

System Development of Daisy Management System

About:

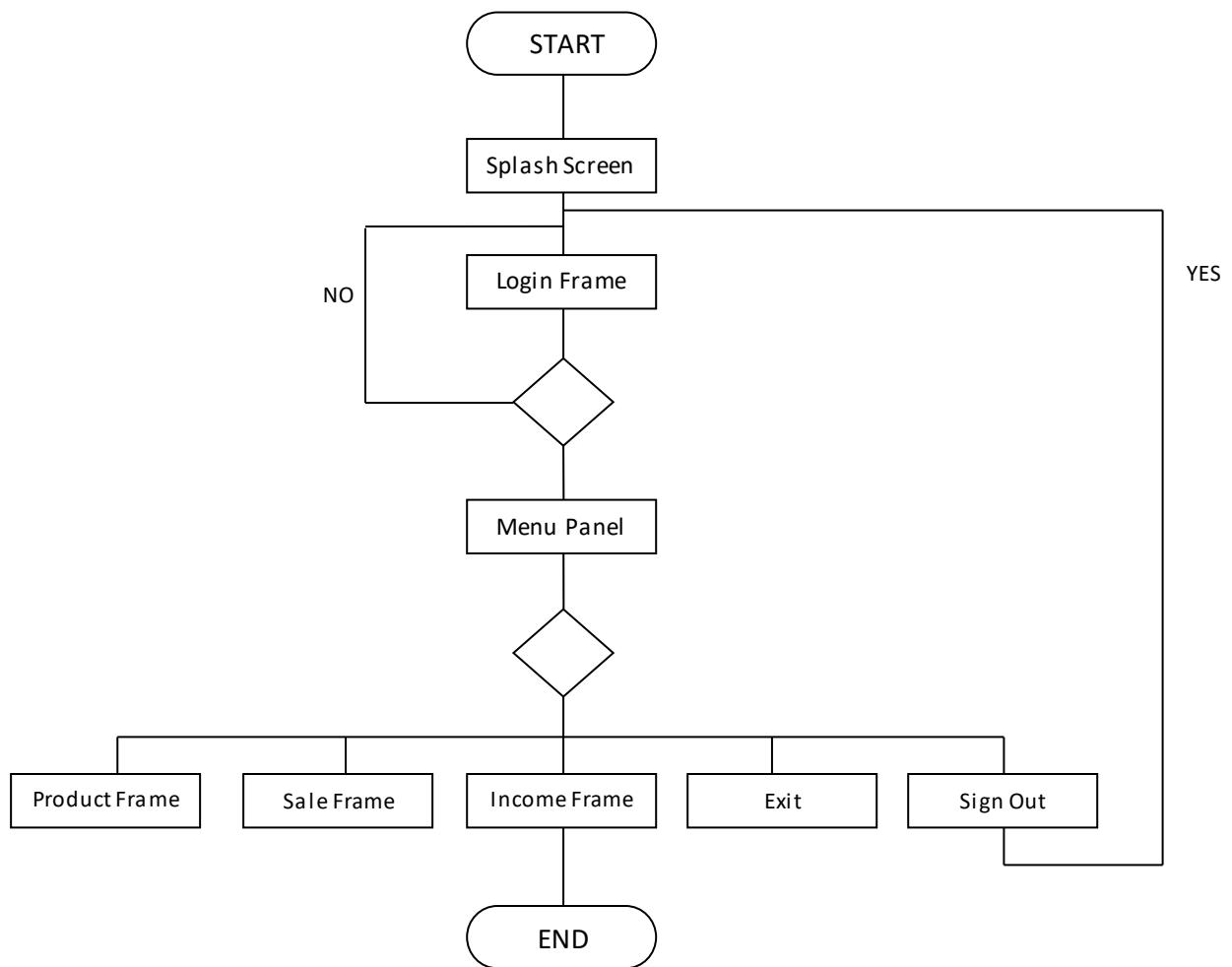
This project is dedicated mainly to Home-Stores, OnlineShops, and Mini-Marts. An inventory for many products that you can easily manage.

Features:

1. **Security:**
You have to login to the system in order to use.
2. **Easily Managable:**
You can easily manage: insert, update or delete the products just by clicking a button.
3. **Easy to use**
4. **Stored your incomes:**
This software stored your daily and monthly incomes. It also has a chart to see all of your awesome progress day by day.
5. **Lifetime-Access:**
Pay once and you can use it for a lifetime.
6. **Complete Instructions:**
It has a builtin instructions for the entire system.
7. **Small amount of memory usage:**
This entire software is less than 300MB.

Cons:

1. *Do not have a printing feature yet*
2. *It's only version 1.0*
3. *Do not have a report or invoice printing feature yet*
4. *Being easy to use makes some features not appliable*
5. *Do not have a yearly income feature yet*
6. *Only for windows (Although it can be changed by using the original jar file)*

System Design:*System Development of the Daisy Inventory Management System*

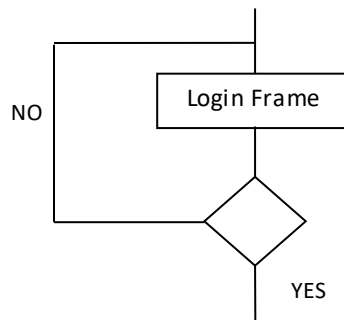
Algorithms:

1. *START*
2. *SPLASH SCREEN*
3. