
    }
}

catch(Exception e)
{
    e.printStackTrace();
}

```

```

        ListDis.setText(ListDis.getText()+i+" "+PRODNAME2.getText()+" "+PRODQTY2.getText()+" "+UPPrice+" "+PRODPRICE2.getText()+" "+TotPrice+"\n");
    }

    PRODID2.setText("");
    PRODNAME2.setText("");
    PRODPRICE2.setText("");
    PROCAT2.setText("");
    PRODQTY2.setText("");
    TotPr.setText("Total: Php "+TotAmt);
} catch (Exception e){
    e.printStackTrace();
}
}
}
}

```

```

private void updatePROCombo() {
    PROCAT.removeAllItems();

    try {
        Con =
        DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");

        St = Con.createStatement();

        Rs = St.executeQuery("Select CATNAME from User1.CATEGORYTBL");

        while (Rs.next()) {
            PROCAT.addItem(Rs.getString("CATNAME"));
        }

        Con.close();
    }catch(Exception e)
    {
    }
}

```

```

    {

    }

}

    private void updatePROCombo2() {

        FILCAT.removeAllItems();

        try {

            Con =
DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");

            St = Con.createStatement();

            Rs = St.executeQuery("Select CATNAME from User1.CATEGORYTBL");

            while (Rs.next()) {

                FILCAT.addItem(Rs.getString("CATNAME"));

            }

            Con.close();

        }catch(Exception e)

        {

        }

    }

}

    public static void main(String args[]) {

        /* Set the Nimbus look and feel */

        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code
(optional) ">

```


//</editor-fold>

//</editor-fold>

/ Create and display the form */*

```
java.awt.EventQueue.invokeLater(new Runnable() {  
    public void run() {  
        new ManagerInterface().setVisible(true);  
    }  
});  
}
```

// Variables declaration - do not modify

```
private javax.swing.JTextField ACCTID;  
private javax.swing.JTextField ACCTPASS;  
private javax.swing.JComboBox ACCTROLE;  
private javax.swing.JTable ACCTTBL;  
private javax.swing.JTextField ACCTUNAME;  
private javax.swing.JButton Add2Btn;  
private javax.swing.JButton AddBtn;  
private javax.swing.JButton AddBtn1;  
private javax.swing.JButton Add_Btn;  
private javax.swing.JTextField CATDESC;  
private javax.swing.JTextField CATID;  
private javax.swing.JTextField CATNAME;
```



```
private javax.swing.JTable CATTBL;  
private javax.swing.JButton ClearBtn;  
private javax.swing.JButton ClearBtn1;  
private javax.swing.JButton ClearBtn2;  
private javax.swing.JButton ClearBtn4;  
private javax.swing.JLabel CloseButton;  
private javax.swing.JLabel DisBtn;  
private javax.swing.JLabel DisBtn1;  
private javax.swing.JLabel DisBtn2;  
private javax.swing.JLabel DisBtn3;  
private javax.swing.JLabel DisBtn4;  
private javax.swing.JButton EditBtn;  
private javax.swing.JButton EditBtn1;  
private javax.swing.JButton EditBtn2;  
private javax.swing.JComboBox FILCAT;  
private javax.swing.JButton GenBtn2;  
private javax.swing.JTabbedPane InterfacePane;  
private javax.swing.JTable InvSumm;  
private javax.swing.JLabel LOutBtn;  
private javax.swing.JLabel LOutBtn1;  
private javax.swing.JLabel LOutBtn4;  
private javax.swing.JLabel LOutBtn5;  
private javax.swing.JLabel LOutBtn6;  
private javax.swing.JTextArea ListDis;  
private javax.swing.JLabel MngAcctBtn;
```

```
private javax.swing.JLabel MngAcctBtn1;  
private javax.swing.JLabel MngAcctBtn4;  
private javax.swing.JLabel MngAcctBtn5;  
private javax.swing.JLabel MngAcctBtn6;  
private javax.swing.JLabel MngCatBtn;  
private javax.swing.JLabel MngCatBtn1;  
private javax.swing.JLabel MngCatBtn4;  
private javax.swing.JLabel MngCatBtn5;  
private javax.swing.JLabel MngCatBtn6;  
private javax.swing.JComboBox PROCAT;  
private javax.swing.JLabel PROCAT2;  
private javax.swing.JTextField PRODID;  
private javax.swing.JLabel PRODID2;  
private javax.swing.JTextField PRODNAME;  
private javax.swing.JLabel PRODNAME2;  
private javax.swing.JTextField PRODPRICE;  
private javax.swing.JLabel PRODPRICE2;  
private javax.swing.JTextField PRODQTY;  
private javax.swing.JTextField PRODQTY2;  
private javax.swing.JButton PrintBtn2;  
private javax.swing.JTable ProDisTbl;  
private javax.swing.JLabel ProInvBtn;  
private javax.swing.JLabel ProInvBtn1;  
private javax.swing.JLabel ProInvBtn4;  
private javax.swing.JLabel ProInvBtn5;
```

```
private javax.swing.JLabel ProInvBtn6;  
private javax.swing.JTable ProInvTbl;  
private javax.swing.JButton RemoveBtn;  
private javax.swing.JButton RemoveBtn1;  
private javax.swing.JButton RemoveBtn2;  
private javax.swing.JLabel SRBtn1;  
private javax.swing.JLabel SRBtn2;  
private javax.swing.JLabel SRBtn4;  
private javax.swing.JLabel SRBtn5;  
private javax.swing.JLabel SRBtn6;  
private javax.swing.JComboBox SelMonth2;  
private javax.swing.JTabbedPane SelTab;  
private javax.swing.JTextField SelYear2;  
private javax.swing.JButton SortBtn;  
private javax.swing.JLabel TotPr;  
private javax.swing.JLabel jLabel1;  
private javax.swing.JLabel jLabel10;  
private javax.swing.JLabel jLabel11;  
private javax.swing.JLabel jLabel12;  
private javax.swing.JLabel jLabel13;  
private javax.swing.JLabel jLabel14;  
private javax.swing.JLabel jLabel15;  
private javax.swing.JLabel jLabel16;  
private javax.swing.JLabel jLabel17;  
private javax.swing.JLabel jLabel18;
```

private javax.swing.JLabel jLabel19;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel20;
private javax.swing.JLabel jLabel21;
private javax.swing.JLabel jLabel22;
private javax.swing.JLabel jLabel23;
private javax.swing.JLabel jLabel24;
private javax.swing.JLabel jLabel27;
private javax.swing.JLabel jLabel28;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel37;
private javax.swing.JLabel jLabel38;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel49;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel50;
private javax.swing.JLabel jLabel51;
private javax.swing.JLabel jLabel52;
private javax.swing.JLabel jLabel53;
private javax.swing.JLabel jLabel54;
private javax.swing.JLabel jLabel55;
private javax.swing.JLabel jLabel56;
private javax.swing.JLabel jLabel57;
private javax.swing.JLabel jLabel58;
private javax.swing.JLabel jLabel59;

```
private javax.swing.JLabel jLabel6;  
private javax.swing.JLabel jLabel7;  
private javax.swing.JLabel jLabel8;  
private javax.swing.JLabel jLabel9;  
private javax.swing.JPanel jPanel1;  
private javax.swing.JPanel jPanel10;  
private javax.swing.JPanel jPanel13;  
private javax.swing.JPanel jPanel14;  
private javax.swing.JPanel jPanel15;  
private javax.swing.JPanel jPanel2;  
private javax.swing.JPanel jPanel3;  
private javax.swing.JPanel jPanel4;  
private javax.swing.JPanel jPanel5;  
private javax.swing.JPanel jPanel6;  
private javax.swing.JPanel jPanel8;  
private javax.swing.JScrollPane jScrollPane1;  
private javax.swing.JScrollPane jScrollPane10;  
private javax.swing.JScrollPane jScrollPane2;  
private javax.swing.JScrollPane jScrollPane3;  
private javax.swing.JScrollPane jScrollPane6;  
private javax.swing.JScrollPane jScrollPane9;  
// End of variables declaration  
  
}
```

```
package addcinventorysystem;
```

```
import java.sql.Connection;
```

```
import java.sql.DriverManager;
```

```
import java.sql.PreparedStatement;
```

```
import java.sql.ResultSet;
```

```
import java.sql.SQLException;
```

```
import java.sql.Statement;
```

```
import java.util.Date;
```

```
import javax.swing.JOptionPane;
```

```
import javax.swing.table.DefaultTableModel;
```

```
import net.proteanit.sql.DbUtils;
```

```
public class InventoryClerkInterface extends javax.swing.JFrame {
```

```
public InventoryClerkInterface() {  
  
    initComponents();  
  
    SelectProdInv();  
  
    SelectCatList();  
  
    SelectProDis();  
  
    updatePROCombo();  
  
    updatePROCombo2();  
  
}
```

```
Connection Con = null;
```

```
Statement St = null;
```

```
ResultSet Rs = null;
```

```
public void SelectProdInv()
```

```
{
```

```
    try {
```

```

        Con =
DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");

        St = Con.createStatement();

        Rs = St.executeQuery("Select * from User1.PROINVTBL");

        ProInvTbl.setModel(DbUtils.resultSetToTableModel(Rs));

    }catch(Exception e)

    {

        e.printStackTrace();

    }

}

```

```

public void SelectProDis()

{

    try {

        Con =
DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");

        St = Con.createStatement();

```



```

Rs = St.executeQuery("Select * from User1.PROINVTBL");

ProDisTbl.setModel(DbUtils.resultSetToTableModel(Rs));

}catch(Exception e)

{

    e.printStackTrace();

}

}

public void SelectCatList()

{

    try {

        Con =

DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");

        St = Con.createStatement();

        Rs = St.executeQuery("Select * from User1.CATEGORYTBL");

        CATTBL.setModel(DbUtils.resultSetToTableModel(Rs));

    }catch(Exception e)

    {

```

```
        e.printStackTrace();  
  
    }  
  
}
```

```
    private void updatePROCombo() {  
  
        PROCAT.removeAllItems();  
  
        try {  
  
            Con =  
DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");  
  
            St = Con.createStatement();  
  
            Rs = St.executeQuery("Select CATNAME from User1.CATEGORYTBL");  
  
            while (Rs.next()) {  
  
                PROCAT.addItem(Rs.getString("CATNAME"));  
  
            }  
  
            Con.close();  
  
        }catch(Exception e)  
  
        {
```

```
}
```

```
}
```

```
@SuppressWarnings("unchecked")
```

```
// <editor-fold defaultstate="collapsed" desc="Generated Code">
```

```
private void initComponents() {
```

```
    CloseButton2 = new javax.swing.JLabel();
```

```
    SelTab = new javax.swing.JTabbedPane();
```

```
    jPanel6 = new javax.swing.JPanel();
```

```
    ProInvBtn = new javax.swing.JLabel();
```

```
    MngCatBtn = new javax.swing.JLabel();
```

```
    SRBtn = new javax.swing.JLabel();
```

```
    jLabel5 = new javax.swing.JLabel();
```

```
    LOutBtn = new javax.swing.JLabel();
```

```
    jLabel1 = new javax.swing.JLabel();
```

```
    jLabel2 = new javax.swing.JLabel();
```

```
jLabel3 = new javax.swing.JLabel();
```

```
jPanel13 = new javax.swing.JPanel();
```

```
ProInvBtn4 = new javax.swing.JLabel();
```

```
MngCatBtn4 = new javax.swing.JLabel();
```

```
SRBtn4 = new javax.swing.JLabel();
```

```
jLabel27 = new javax.swing.JLabel();
```

```
LOutBtn4 = new javax.swing.JLabel();
```

```
jLabel4 = new javax.swing.JLabel();
```

```
jLabel6 = new javax.swing.JLabel();
```

```
jLabel7 = new javax.swing.JLabel();
```

```
jPanel14 = new javax.swing.JPanel();
```

```
ProInvBtn5 = new javax.swing.JLabel();
```

```
MngCatBtn5 = new javax.swing.JLabel();
```

```
SRBtn5 = new javax.swing.JLabel();
```

```
jLabel28 = new javax.swing.JLabel();
```

```
LOutBtn5 = new javax.swing.JLabel();
```

```
jLabel8 = new javax.swing.JLabel();
```

```
jLabel9 = new javax.swing.JLabel();
```

```
jLabel10 = new javax.swing.JLabel();
```

```
InterfacePane = new javax.swing.JTabbedPane();
```

```
jPanel2 = new javax.swing.JPanel();
```

```
jLabel11 = new javax.swing.JLabel();
```

```
jLabel12 = new javax.swing.JLabel();
```

```
PRODID = new javax.swing.JTextField();
```

```
jLabel13 = new javax.swing.JLabel();
```

```
PRODNAME = new javax.swing.JTextField();
```

```
PRODPRICE = new javax.swing.JTextField();
```

```
PRODQTY = new javax.swing.JTextField();
```

```
jLabel14 = new javax.swing.JLabel();
```

```
jLabel15 = new javax.swing.JLabel();
```

```
jLabel16 = new javax.swing.JLabel();
```

```
PROCAT = new javax.swing.JComboBox();
```

```
jScrollPane1 = new javax.swing.JScrollPane();
```

```
ProInvTbl = new javax.swing.JTable();
```

```
jLabel17 = new javax.swing.JLabel();
```

```
AddBtn = new javax.swing.JButton();
```

```
EditBtn = new javax.swing.JButton();
```

```
RemoveBtn = new javax.swing.JButton();
```

```
ClearBtn = new javax.swing.JButton();
```

```
jPanel4 = new javax.swing.JPanel();
```

```
jLabel18 = new javax.swing.JLabel();
```

```
jLabel19 = new javax.swing.JLabel();
```

```
jLabel20 = new javax.swing.JLabel();
```

```
CATID = new javax.swing.JTextField();
```

```
CATDESC = new javax.swing.JTextField();
```

```
jLabel21 = new javax.swing.JLabel();
```

```
CATNAME = new javax.swing.JTextField();
```

```
ClearBtn2 = new javax.swing.JButton();
```

```
RemoveBtn2 = new javax.swing.JButton();
```

```
EditBtn2 = new javax.swing.JButton();
```

```
Add_Btn = new javax.swing.JButton();
```

```
jLabel22 = new javax.swing.JLabel();
```

```
jScrollPane3 = new javax.swing.JScrollPane();
```

```
CATTBL = new javax.swing.JTable();
```

```
jPanel5 = new javax.swing.JPanel();
```

```
jLabel59 = new javax.swing.JLabel();
```

```
jLabel57 = new javax.swing.JLabel();
```

```
jLabel58 = new javax.swing.JLabel();
```

```
jLabel56 = new javax.swing.JLabel();
```

```
jLabel55 = new javax.swing.JLabel();
```

```
PRODID2 = new javax.swing.JLabel();
```

```
PRODNAME2 = new javax.swing.JLabel();
```

```
PRODPRICE2 = new javax.swing.JLabel();
```

```
jLabel54 = new javax.swing.JLabel();
```

```
jLabel53 = new javax.swing.JLabel();
```

```
PROCAT2 = new javax.swing.JLabel();
```

```
PRODQTY2 = new javax.swing.JTextField();
```

```
jLabel52 = new javax.swing.JLabel();
```

```
Add2Btn = new javax.swing.JButton();
```

```
ClearBtn4 = new javax.swing.JButton();
```

```
jScrollPane10 = new javax.swing.JScrollPane();
```

```
ListDis = new javax.swing.JTextArea();
```

```
jLabel51 = new javax.swing.JLabel();
```

```
jScrollPane9 = new javax.swing.JScrollPane();
```

```
ProDisTbl = new javax.swing.JTable();
```

```
FILCAT = new javax.swing.JComboBox();
```

```
jLabel23 = new javax.swing.JLabel();
```

```
SortBtn = new javax.swing.JButton();
```

```
jLabel50 = new javax.swing.JLabel();
```

```
TotPr = new javax.swing.JLabel();
```

```
setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
```

```
setBackground(new java.awt.Color(255, 255, 255));
```

```
setUndecorated(true);
```

```
getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
```



```

CloseButton2.setFont(new java.awt.Font("Arial Black", 1, 18)); // NOI18N

CloseButton2.setForeground(new java.awt.Color(255, 103, 0));

CloseButton2.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

CloseButton2.setText("X");

CloseButton2.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));

CloseButton2.addMouseListener(new java.awt.event.MouseAdapter() {

    public void mouseClicked(java.awt.event.MouseEvent evt) {

        CloseButton2MouseClicked(evt);

    }

});

getContentPane().add(CloseButton2, new
org.netbeans.lib.awtextra.AbsoluteConstraints(1250, 0, 30, -1));

SelTab.setPreferredSize(new java.awt.Dimension(192, 630));

jPanel6.setBackground(new java.awt.Color(255, 255, 153));

```

```
jPanel6.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
```

```
ProInvBtn.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```

```
ProInvBtn.setForeground(new java.awt.Color(255, 102, 0));
```

```
ProInvBtn.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
```

```
ProInvBtn.setIcon(new
```

```
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/INVa.png"))); //
```

```
NOI18N
```

```
ProInvBtn.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
```

```
ProInvBtn.addMouseListener(new java.awt.event.MouseAdapter() {
```

```
    public void mouseClicked(java.awt.event.MouseEvent evt) {
```

```
        ProInvBtnMouseClicked(evt);
```

```
    }
```

```
});
```

```
jPanel6.add(ProInvBtn, new org.netbeans.lib.awtextra.AbsoluteConstraints(12,  
355, -1, -1));
```

```

MngCatBtn.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N

MngCatBtn.setForeground(new java.awt.Color(255, 102, 0));

MngCatBtn.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

MngCatBtn.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/CATEGb.png")))
; // NOI18N

MngCatBtn.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));

MngCatBtn.addMouseListener(new java.awt.event.MouseAdapter() {

    public void mouseClicked(java.awt.event.MouseEvent evt) {

        MngCatBtnMouseClicked(evt);

    }

});

jPanel6.add(MngCatBtn, new org.netbeans.lib.awtextra.AbsoluteConstraints(12,
294, -1, -1));

SRBtn.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N

SRBtn.setForeground(new java.awt.Color(255, 102, 0));

```

```
SRBtn.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
```

```
SRBtn.setIcon(new  
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/DISPb.png"))); //  
NOI18N
```

```
SRBtn.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
```

```
SRBtn.addMouseListener(new java.awt.event.MouseAdapter() {
```

```
    public void mouseClicked(java.awt.event.MouseEvent evt) {
```

```
        SRBtnMouseClicked(evt);
```

```
    }
```

```
});
```

```
jPanel6.add(SRBtn, new org.netbeans.lib.awtextra.AbsoluteConstraints(12, 416,  
-1, -1));
```

```
jLabel5.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```

```
jLabel5.setForeground(new java.awt.Color(255, 102, 0));
```

```
jLabel5.setIcon(new  
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/ACDC LOGO  
ic.png"))); // NOI18N
```

```

jLabel5.setToolTipText("");

jPanel6.add(jLabel5, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 70, -1,
98));


LOutBtn.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N

LOutBtn.setForeground(new java.awt.Color(255, 102, 0));

LOutBtn.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

LOutBtn.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/LOGOUT.png")))
; // NOI18N

LOutBtn.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));

LOutBtn.addMouseListener(new java.awt.event.MouseAdapter() {

    public void mouseClicked(java.awt.event.MouseEvent evt) {

        LOutBtnMouseClicked(evt);

    }

});

jPanel6.add(LOutBtn, new org.netbeans.lib.awtextra.AbsoluteConstraints(10, 580,
-1, 50));

```

```
jLabel1.setFont(new java.awt.Font("Century Gothic", 1, 14)); // NOI18N

jLabel1.setForeground(new java.awt.Color(255, 102, 0));

jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel1.setText("Center Inventory");

jPanel6.add(jLabel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 230,
190, -1));
```

```
jLabel2.setFont(new java.awt.Font("Century Gothic", 1, 14)); // NOI18N

jLabel2.setForeground(new java.awt.Color(255, 102, 0));

jLabel2.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel2.setText("ACDC Component");

jPanel6.add(jLabel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 190,
190, -1));
```

```
jLabel3.setFont(new java.awt.Font("Century Gothic", 1, 14)); // NOI18N

jLabel3.setForeground(new java.awt.Color(255, 102, 0));
```

```
jLabel3.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
```

```
jLabel3.setText("Parts Sales and Service");
```

```
jPanel6.add(jLabel3, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 210, 190, -1));
```

```
SelTab.addTab("1", jPanel6);
```

```
jPanel13.setBackground(new java.awt.Color(255, 255, 153));
```

```
jPanel13.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
```

```
ProInvBtn4.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```

```
ProInvBtn4.setForeground(new java.awt.Color(255, 102, 0));
```

```
ProInvBtn4.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
```

```
ProInvBtn4.setIcon(new  
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/INVb.png"))); //  
NOI18N
```

```
ProInvBtn4.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
```

```

ProInvBtn4.addMouseListener(new java.awt.event.MouseAdapter() {

    public void mouseClicked(java.awt.event.MouseEvent evt) {

        ProInvBtn4MouseClicked(evt);

    }

});

jPanel13.add(ProInvBtn4, new org.netbeans.lib.awtextra.AbsoluteConstraints(12,
355, -1, -1));

MngCatBtn4.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N

MngCatBtn4.setForeground(new java.awt.Color(255, 102, 0));

MngCatBtn4.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

MngCatBtn4.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/CATEGa.png")))
; // NOI18N

MngCatBtn4.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));

MngCatBtn4.addMouseListener(new java.awt.event.MouseAdapter() {

    public void mouseClicked(java.awt.event.MouseEvent evt) {

```



```

        MngCatBtn4MouseClicked(evt);

    }

});

jPanel13.add(MngCatBtn4, new org.netbeans.lib.awtextra.AbsoluteConstraints(12,
294, -1, -1));

SRBtn4.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N

SRBtn4.setForeground(new java.awt.Color(255, 102, 0));

SRBtn4.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

SRBtn4.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/DISPb.png"))); //
NOI18N

SRBtn4.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));

SRBtn4.addMouseListener(new java.awt.event.MouseAdapter() {

    public void mouseClicked(java.awt.event.MouseEvent evt) {

        SRBtn4MouseClicked(evt);

    }

}

```

```
});
```

```
jPanel13.add(SRBtn4, new org.netbeans.lib.awtextra.AbsoluteConstraints(12, 416,  
-1, -1));
```

```
jLabel27.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```

```
jLabel27.setForeground(new java.awt.Color(255, 102, 0));
```

```
jLabel27.setIcon(new  
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/ACDC LOGO  
ic.png"))); // NOI18N
```

```
jLabel27.setToolTipText("");
```

```
jPanel13.add(jLabel27, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 70,  
-1, 98));
```

```
LOutBtn4.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```

```
LOutBtn4.setForeground(new java.awt.Color(255, 102, 0));
```

```
LOutBtn4.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
```

```
LOutBtn4.setIcon(new  
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/LOGOUT.png")))  
; // NOI18N
```

```
LOutBtn4.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
```

```
LOutBtn4.addMouseListener(new java.awt.event.MouseAdapter() {
```

```
    public void mouseClicked(java.awt.event.MouseEvent evt) {
```

```
        LOutBtn4MouseClicked(evt);
```

```
    }
```

```
});
```

```
jPanel13.add(LOutBtn4, new org.netbeans.lib.awtextra.AbsoluteConstraints(10,  
580, -1, 50));
```

```
jLabel4.setFont(new java.awt.Font("Century Gothic", 1, 14)); // NOI18N
```

```
jLabel4.setForeground(new java.awt.Color(255, 102, 0));
```

```
jLabel4.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
```

```
jLabel4.setText("Center Inventory");
```

```
jPanel13.add(jLabel4, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 230,  
190, -1));
```

```
jLabel6.setFont(new java.awt.Font("Century Gothic", 1, 14)); // NOI18N

jLabel6.setForeground(new java.awt.Color(255, 102, 0));

jLabel6.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel6.setText("Parts Sales and Service");

jPanel13.add(jLabel6, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 210,
190, -1));


jLabel7.setFont(new java.awt.Font("Century Gothic", 1, 14)); // NOI18N

jLabel7.setForeground(new java.awt.Color(255, 102, 0));

jLabel7.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel7.setText("ACDC Component");

jPanel13.add(jLabel7, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 190,
190, -1));


SelTab.addTab("3", jPanel13);
```

```
jPanel14.setBackground(new java.awt.Color(255, 255, 153));
```

```
jPanel14.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());
```

```
ProInvBtn5.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```

```
ProInvBtn5.setForeground(new java.awt.Color(255, 102, 0));
```

```
ProInvBtn5.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
```

```
ProInvBtn5.setIcon(new
```

```
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/INVb.png"))); //
```

```
NOI18N
```

```
ProInvBtn5.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
```

```
ProInvBtn5.addMouseListener(new java.awt.event.MouseAdapter() {
```

```
    public void mouseClicked(java.awt.event.MouseEvent evt) {
```

```
        ProInvBtn5MouseClicked(evt);
```

```
    }
```

```
});
```

```
jPanel14.add(ProInvBtn5, new org.netbeans.lib.awtextra.AbsoluteConstraints(12,  
355, -1, -1));
```

```
MngCatBtn5.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N

MngCatBtn5.setForeground(new java.awt.Color(255, 102, 0));

MngCatBtn5.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

MngCatBtn5.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/CATEGb.png")))
; // NOI18N

MngCatBtn5.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));

MngCatBtn5.addMouseListener(new java.awt.event.MouseAdapter() {

    public void mouseClicked(java.awt.event.MouseEvent evt) {

        MngCatBtn5MouseClicked(evt);

    }

});

jPanel14.add(MngCatBtn5, new org.netbeans.lib.awtextra.AbsoluteConstraints(12,
294, -1, -1));
```

```
SRBtn5.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```

```
SRBtn5.setForeground(new java.awt.Color(255, 102, 0));
```

```
SRBtn5.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
```

```
SRBtn5.setIcon(new
```

```
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/DISPa.png"))); //
```

```
NOI18N
```

```
SRBtn5.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
```

```
SRBtn5.addMouseListener(new java.awt.event.MouseAdapter() {
```

```
    public void mouseClicked(java.awt.event.MouseEvent evt) {
```

```
        SRBtn5MouseClicked(evt);
```

```
    }
```

```
});
```

```
jPanel14.add(SRBtn5, new org.netbeans.lib.awtextra.AbsoluteConstraints(12, 416,  
-1, -1));
```

```
jLabel28.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```

```
jLabel28.setForeground(new java.awt.Color(255, 102, 0));
```

```

jLabel28.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/ACDC LOGO
ic.png"))); // NOI18N

jLabel28.setToolTipText("");

jPanel14.add(jLabel28, new org.netbeans.lib.awtextra.AbsoluteConstraints(20, 70,
-1, 98));

LOutBtn5.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N

LOutBtn5.setForeground(new java.awt.Color(255, 102, 0));

LOutBtn5.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

LOutBtn5.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/acdcinventorysystem/LOGOUT.png")))
; // NOI18N

LOutBtn5.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));

LOutBtn5.addMouseListener(new java.awt.event.MouseAdapter() {

    public void mouseClicked(java.awt.event.MouseEvent evt) {

        LOutBtn5MouseClicked(evt);

    }
}

```



```
});
```

```
jPanel14.add(LOutBtn5, new org.netbeans.lib.awtextra.AbsoluteConstraints(10,  
580, -1, 50));
```

```
jLabel8.setFont(new java.awt.Font("Century Gothic", 1, 14)); // NOI18N
```

```
jLabel8.setForeground(new java.awt.Color(255, 102, 0));
```

```
jLabel8.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
```

```
jLabel8.setText("Center Inventory");
```

```
jPanel14.add(jLabel8, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 230,  
190, -1));
```

```
jLabel9.setFont(new java.awt.Font("Century Gothic", 1, 14)); // NOI18N
```

```
jLabel9.setForeground(new java.awt.Color(255, 102, 0));
```

```
jLabel9.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
```

```
jLabel9.setText("Parts Sales and Service");
```

```
jPanel14.add(jLabel9, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 210,  
190, -1));
```

```
jLabel10.setFont(new java.awt.Font("Century Gothic", 1, 14)); // NOI18N

jLabel10.setForeground(new java.awt.Color(255, 102, 0));

jLabel10.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel10.setText("ACDC Component");

jPanel14.add(jLabel10, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 190,
190, -1));

SelTab.addTab("4", jPanel14);

getContentPane().add(SelTab, new
org.netbeans.lib.awtextra.AbsoluteConstraints(-8, -30, 190, 770));

InterfacePane.setBackground(new java.awt.Color(255, 255, 255));

jPanel2.setBackground(new java.awt.Color(255, 255, 255));
```

```
jLabel11.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```

```
jLabel11.setForeground(new java.awt.Color(255, 102, 0));
```

```
jLabel11.setText("Category");
```

```
jLabel12.setFont(new java.awt.Font("Century Gothic", 1, 36)); // NOI18N
```

```
jLabel12.setForeground(new java.awt.Color(255, 102, 0));
```

```
jLabel12.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
```

```
jLabel12.setText("Product Inventory");
```

```
PRODID.setFont(new java.awt.Font("Century Gothic", 0, 18)); // NOI18N
```

```
jLabel13.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```

```
jLabel13.setForeground(new java.awt.Color(255, 102, 0));
```

```
jLabel13.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);
```

```
jLabel13.setText("Product Name");
```

```
PRODNAME.setFont(new java.awt.Font("Century Gothic", 0, 18)); // NOI18N
```

```
PRODPRICE.setFont(new java.awt.Font("Century Gothic", 0, 18)); // NOI18N
```

```
PRODQTY.setFont(new java.awt.Font("Century Gothic", 0, 18)); // NOI18N
```

```
jLabel14.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```

```
jLabel14.setForeground(new java.awt.Color(255, 102, 0));
```

```
jLabel14.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);
```

```
jLabel14.setText("Price");
```

```
jLabel15.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```

```
jLabel15.setForeground(new java.awt.Color(255, 102, 0));
```

```
jLabel15.setText("Quantity");
```

```
jLabel16.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```

```
jLabel16.setForeground(new java.awt.Color(255, 102, 0));
```

```
jLabel16.setText("Product ID");
```

```
PROCAT.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N
```

```
PROCAT.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
```

```
jScrollPane1.setCursor(new  
java.awt.Cursor(java.awt.Cursor.DEFAULT_CURSOR));
```

```
jScrollPane1.setEnabled(false);
```

```
jScrollPane1.setFont(new java.awt.Font("Century Gothic", 0, 13)); // NOI18N
```

```
ProInvTbl.setFont(new java.awt.Font("Century Gothic", 0, 18)); // NOI18N
```

```
ProInvTbl.setCursor(new java.awt.Cursor(java.awt.Cursor.DEFAULT_CURSOR));
```

```
ProInvTbl.setInterCellSpacing(new java.awt.Dimension(0, 0));
```

```
ProInvTbl.setRowHeight(25);
```

```
ProInvTbl.setSelectionBackground(new java.awt.Color(225, 102, 0));
```

```
ProInvTbl.addMouseListener(new java.awt.event.MouseAdapter() {
```

```
    public void mouseClicked(java.awt.event.MouseEvent evt) {
```

```
        ProInvTblMouseClicked(evt);
```

```
}

});

jScrollPane1.setViewportViewView(ProlInvTbl);


jLabel17.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N

jLabel17.setForeground(new java.awt.Color(255, 102, 0));

jLabel17.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel17.setText("List of Products");


AddBtn.setBackground(new java.awt.Color(255, 102, 0));

AddBtn.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N

AddBtn.setForeground(new java.awt.Color(240, 240, 240));

AddBtn.setText("ADD");

AddBtn.setBorder(null);

AddBtn.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));

AddBtn.addMouseListener(new java.awt.event.MouseAdapter() {

    public void mouseClicked(java.awt.event.MouseEvent evt) {
```

```
        AddBtnMouseClicked(evt);

    }

});

EditBtn.setBackground(new java.awt.Color(255, 102, 0));

EditBtn.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N

EditBtn.setForeground(new java.awt.Color(240, 240, 240));

EditBtn.setText("UPDATE");

EditBtn.setBorder(null);

EditBtn.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));

EditBtn.addMouseListener(new java.awt.event.MouseAdapter() {

    public void mouseClicked(java.awt.event.MouseEvent evt) {

        EditBtnMouseClicked(evt);

    }

});

RemoveBtn.setBackground(new java.awt.Color(255, 102, 0));
```

```
RemoveBtn.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N

RemoveBtn.setForeground(new java.awt.Color(240, 240, 240));

RemoveBtn.setText("REMOVE");

RemoveBtn.setBorder(null);

RemoveBtn.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));

RemoveBtn.addMouseListener(new java.awt.event.MouseAdapter() {

    public void mouseClicked(java.awt.event.MouseEvent evt) {

        RemoveBtnMouseClicked(evt);

    }

});
```

```
ClearBtn.setBackground(new java.awt.Color(255, 102, 0));

ClearBtn.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N

ClearBtn.setForeground(new java.awt.Color(240, 240, 240));

ClearBtn.setText("CLEAR");

ClearBtn.setBorder(null);

ClearBtn.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
```



```
ClearBtn.addMouseListener(new java.awt.event.MouseAdapter() {  
  
    public void mouseClicked(java.awt.event.MouseEvent evt) {  
  
        ClearBtnMouseClicked(evt);  
  
    }  
  
});
```

```
javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);  
  
jPanel2.setLayout(jPanel2Layout);  
  
jPanel2Layout.setHorizontalGroup
```

```
jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
  
    .addGroup(jPanel2Layout.createSequentialGroup()  
  
        .addContainerGap()
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
  
    .addComponent(jLabel12, javax.swing.GroupLayout.DEFAULT_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
```

```
.addGroup(jPanel2Layout.createSequentialGroup())
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
.addGroup(jPanel2Layout.createSequentialGroup())
```

```
.addGap(98, 98, 98)
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
.addComponent(jLabel13,  
javax.swing.GroupLayout.PREFERRED_SIZE, 191,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
.addComponent(jLabel16,  
javax.swing.GroupLayout.PREFERRED_SIZE, 157,  
javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
```

```
.addComponent(PRODID)
```

```
.addComponent(PRODNAME,  
javax.swing.GroupLayout.PREFERRED_SIZE, 250,  
javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
.addGap(18, 18, 18)
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
```

```
.addComponent(jLabel14,  
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,  
Short.MAX_VALUE)
```

```
.addComponent(jLabel15,  
javax.swing.GroupLayout.PREFERRED_SIZE, 131,  
javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
.addGap(13, 13, 13)
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
        .addComponent(PRODPRICE,  
javax.swing.GroupLayout.PREFERRED_SIZE, 250,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
        .addComponent(PRODQTY,  
javax.swing.GroupLayout.PREFERRED_SIZE, 250,  
javax.swing.GroupLayout.PREFERRED_SIZE)))
```

```
    .addGroup(jPanel2Layout.createSequentialGroup())
```

```
        .addGap(308, 308, 308)
```

```
        .addComponent(jLabel11,  
javax.swing.GroupLayout.PREFERRED_SIZE, 146,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
```

```
        .addComponent(PROCAT,  
javax.swing.GroupLayout.PREFERRED_SIZE, 262,  
javax.swing.GroupLayout.PREFERRED_SIZE)))
```

```
    .addGap(0, 0, Short.MAX_VALUE))
```

```
    .addGroup(jPanel2Layout.createSequentialGroup())
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
.addGroup(jPanel2Layout.createSequentialGroup())
```

```
.addGap(18, 18, 18)
```

```
.addComponent(jScrollPane1,  
javax.swing.GroupLayout.PREFERRED_SIZE, 1010,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
.addGap(0, 53, Short.MAX_VALUE))
```

```
.addComponent(jLabel17, javax.swing.GroupLayout.DEFAULT_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
```

```
.addContainerGap())
```

```
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,  
jPanel2Layout.createSequentialGroup())
```

```
.addGap(0, 0, Short.MAX_VALUE)
```

```
.addComponent(AddBtn, javax.swing.GroupLayout.PREFERRED_SIZE,  
145, javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
.addGap(56, 56, 56)
```

```
        .addComponent(EditBtn, javax.swing.GroupLayout.PREFERRED_SIZE,  
145, javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
        .addGap(57, 57, 57)
```

```
        .addComponent(RemoveBtn,  
javax.swing.GroupLayout.PREFERRED_SIZE, 145,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
        .addGap(61, 61, 61)
```

```
        .addComponent(ClearBtn,  
javax.swing.GroupLayout.PREFERRED_SIZE, 145,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
        .addGap(151, 151, 151))))
```

```
    );
```

```
    JPanel2Layout.setVerticalGroup(  
  

```

```
    JPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
        .addGroup(JPanel2Layout.createSequentialGroup()  
  

```

```
            .addGap(88, 88, 88)
```

```
            .addComponent(jLabel12)
```

```
.addGap(27, 27, 27)
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
```

```
.addComponent(jLabel11, javax.swing.GroupLayout.DEFAULT_SIZE, 33,  
Short.MAX_VALUE)
```

```
.addComponent(PROCAT, javax.swing.GroupLayout.PREFERRED_SIZE,  
31, javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
.addGap(18, 18, 18)
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
.addGroup(jPanel2Layout.createSequentialGroup())
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
```

```
.addComponent(PRODID,  
javax.swing.GroupLayout.PREFERRED_SIZE, 31,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
.addComponent(jLabel16, javax.swing.GroupLayout.DEFAULT_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
```

```
.addComponent(jLabel13, javax.swing.GroupLayout.DEFAULT_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
```

```
.addComponent(PRODNAME,  
javax.swing.GroupLayout.PREFERRED_SIZE, 31,  
javax.swing.GroupLayout.PREFERRED_SIZE)))
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
```

```
.addGroup(jPanel2Layout.createSequentialGroup()
```

```
.addComponent(jLabel15)
```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
```

```
.addComponent(jLabel14))
```



```
.addGroup(jPanel2Layout.createSequentialGroup())
```

```
.addComponent(PRODQTY,  
javax.swing.GroupLayout.PREFERRED_SIZE, 31,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
```

```
.addComponent(PRODPRICE,  
javax.swing.GroupLayout.PREFERRED_SIZE, 31,  
javax.swing.GroupLayout.PREFERRED_SIZE))))
```

```
.addGap(47, 47, 47)
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
```

```
.addComponent(AddBtn, javax.swing.GroupLayout.PREFERRED_SIZE,  
47, javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
.addComponent(EditBtn, javax.swing.GroupLayout.PREFERRED_SIZE,  
47, javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
.addComponent(RemoveBtn,  
javax.swing.GroupLayout.PREFERRED_SIZE, 47,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
.addComponent(ClearBtn, javax.swing.GroupLayout.PREFERRED_SIZE,  
47, javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
.addGap(18, 18, 18)
```

```
.addComponent(jLabel17)
```

```
.addGap(18, 18, 18)
```

```
.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,  
226, javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
.addGap(222, 222, 222))
```

```
);
```

```
InterfacePane.addTab("Inventory", jPanel2);
```

```
jPanel4.setBackground(new java.awt.Color(255, 255, 255));
```

```
jLabel18.setFont(new java.awt.Font("Century Gothic", 1, 36)); // NOI18N
```

```
jLabel18.setForeground(new java.awt.Color(255, 102, 0));
```

```
jLabel18.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
```

```
jLabel18.setText("Manage Categories");
```

```
jLabel19.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```

```
jLabel19.setForeground(new java.awt.Color(255, 102, 0));
```

```
jLabel19.setText("Category ID");
```

```
jLabel20.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```

```
jLabel20.setForeground(new java.awt.Color(255, 102, 0));
```

```
jLabel20.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);
```

```
jLabel20.setText("Description");
```

```
CATID.setFont(new java.awt.Font("Century Gothic", 0, 18)); // NOI18N
```

```
CATDESC.setFont(new java.awt.Font("Century Gothic", 0, 18)); // NOI18N
```

```
jLabel21.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```

```
jLabel21.setForeground(new java.awt.Color(255, 102, 0));
```

```
jLabel21.setText("Name");
```

```
CATNAME.setFont(new java.awt.Font("Century Gothic", 0, 18)); // NOI18N
```

```
ClearBtn2.setBackground(new java.awt.Color(255, 102, 0));
```

```
ClearBtn2.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N
```

```
ClearBtn2.setForeground(new java.awt.Color(240, 240, 240));
```

```
ClearBtn2.setText("CLEAR");
```

```
ClearBtn2.setBorder(null);
```

```
ClearBtn2.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
```

```
ClearBtn2.addMouseListener(new java.awt.event.MouseAdapter() {
```

```
    public void mouseClicked(java.awt.event.MouseEvent evt) {
```

```
        ClearBtn2MouseClicked(evt);
```

```
    }
```

```
});
```

```
RemoveBtn2.setBackground(new java.awt.Color(255, 102, 0));
```

```
RemoveBtn2.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N
```

```
RemoveBtn2.setForeground(new java.awt.Color(240, 240, 240));
```

```
RemoveBtn2.setText("REMOVE");
```

```
RemoveBtn2.setBorder(null);
```

```
RemoveBtn2.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
```

```
RemoveBtn2.addMouseListener(new java.awt.event.MouseAdapter() {
```

```
    public void mouseClicked(java.awt.event.MouseEvent evt) {
```

```
        RemoveBtn2MouseClicked(evt);
```

```
    }
```

```
});
```

```
EditBtn2.setBackground(new java.awt.Color(255, 102, 0));
```

```
EditBtn2.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N
```

```
EditBtn2.setForeground(new java.awt.Color(240, 240, 240));
```

```
EditBtn2.setText("UPDATE");
```

```
EditBtn2.setBorder(null);
```

```
EditBtn2.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
```

```
EditBtn2.addMouseListener(new java.awt.event.MouseAdapter() {  
  
    public void mouseClicked(java.awt.event.MouseEvent evt) {  
  
        EditBtn2MouseClicked(evt);  
  
    }  
  
});
```

```
Add_Btn.setBackground(new java.awt.Color(255, 102, 0));
```

```
Add_Btn.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N
```

```
Add_Btn.setForeground(new java.awt.Color(240, 240, 240));
```

```
Add_Btn.setText("ADD");
```

```
Add_Btn.setBorder(null);
```

```
Add_Btn.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
```

```
Add_Btn.addMouseListener(new java.awt.event.MouseAdapter() {  
  
    public void mouseClicked(java.awt.event.MouseEvent evt) {  
  
        Add_BtnMouseClicked(evt);  
  
    }  
  
});
```

```
jLabel22.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```

```
jLabel22.setForeground(new java.awt.Color(255, 102, 0));
```

```
jLabel22.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
```

```
jLabel22.setText("List of Categories");
```

```
CATTBL.setFont(new java.awt.Font("Century Gothic", 0, 18)); // NOI18N
```

```
CATTBL.setModel(new javax.swing.table.DefaultTableModel(  
    new Object [][] {  
        {null, null, null},  
        {null, null, null},  
        {null, null, null},  
        {null, null, null},  
        {null, null, null},  
        {null, null, null},  
        {null, null, null}  
    },  
    new String[] {  
        "Category",  
        "Description",  
        "Price"  
    }  
));
```

```

        new String [] {

            "Category ID", "Name", "Description"

        }

    ));

    CATTBL.setIntercellSpacing(new java.awt.Dimension(0, 0));

    CATTBL.setRowHeight(25);

    CATTBL.setSelectionBackground(new java.awt.Color(225, 102, 0));

    CATTBL.addMouseListener(new java.awt.event.MouseAdapter() {

        public void mouseClicked(java.awt.event.MouseEvent evt) {

            CATTBLMouseClicked(evt);

        }

    });

    jScrollPane3.setViewportViewView(CATTBL);


    javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);

    jPanel4.setLayout(jPanel4Layout);

    jPanel4Layout.setHorizontalGroup(

```



```
jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
    .addComponent(jLabel18, javax.swing.GroupLayout.DEFAULT_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
```

```
    .addGroup(jPanel4Layout.createSequentialGroup())
```

```
        .addGap(98, 98, 98)
```

```
    .addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
        .addComponent(jLabel20, javax.swing.GroupLayout.PREFERRED_SIZE,  
191, javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
        .addComponent(jLabel19, javax.swing.GroupLayout.PREFERRED_SIZE,  
157, javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
```

```
    .addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
```

```
        .addGroup(jPanel4Layout.createSequentialGroup())
```

```
.addComponent(CATID, javax.swing.GroupLayout.DEFAULT_SIZE, 250,  
Short.MAX_VALUE)
```

```
.addGap(26, 26, 26)
```

```
.addComponent(jLabel21,  
javax.swing.GroupLayout.PREFERRED_SIZE, 131,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
```

```
.addComponent(CATNAME,  
javax.swing.GroupLayout.PREFERRED_SIZE, 250,  
javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
.addComponent(CATDESC))
```

```
.addGap(0, 0, Short.MAX_VALUE))
```

```
.addGroup(jPanel4Layout.createSequentialGroup())
```

```
.addContainerGap()
```

```
.addComponent(jLabel22, javax.swing.GroupLayout.DEFAULT_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
```

```
.addContainerGap())
```

```
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,  
jPanel4Layout.createSequentialGroup())
```

```
.addContainerGap(194, Short.MAX_VALUE)
```

```
.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,  
jPanel4Layout.createSequentialGroup())
```

```
.addComponent(jScrollPane3,  
javax.swing.GroupLayout.PREFERRED_SIZE, 762,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
.addGap(149, 149, 149))
```

```
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,  
jPanel4Layout.createSequentialGroup())
```

```
.addComponent(Add_Btn,  
javax.swing.GroupLayout.PREFERRED_SIZE, 145,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
.addGap(56, 56, 56)
```

```
        .addComponent(EditBtn2,  
javax.swing.GroupLayout.PREFERRED_SIZE, 145,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
        .addGap(57, 57, 57)
```

```
        .addComponent(RemoveBtn2,  
javax.swing.GroupLayout.PREFERRED_SIZE, 145,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
        .addGap(61, 61, 61)
```

```
        .addComponent(ClearBtn2,  
javax.swing.GroupLayout.PREFERRED_SIZE, 145,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
        .addGap(154, 154, 154))))
```

```
    );
```

```
    JPanel4Layout.setVerticalGroup(  
  

```

```
    JPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
        .addGroup(JPanel4Layout.createSequentialGroup()  
  

```

```
            .addGap(72, 72, 72)
```

```
            .addComponent(jLabel18)
```

```
.addGap(50, 50, 50)
```

```
.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
```

```
.addComponent(CATID, javax.swing.GroupLayout.PREFERRED_SIZE, 31, javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
.addComponent(jLabel19, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
```

```
.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
```

```
.addComponent(jLabel21)
```

```
.addComponent(CATNAME, javax.swing.GroupLayout.PREFERRED_SIZE, 31, javax.swing.GroupLayout.PREFERRED_SIZE)))
```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
```

```
.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
.addComponent(jLabel20)
```

```
.addComponent(CATDESC, javax.swing.GroupLayout.PREFERRED_SIZE, 31, javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
.addGap(39, 39, 39)
```

```
.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
```

```
.addComponent(Add_Btn, javax.swing.GroupLayout.PREFERRED_SIZE, 47, javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
.addComponent(EditBtn2, javax.swing.GroupLayout.PREFERRED_SIZE, 47, javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
.addComponent(RemoveBtn2, javax.swing.GroupLayout.PREFERRED_SIZE, 47, javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
.addComponent(ClearBtn2, javax.swing.GroupLayout.PREFERRED_SIZE, 47, javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
.addGap(18, 18, 18)
```

```
.addComponent(jLabel22)

.addGap(18, 18, 18)

.addComponent(jScrollPane3, javax.swing.GroupLayout.PREFERRED_SIZE,
226, javax.swing.GroupLayout.PREFERRED_SIZE)

.addGap(21, 21, 21))

);
```

```
InterfacePane.addTab("Categories", jPanel4);
```

```
jPanel5.setBackground(new java.awt.Color(255, 255, 255));
```

```
jLabel59.setFont(new java.awt.Font("Century Gothic", 1, 36)); // NOI18N
```

```
jLabel59.setForeground(new java.awt.Color(255, 102, 0));
```

```
jLabel59.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
```

```
jLabel59.setText("Dispatch");
```

```
jLabel57.setFont(new java.awt.Font("Century Gothic", 1, 36)); // NOI18N
```

```
jLabel57.setForeground(new java.awt.Color(255, 102, 0));
```

```
jLabel57.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
```

```
jLabel57.setText("Products");
```

```
jLabel58.setFont(new java.awt.Font("Century Gothic", 1, 36)); // NOI18N
```

```
jLabel58.setForeground(new java.awt.Color(255, 102, 0));
```

```
jLabel58.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
```

```
jLabel58.setIcon(new javax.swing.ImageIcon("F:\\CaseStudy\\cart32.png")); //
```

NOI18N

```
jLabel56.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```

```
jLabel56.setForeground(new java.awt.Color(255, 102, 0));
```

```
jLabel56.setText("Product ID");
```

```
jLabel55.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```

```
jLabel55.setForeground(new java.awt.Color(255, 102, 0));
```

```
jLabel55.setText("Product");
```



```
PRODID2.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```

```
PRODID2.setForeground(new java.awt.Color(102, 0, 0));
```

```
PRODID2.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);
```

```
PRODID2.setText("_____");
```

```
PRODNAME2.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```

```
PRODNAME2.setForeground(new java.awt.Color(102, 0, 0));
```

```
PRODNAME2.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);
```

```
PRODNAME2.setText("_____");
```

```
PRODPRICE2.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```

```
PRODPRICE2.setForeground(new java.awt.Color(102, 0, 0));
```

```
PRODPRICE2.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);
```

```
PRODPRICE2.setText("_____");
```

```
jLabel54.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```

```
jLabel54.setForeground(new java.awt.Color(255, 102, 0));
```

```
jLabel54.setText("Price");
```

```
jLabel53.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```

```
jLabel53.setForeground(new java.awt.Color(255, 102, 0));
```

```
jLabel53.setText("Category");
```

```
PROCAT2.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```

```
PROCAT2.setForeground(new java.awt.Color(102, 0, 0));
```

```
PROCAT2.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);
```

```
PROCAT2.setText("_____");
```

```
PRODQTY2.setFont(new java.awt.Font("Century Gothic", 0, 18)); // NOI18N
```

```
jLabel52.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```

```
jLabel52.setForeground(new java.awt.Color(255, 102, 0));
```

```
jLabel52.setText("Quantity");
```

```
Add2Btn.setBackground(new java.awt.Color(255, 102, 0));

Add2Btn.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N

Add2Btn.setForeground(new java.awt.Color(240, 240, 240));

Add2Btn.setText("ADD");

Add2Btn.setBorder(null);

Add2Btn.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));

Add2Btn.addMouseListener(new java.awt.event.MouseAdapter() {

    public void mouseClicked(java.awt.event.MouseEvent evt) {

        Add2BtnMouseClicked(evt);

    }

});
```

```
ClearBtn4.setBackground(new java.awt.Color(255, 102, 0));

ClearBtn4.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N

ClearBtn4.setForeground(new java.awt.Color(240, 240, 240));

ClearBtn4.setText("CLEAR");
```

```
ClearBtn4.setBorder(null);

ClearBtn4.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));

ClearBtn4.addMouseListener(new java.awt.event.MouseAdapter() {

    public void mouseClicked(java.awt.event.MouseEvent evt) {

        ClearBtn4MouseClicked(evt);

    }

});
```

```
ListDis.setColumns(20);
```

```
ListDis.setFont(new java.awt.Font("Century Gothic", 1, 14)); // NOI18N
```

```
ListDis.setForeground(new java.awt.Color(255, 102, 0));
```

```
ListDis.setRows(5);
```

```
jScrollPane10.setViewportViewView(ListDis);
```

```
jLabel51.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```

```
jLabel51.setForeground(new java.awt.Color(255, 102, 0));
```

```
jLabel51.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
```

```
jLabel51.setText("Summary of Dispatched Products");
```

```
jScrollPane9.setCursor(new  
java.awt.Cursor(java.awt.Cursor.DEFAULT_CURSOR));
```

```
jScrollPane9.setEnabled(false);
```

```
jScrollPane9.setFont(new java.awt.Font("Century Gothic", 0, 13)); // NOI18N
```

```
ProDisTbl.setFont(new java.awt.Font("Century Gothic", 0, 18)); // NOI18N
```

```
ProDisTbl.setCursor(new java.awt.Cursor(java.awt.Cursor.DEFAULT_CURSOR));
```

```
ProDisTbl.setIntercellSpacing(new java.awt.Dimension(0, 0));
```

```
ProDisTbl.setRowHeight(25);
```

```
ProDisTbl.setSelectionBackground(new java.awt.Color(225, 102, 0));
```

```
ProDisTbl.addMouseListener(new java.awt.event.MouseAdapter() {
```

```
    public void mouseClicked(java.awt.event.MouseEvent evt) {
```

```
        ProDisTblMouseClicked(evt);
```

```
    }
```

```
});
```

```
jScrollPane9.setViewportViewView(ProDisTbl);
```

```
FILCAT.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N
```

```
FILCAT.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
```

```
jLabel23.setFont(new java.awt.Font("Century Gothic", 1, 36)); // NOI18N
```

```
jLabel23.setForeground(new java.awt.Color(255, 102, 0));
```

```
jLabel23.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
```

```
jLabel23.setText("PRODUCT LIST");
```

```
SortBtn.setBackground(new java.awt.Color(255, 102, 0));
```

```
SortBtn.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N
```

```
SortBtn.setForeground(new java.awt.Color(240, 240, 240));
```

```
SortBtn.setText("SORT");
```

```
SortBtn.setBorder(null);
```

```
SortBtn.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));
```

```
SortBtn.addMouseListener(new java.awt.event.MouseAdapter() {
```

```
public void mouseClicked(java.awt.event.MouseEvent evt) {  
  
    SortBtnMouseClicked(evt);  
  
}  
  
});
```

```
jLabel50.setFont(new java.awt.Font("Century Gothic", 1, 18)); // NOI18N
```

```
jLabel50.setForeground(new java.awt.Color(255, 102, 0));
```

```
jLabel50.setText("Filter products by");
```

```
TotPr.setFont(new java.awt.Font("Century Gothic", 1, 24)); // NOI18N
```

```
TotPr.setForeground(new java.awt.Color(255, 102, 0));
```

```
TotPr.setHorizontalAlignment(javax.swing.SwingConstants.LEFT);
```

```
TotPr.setText("Total: ");
```

```
javax.swing.GroupLayout jPanel5Layout = new javax.swing.GroupLayout(jPanel5);
```

```
jPanel5.setLayout(jPanel5Layout);
```

```
jPanel5Layout.setHorizontalGroup(
```

```
jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
```

```
jPanel5Layout.createSequentialGroup())
```

```
.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
    .addGroup(jPanel5Layout.createSequentialGroup())
```

```
    .addGap(70, 70, 70)
```

```
.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
    .addComponent(jLabel58,
```

```
javax.swing.GroupLayout.PREFERRED_SIZE, 102,
```

```
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
    .addGroup(jPanel5Layout.createSequentialGroup())
```

```
    .addGap(40, 40, 40)
```

```
.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```



```
        .addComponent(jLabel59,  
javax.swing.GroupLayout.PREFERRED_SIZE, 284,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
        .addComponent(jLabel57,  
javax.swing.GroupLayout.PREFERRED_SIZE, 284,  
javax.swing.GroupLayout.PREFERRED_SIZE))))))
```

```
    .addGroup(jPanel5Layout.createSequentialGroup())
```

```
        .addGap(26, 26, 26)
```

```
    .addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
```

```
        .addComponent(jLabel55,  
javax.swing.GroupLayout.PREFERRED_SIZE, 111,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
        .addComponent(jLabel54, javax.swing.GroupLayout.DEFAULT_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
```

```
        .addComponent(jLabel53, javax.swing.GroupLayout.DEFAULT_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
```

```
        .addComponent(jLabel52, javax.swing.GroupLayout.DEFAULT_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
```

```
.addComponent(jLabel56))
```

```
.addGap(11, 11, 11)
```

```
.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
    .addComponent(PRODID2,  
        javax.swing.GroupLayout.PREFERRED_SIZE, 230,  
        javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
    .addComponent(PRODNAME2,  
        javax.swing.GroupLayout.PREFERRED_SIZE, 230,  
        javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
    .addComponent(PRODPRICE2,  
        javax.swing.GroupLayout.PREFERRED_SIZE, 230,  
        javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
    .addComponent(PROCAT2,  
        javax.swing.GroupLayout.PREFERRED_SIZE, 230,  
        javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
    .addComponent(PRODQTY2,  
        javax.swing.GroupLayout.PREFERRED_SIZE, 230,  
        javax.swing.GroupLayout.PREFERRED_SIZE)))
```

```
.addGroup(jPanel5Layout.createSequentialGroup()  
  
    .addGap(46, 46, 46)  
  
    .addComponent(Add2Btn,  
javax.swing.GroupLayout.PREFERRED_SIZE, 145,  
javax.swing.GroupLayout.PREFERRED_SIZE)  
  
    .addGap(31, 31, 31)  
  
    .addComponent(ClearBtn4,  
javax.swing.GroupLayout.PREFERRED_SIZE, 145,  
javax.swing.GroupLayout.PREFERRED_SIZE)))  
  
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,  
33, Short.MAX_VALUE)  
  
    .addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
  
        .addGroup(jPanel5Layout.createSequentialGroup()  
  
            .addGap(130, 130, 130)  
  
            .addComponent(jLabel51))
```

```
.addComponent(jScrollPane10,  
javax.swing.GroupLayout.PREFERRED_SIZE, 641,  
javax.swing.GroupLayout.PREFERRED_SIZE)  
  
.addGroup(jPanel5Layout.createSequentialGroup())  
  
.addGap(10, 10, 10)  
  
.addComponent(TotPr, javax.swing.GroupLayout.PREFERRED_SIZE,  
620, javax.swing.GroupLayout.PREFERRED_SIZE))  
  
.addGroup(jPanel5Layout.createSequentialGroup())  
  
.addGap(15, 15, 15)  
  
.addComponent(jLabel50,  
javax.swing.GroupLayout.PREFERRED_SIZE, 159,  
javax.swing.GroupLayout.PREFERRED_SIZE)  
  
.addGap(11, 11, 11)  
  
.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LE  
ADING)  
  
.addGroup(jPanel5Layout.createSequentialGroup())  
  
.addGap(9, 9, 9)  
  
.addComponent(jLabel23))
```

```
.addComponent(FILCAT,
javax.swing.GroupLayout.PREFERRED_SIZE, 320,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addGap(20, 20, 20)

.addComponent(SortBtn, javax.swing.GroupLayout.PREFERRED_SIZE,
85, javax.swing.GroupLayout.PREFERRED_SIZE))

.addComponent(jScrollPane9,
javax.swing.GroupLayout.PREFERRED_SIZE, 641,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addGap(37, 37, 37))

);

jPanel5Layout.setVerticalGroup(

jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel5Layout.createSequentialGroup())

.addGap(51, 51, 51)

.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
ADING)
```

```
.addGroup(jPanel5Layout.createSequentialGroup())
```

```
.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
.addGroup(jPanel5Layout.createSequentialGroup())
```

```
.addComponent(jLabel23)
```

```
.addGap(5, 5, 5)
```

```
.addComponent(FILCAT,  
javax.swing.GroupLayout.PREFERRED_SIZE, 31,  
javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
.addGroup(jPanel5Layout.createSequentialGroup())
```

```
.addGap(50, 50, 50)
```

```
.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
.addComponent(jLabel50,  
javax.swing.GroupLayout.PREFERRED_SIZE, 30,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
        .addComponent(SortBtn,  
javax.swing.GroupLayout.PREFERRED_SIZE, 32,  
javax.swing.GroupLayout.PREFERRED_SIZE))))
```

```
        .addGap(15, 15, 15)
```

```
        .addComponent(jScrollPane9,  
javax.swing.GroupLayout.PREFERRED_SIZE, 240,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
```

```
        .addComponent(jLabel51)
```

```
        .addGap(9, 9, 9)
```

```
        .addComponent(jScrollPane10,  
javax.swing.GroupLayout.PREFERRED_SIZE, 220,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
        .addGap(10, 10, 10)
```

```
        .addComponent(TotPr))
```

```
        .addGroup(jPanel5Layout.createSequentialGroup())
```

```
.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
.addComponent(jLabel59)
```

```
.addComponent(jLabel58,  
javax.swing.GroupLayout.PREFERRED_SIZE, 79,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
.addGroup(jPanel5Layout.createSequentialGroup())
```

```
.addGap(40, 40, 40)
```

```
.addComponent(jLabel57,  
javax.swing.GroupLayout.PREFERRED_SIZE, 37,  
javax.swing.GroupLayout.PREFERRED_SIZE)))
```

```
.addGap(75, 75, 75)
```

```
.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
.addGroup(jPanel5Layout.createSequentialGroup())
```

```
.addComponent(jLabel56,  
javax.swing.GroupLayout.PREFERRED_SIZE, 42,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```



```
.addGap(8, 8, 8)

.addComponent(jLabel55)

.addGap(10, 10, 10)

.addComponent(jLabel54,
javax.swing.GroupLayout.PREFERRED_SIZE, 40,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addGap(10, 10, 10)

.addComponent(jLabel53,
javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addGap(39, 39, 39)

.addComponent(jLabel52))

.addGroup(jPanel5Layout.createSequentialGroup())

.addComponent(PRODID2,
javax.swing.GroupLayout.PREFERRED_SIZE, 40,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addGap(10, 10, 10)

.addComponent(PRODNAME2)
```

```
.addGap(19, 19, 19)

.addComponent(PRODPRICE2)

.addGap(10, 10, 10)

.addComponent(PROCAT2,
javax.swing.GroupLayout.PREFERRED_SIZE, 40,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addGap(29, 29, 29)

.addComponent(PRODQTY2,
javax.swing.GroupLayout.PREFERRED_SIZE, 40,
javax.swing.GroupLayout.PREFERRED_SIZE)))

.addGap(68, 68, 68)

.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(Add2Btn,
javax.swing.GroupLayout.PREFERRED_SIZE, 47,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addComponent(ClearBtn4,
javax.swing.GroupLayout.PREFERRED_SIZE, 47,
javax.swing.GroupLayout.PREFERRED_SIZE))))
```

```
.addContainerGap(54, Short.MAX_VALUE))  
  
);
```

```
InterfacePane.addTab("Report", jPanel5);
```

```
getContentPane().add(InterfacePane, new  
org.netbeans.lib.awtextra.AbsoluteConstraints(180, -40, 1110, 780));
```

```
pack();
```

```
setLocationRelativeTo(null);
```

```
}// </editor-fold>
```

```
private void ProInvBtnMouseClicked(java.awt.event.MouseEvent evt) {
```

```
InterfacePane.setSelectedIndex(0);
```

```
SelTab.setSelectedIndex(0);
```

```
updatePROCombo();
```

```
updatePROCombo2();
```

```
}
```

```
private void MngCatBtnMouseClicked(java.awt.event.MouseEvent evt) {
```

```
    InterfacePane.setSelectedIndex(1);
```

```
    SelTab.setSelectedIndex(1);
```

```
    updatePROCombo();
```

```
    updatePROCombo2();
```

```
}
```

```
private void SRBtnMouseClicked(java.awt.event.MouseEvent evt) {
```

```
    InterfacePane.setSelectedIndex(2);
```

```
    SelTab.setSelectedIndex(2);
```

```
    updatePROCombo();
```

```
    updatePROCombo2();
```

```
}
```

```
private void LOutBtnMouseClicked(java.awt.event.MouseEvent evt) {
```

```
new LoginForm().setVisible(true);

this.dispose();

}
```

```
private void ProInvBtn4MouseClicked(java.awt.event.MouseEvent evt) {

    InterfacePane.setSelectedIndex(0);

    SelTab.setSelectedIndex(0);

    updatePROCombo();

    updatePROCombo2();

}
```

```
private void MngCatBtn4MouseClicked(java.awt.event.MouseEvent evt) {

    InterfacePane.setSelectedIndex(1);

    SelTab.setSelectedIndex(1);

    updatePROCombo();

    updatePROCombo2();

}
```

```
private void SRBtn4MouseClicked(java.awt.event.MouseEvent evt) {  
  
    InterfacePane.setSelectedIndex(2);  
  
    SelTab.setSelectedIndex(2);  
  
    updatePROCombo();  
  
    updatePROCombo2();  
  
}
```

```
private void LOutBtn4MouseClicked(java.awt.event.MouseEvent evt) {  
  
    new LoginForm().setVisible(true);  
  
    this.dispose();  
  
}
```

```
private void ProInvBtn5MouseClicked(java.awt.event.MouseEvent evt) {  
  
    InterfacePane.setSelectedIndex(0);  
  
    SelTab.setSelectedIndex(0);  
  
    ListDis.setText(" ");  
  
}
```

```
TotPr.setText(" ");

i=0;

}
```

```
private void MngCatBtn5MouseClicked(java.awt.event.MouseEvent evt) {

    InterfacePane.setSelectedIndex(1);

    SelTab.setSelectedIndex(1);

    ListDis.setText(" ");

    TotPr.setText(" ");

    i=0;

}
```

```
private void SRBtn5MouseClicked(java.awt.event.MouseEvent evt) {

    InterfacePane.setSelectedIndex(2);

    SelTab.setSelectedIndex(2);

    updatePROCombo();

    updatePROCombo2();

}
```

```
}
```

```
private void LOutBtn5MouseClicked(java.awt.event.MouseEvent evt) {
```

```
    new LoginForm().setVisible(true);
```

```
    this.dispose();
```

```
}
```

```
private void ProInvTblMouseClicked(java.awt.event.MouseEvent evt) {
```

```
    DefaultTableModel model = (DefaultTableModel)ProInvTbl.getModel();
```

```
    int Myindex = ProInvTbl.getSelectedRow();
```

```
    PRODID.setText(model.getValueAt(Myindex, 0).toString());
```

```
    PRODNAME.setText(model.getValueAt(Myindex, 1).toString());
```

```
    PRODQTY.setText(model.getValueAt(Myindex, 2).toString());
```

```
    PRODPRICE.setText(model.getValueAt(Myindex, 3).toString());
```

```
}
```

```
private void AddBtnMouseClicked(java.awt.event.MouseEvent evt) {
```



```

// TODO add your handling code here:

if
(PRODID.getText().isEmpty()||PRODNAME.getText().isEmpty()||PRODQTY.getText().is
Empty()||PRODPRICE.getText().isEmpty())

{

    JOptionPane.showMessageDialog (this, "Please complete product details!");

}

else{

    try {

        Con =
DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");

        PreparedStatement add = Con.prepareStatement("insert into PROINVTBL
values(?,?,?,?);");

        add.setInt(1, Integer.valueOf(PRODID.getText()));

        add.setString(2, PRODNAME.getText());

        add.setInt(3, Integer.valueOf(PRODQTY.getText()));

        add.setDouble(4, Double.valueOf(PRODPRICE.getText()));

        add.setString(5, PROCAT.getSelectedItem().toString());

```

```
int row = add.executeUpdate ();

JOptionPane.showMessageDialog (this, "Product Added Successfully");

Con.close();

SelectProdInv();

} catch (Exception e) {

    e.printStackTrace();

}

}

}
```

```
private void EditBtnMouseClicked(java.awt.event.MouseEvent evt) {

if(PRODID.getText().isEmpty()||PRODNAME.getText().isEmpty()||PRODQTY.getText().is
Empty()||PRODPRICE.getText().isEmpty())

{

    JOptionPane.showMessageDialog(this, "Update for Product Information is
Missing");

}
```

```

    }

    else{

        try{

            Con =
DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");

            String Query = "Update User1.PROINVTBL set PRODNAME=
"+"PRODNAME.getText()+""+", PRODQTY="+PRODQTY.getText()+", PRODPRICE=
"+"PRODPRICE.getText()+", PRODCAT=
"+"PROCAT.getSelectedItem().toString()+""+"where PRODID="+PRODID.getText();

            Statement Add = Con.createStatement();

            Add.executeUpdate(Query);

            SelectProdInv();

            JOptionPane.showMessageDialog(this, "Product Information has been
updated");

        } catch (SQLException e)

        {

            e.printStackTrace();

        }

```

```
}
```

```
}
```

```
private void RemoveBtnMouseClicked(java.awt.event.MouseEvent evt) {  
  
    if(PRODID.getText().isEmpty()  
  
    {  
  
        JOptionPane.showMessageDialog (this, "Select the product that will be  
removed");  
  
    }  
  
    else{  
  
        try{  
  
            Con =  
DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");  
  
            String ProID = PRODID.getText();  
  
            String Query = "Delete from User1.PROINVTBL where PRODID="+ProID;  
  
            Statement Add = Con.createStatement();  
  
            Add.executeUpdate(Query);
```

```
        SelectProdInv();

        JOptionPane.showMessageDialog(this, "The selected product has been
removed");

    } catch (Exception e)

    {

        e.printStackTrace();

    }

}

}
```

```
private void ClearBtnMouseClicked(java.awt.event.MouseEvent evt) {

    PRODID.setText("");

    PRODNAME.setText("");

    PRODQTY.setText("");

    PRODPRICE.setText("");

}
```

```
private void ClearBtn2MouseClicked(java.awt.event.MouseEvent evt) {
```

```
    CATID.setText("");
```

```
    CATNAME.setText("");
```

```
    CATDESC.setText("");
```

```
}
```

```
private void RemoveBtn2MouseClicked(java.awt.event.MouseEvent evt) {
```

```
    if(CATID.getText().isEmpty())
```

```
    {
```

```
        JOptionPane.showMessageDialog (this, "Select the category that will be  
removed");
```

```
    }
```

```
    else{
```

```
        try{
```

```
            Con =
```

```
            DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");
```

```
            String CateID = CATID.getText();
```

```

String Query = "Delete from User1.CATEGORYTBL where CATID="+CatelD;

Statement Add = Con.createStatement();

Add.executeUpdate(Query);

SelectCatList();

JOptionPane.showMessageDialog(this, "The selected category has been
removed successfully");

    } catch (Exception e)

    {

        e.printStackTrace();

    }

}

}

private void EditBtn2MouseClicked(java.awt.event.MouseEvent evt) {

    if(CATID.getText().isEmpty()||CATNAME.getText().isEmpty())

    {

```

```
JOptionPane.showMessageDialog(this, "Update Information of the Category is  
Missing");
```

```
}
```

```
else{
```

```
    try{
```

```
        Con =
```

```
        DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");
```

```
        String Query = "Update User1.CATEGORYTBL set CATNAME=  
        '"+CATNAME.getText()+"''+", CATDESC= '"+CATDESC.getText()+"''+"where  
        CATID='"+CATID.getText();
```

```
        Statement Add = Con.createStatement();
```

```
        Add.executeUpdate(Query);
```

```
        SelectCatList();
```

```
JOptionPane.showMessageDialog(this, "Selected Category has been  
updated");
```

```
    } catch (SQLException e)
```

```
{
```

```
        e.printStackTrace();
```



```
    }  
    }  
}
```

```
private void Add_BtnMouseClicked(java.awt.event.MouseEvent evt) {  
  
    // TODO add your handling code here:  
  
        // TODO add your handling code here:  
  
    if  
(CATID.getText().isEmpty()||CATNAME.getText().isEmpty()||CATDESC.getText().isEmpty()  
y()  
  
    {  
  
        JOptionPane.showMessageDialog (this, "Please complete the information  
needed!");  
  
    }  
  
    else{  
  
        try {  
  
            Con =  
DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");
```

```
PreparedStatement add = Con.prepareStatement("insert into CATEGORYTBL  
values(?,?,?)");
```

```
add.setInt(1, Integer.valueOf(CATID.getText()));
```

```
add.setString(2, CATNAME.getText());
```

```
add.setString(3, CATDESC.getText());
```

```
int row = add.executeUpdate ();
```

```
JOptionPane.showMessageDialog (this, "New Category Added  
Successfully");
```

```
Con.close();
```

```
SelectCatList();
```

```
} catch (Exception e) {
```

```
e.printStackTrace();
```

```
}
```

```
}
```

```
}
```

```
private void CATTBLMouseClicked(java.awt.event.MouseEvent evt) {
```

```
DefaultTableModel model = (DefaultTableModel)CATTBL.getModel();

int Myindex = CATTBL.getSelectedRow();

CATID.setText(model.getValueAt(Myindex, 0).toString());

CATNAME.setText(model.getValueAt(Myindex, 1).toString());

CATDESC.setText(model.getValueAt(Myindex, 2).toString());

}


private void CloseButton2MouseClicked(java.awt.event.MouseEvent evt) {

    new JExitForm().setVisible(true);

}


private void Add2BtnMouseClicked(java.awt.event.MouseEvent evt) {

    if (PRODNAME2.getText().isEmpty()||PRODQTY2.getText().isEmpty()){

        JOptionPane.showMessageDialog (this, "Please complete product details!");

    }

    else if (AvQty < Integer.valueOf(PRODQTY2.getText())){

        JOptionPane.showMessageDialog (this, "Not enough stocks for the product");

    }

}
```

```
}
```

```
else{
```

```
    TotPrice=UPrice * Integer.valueOf(PRODQTY2.getText());
```

```
    TotAmt=TotAmt+TotPrice;
```

```
    i++;
```

```
    if (i==1){
```

```
        try {
```

```
            Con =
```

```
DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");
```

```
            String Query = "Update User1.PROINVTBL set
```

```
PRODQTY=(PRODQTY-"+PRODQTY2.getText()+") where
```

```
PRODNAME='"+PRODNAME2.getText()+"'";
```

```
            Statement Add = Con.createStatement();
```

```
            Add.executeUpdate(Query);
```

```
            SelectProDis();
```

```
            //NewInv();
```

```
            java.util.Date utilDate = new Date();
```

```

java.sql.Date date = new java.sql.Date(utilDate.getTime());

if (PRODNAME2.getText().isEmpty()||PRODQTY2.getText().isEmpty()){

    JOptionPane.showMessageDialog(this, "Please indicate quantity.");

}

else{

    String Que= "select*from User1.INVREPTBL where
PRODID="+PRODID2.getText()+"and PURDATE='"+date+"'";

    try {

        Con =

DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");

        St = Con.createStatement();

        Rs = St.executeQuery(Que);

        if(Rs.next()){

            Con =

DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");

            String Q = "Update User1.INVREPTBL set
PRODQTY=(PRODQTY+"+PRODQTY2.getText()+") where
PRODNAME='"+PRODNAME2.getText()+" and PURDATE='"+date+"'";

```

```

Statement Ad = Con.createStatement();

Ad.executeUpdate(Q);

}

else{

    try {

        Con =

DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");

        PreparedStatement add = Con.prepareStatement("insert into
INVREPTBL values(?,?,?,?,?,?)");

        add.setInt(1, Integer.valueOf(PRODID2.getText()));

        add.setString(2, PRODCAT2.getText());

        add.setInt(3, Integer.valueOf(PRODQTY2.getText()));

        add.setDouble(4, (double) TotPrice);

        add.setString(5, PRODCAT2.getText());

        add.setDate(6, date);

        int row = add.executeUpdate ();

        Con.close();

```

```
} catch (Exception e) {
```

```
    e.printStackTrace();
```

```
}
```

```
}
```

```
}
```

```
catch(Exception e)
```

```
{
```

```
    e.printStackTrace();
```

```
}
```

```
}
```

```
} catch (Exception e) {
```

```
    e.printStackTrace();}
```

```
ListDis.setText(ListDis.getText()+"      PRODUCT      PRICE
```

```
QUANTITY      TOTAL\n"+i+"      "+PRODNAME2.getText()+"      "+UPrice+""
```

```
" "+PRODQTY2.getText()+"      "+TotPrice+"\n");
```

```
PRODID2.setText("");
```

```
PRODNAME2.setText("");
```

```

        PRODPRICE2.setText("");

        PROCAT2.setText("");

        PRODQTY2.setText("");

    }

    else {

        try {

            Con =

DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");

            String Query = "Update User1.PROINVTBL set
PRODQTY=(PRODQTY-"+PRODQTY2.getText()+") where
PRODNAME='"+PRODNAME2.getText()+"'";

            Statement Add = Con.createStatement();

            Add.executeUpdate(Query);

            SelectProDis();

            java.util.Date utilDate = new Date();

            java.sql.Date date = new java.sql.Date(utilDate.getTime());

            if (PRODNAME2.getText().isEmpty()||PRODQTY2.getText().isEmpty()){

```



```

        JOptionPane.showMessageDialog(this, "Please indicate quantity.");

    }

    else{

        String Que= "select*from User1.INVREPTBL where
PRODNAME='"+PRODNAME2.getText()+" and PRODID='"+PRODID2.getText();

        try {

            Con =

            DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");

            St = Con.createStatement();

            Rs = St.executeQuery(Que);

            if(Rs.next()){

                Con =

                DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");

                String Q = "Update User1.INVREPTBL set
PRODQTY=(PRODQTY+"+PRODQTY2.getText()+") where
PRODNAME='"+PRODNAME2.getText()+"''";

                Statement Ad = Con.createStatement();

                Ad.executeUpdate(Q);

```

```

    }

    else{

        try {

            Con =

DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");

            PreparedStatement add = Con.prepareStatement("insert into
INVREPTBL values(?,?,?,?,?,?)");

            add.setInt(1, Integer.valueOf(PRODID2.getText()));

            add.setString(2, PRODNAME2.getText());

            add.setInt(3, Integer.valueOf(PRODQTY2.getText()));

            add.setDouble(4, (double) TotPrice);

            add.setString(5, PROCAT2.getText());

            add.setDate(6, date);

            int row = add.executeUpdate ();

            Con.close();

        } catch (Exception e) {

            e.printStackTrace();

```

```

        }

    }

    } catch (Exception e) {

        e.printStackTrace();

        ListDis.setText(ListDis.getText()+i+"    "+PRODNAME2.getText()+"
"+UPrice+"    "+PRODQTY2.getText()+"    "+TotPrice+"\n");

    }

    PRODID2.setText("");

    PRODNAME2.setText("");

    PRODPRICE2.setText("");

    PROCAT2.setText("");

    PRODQTY2.setText("");

    TotPr.setText("Total: Php "+TotAmt);

    } catch (Exception e){

        e.printStackTrace();

    }}

}

```

```
int i=0;
```

```
double UPrice, TotPrice, TotAmt;
```

```
int AvQty;
```

```
private void ClearBtn4MouseClicked(java.awt.event.MouseEvent evt) {
```

```
    PRODID2.setText("");
```

```
    PRODDNAME2.setText("");
```

```
    PRODPRICE2.setText("");
```

```
    PROCAT2.setText("");
```

```
    PRODQTY2.setText("");
```

```
}
```

```
private void ProDisTblMouseClicked(java.awt.event.MouseEvent evt) {
```

```
    DefaultTableModel model = (DefaultTableModel)ProDisTbl.getModel();
```

```
    int Myindex = ProDisTbl.getSelectedRow();
```

```
    PRODID2.setText(model.getValueAt(Myindex, 0).toString());
```

```
    AvQty=Integer.valueOf(model.getValueAt(Myindex, 2).toString());
```

```
    UPrice=Double.valueOf(model.getValueAt(Myindex, 3).toString());
```

```
    PRODNAME2.setText(model.getValueAt(Myindex, 1).toString());

    //PRODQTY.setText(model.getValueAt(Myindex, 2).toString());

    PRODPRICE2.setText(model.getValueAt(Myindex, 3).toString());

    PROCAT2.setText(model.getValueAt(Myindex, 4).toString());

}
```

```
private void SortBtnMouseClicked(java.awt.event.MouseEvent evt) {

    try{

        Con =

        DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");

        St = Con.createStatement();

        Rs = St.executeQuery("Select * from User1.PROINVTBL where
        PRODCAT='"+FILCAT.getSelectedItem().toString()+"'");

        ProDisTbl.setModel(DbUtils.resultSetToTableModel(Rs));

    } catch (SQLException e)

    {

        e.printStackTrace();

    }

}
```

```
}
```

```
}
```

```
private void updatePROCombo2() {
```

```
    FILCAT.removeAllItems();
```

```
    try {
```

```
        Con =
```

```
        DriverManager.getConnection("jdbc:derby://localhost/ACDCInventory","User1","1234");
```

```
        St = Con.createStatement();
```

```
        Rs = St.executeQuery("Select CATNAME from User1.CATEGORYTBL");
```

```
        while (Rs.next()) {
```

```
            FILCAT.addItem(Rs.getString("CATNAME"));
```

```
        }
```

```
        Con.close();
```

```
    }catch(Exception e)
```

```
    {
```

```
}
```

```
}
```

```
/**
```

```
 * @param args the command line arguments
```

```
 */
```

```
public static void main(String args[]) {
```

```
    /* Set the Nimbus look and feel */
```

```
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional)
```

```
">
```

```
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look  
and feel.
```

```
    * For details see
```

```
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
```

```
 */
```

```
try {
```

```

        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {

        if ("Nimbus".equals(info.getName())) {

            javax.swing.UIManager.setLookAndFeel(info.getClassName());

            break;

        }

    }

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(InventoryClerkInterface.class.getName()).log(java.util
.logging.Level.SEVERE, null, ex);

    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(InventoryClerkInterface.class.getName()).log(java.util
.logging.Level.SEVERE, null, ex);

    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(InventoryClerkInterface.class.getName()).log(java.util
.logging.Level.SEVERE, null, ex);

```



```
} catch (javax.swing.UnsupportedLookAndFeelException ex) {
```

```
java.util.logging.Logger.getLogger(InventoryClerkInterface.class.getName()).log(java.util  
.logging.Level.SEVERE, null, ex);
```

```
}
```

```
//</editor-fold>
```

```
/* Create and display the form */
```

```
java.awt.EventQueue.invokeLater(new Runnable() {
```

```
    public void run() {
```

```
        new InventoryClerkInterface().setVisible(true);
```

```
    }
```

```
});
```

```
}
```

```
// Variables declaration - do not modify
```

```
private javax.swing.JButton Add2Btn;
```

```
private javax.swing.JButton AddBtn;  
  
private javax.swing.JButton Add_Btn;  
  
private javax.swing.JTextField CATDESC;  
  
private javax.swing.JTextField CATID;  
  
private javax.swing.JTextField CATNAME;  
  
private javax.swing.JTable CATTBL;  
  
private javax.swing.JButton ClearBtn;  
  
private javax.swing.JButton ClearBtn2;  
  
private javax.swing.JButton ClearBtn4;  
  
private javax.swing.JLabel CloseButton2;  
  
private javax.swing.JButton EditBtn;  
  
private javax.swing.JButton EditBtn2;  
  
private javax.swing.JComboBox FILCAT;  
  
private javax.swing.JTabbedPane InterfacePane;  
  
private javax.swing.JLabel LOutBtn;  
  
private javax.swing.JLabel LOutBtn4;  
  
private javax.swing.JLabel LOutBtn5;
```

```
private javax.swing.JTextArea ListDis;

private javax.swing.JLabel MngCatBtn;

private javax.swing.JLabel MngCatBtn4;

private javax.swing.JLabel MngCatBtn5;

private javax.swing.JComboBox PROCAT;

private javax.swing.JLabel PROCAT2;

private javax.swing.JTextField PRODID;

private javax.swing.JLabel PRODID2;

private javax.swing.JTextField PRODNAME;

private javax.swing.JLabel PRODNAME2;

private javax.swing.JTextField PRODPRICE;

private javax.swing.JLabel PRODPRICE2;

private javax.swing.JTextField PRODQTY;

private javax.swing.JTextField PRODQTY2;

private javax.swing.JTable ProDisTbl;

private javax.swing.JLabel ProInvBtn;

private javax.swing.JLabel ProInvBtn4;
```

private javax.swing.JLabel ProInvBtn5;

private javax.swing.JTable ProInvTbl;

private javax.swing.JButton RemoveBtn;

private javax.swing.JButton RemoveBtn2;

private javax.swing.JLabel SRBtn;

private javax.swing.JLabel SRBtn4;

private javax.swing.JLabel SRBtn5;

private javax.swing.JTabbedPane SelTab;

private javax.swing.JButton SortBtn;

private javax.swing.JLabel TotPr;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel10;

private javax.swing.JLabel jLabel11;

private javax.swing.JLabel jLabel12;

private javax.swing.JLabel jLabel13;

private javax.swing.JLabel jLabel14;

private javax.swing.JLabel jLabel15;

```
private javax.swing.JLabel jLabel16;
```

```
private javax.swing.JLabel jLabel17;
```

```
private javax.swing.JLabel jLabel18;
```

```
private javax.swing.JLabel jLabel19;
```

```
private javax.swing.JLabel jLabel2;
```

```
private javax.swing.JLabel jLabel20;
```

```
private javax.swing.JLabel jLabel21;
```

```
private javax.swing.JLabel jLabel22;
```

```
private javax.swing.JLabel jLabel23;
```

```
private javax.swing.JLabel jLabel27;
```

```
private javax.swing.JLabel jLabel28;
```

```
private javax.swing.JLabel jLabel3;
```

```
private javax.swing.JLabel jLabel4;
```

```
private javax.swing.JLabel jLabel5;
```

```
private javax.swing.JLabel jLabel50;
```

```
private javax.swing.JLabel jLabel51;
```

```
private javax.swing.JLabel jLabel52;
```

```
private javax.swing.JLabel jLabel53;
```

```
private javax.swing.JLabel jLabel54;
```

```
private javax.swing.JLabel jLabel55;
```

```
private javax.swing.JLabel jLabel56;
```

```
private javax.swing.JLabel jLabel57;
```

```
private javax.swing.JLabel jLabel58;
```

```
private javax.swing.JLabel jLabel59;
```

```
private javax.swing.JLabel jLabel6;
```

```
private javax.swing.JLabel jLabel7;
```

```
private javax.swing.JLabel jLabel8;
```

```
private javax.swing.JLabel jLabel9;
```

```
private javax.swing.JPanel jPanel13;
```

```
private javax.swing.JPanel jPanel14;
```

```
private javax.swing.JPanel jPanel2;
```

```
private javax.swing.JPanel jPanel4;
```

```
private javax.swing.JPanel jPanel5;
```

```
private javax.swing.JPanel jPanel6;
```

```
private javax.swing.JScrollPane jScrollPane1;
```

```
private javax.swing.JScrollPane jScrollPane10;
```

```
private javax.swing.JScrollPane jScrollPane3;
```

```
private javax.swing.JScrollPane jScrollPane9;
```

```
// End of variables declaration
```

```
}
```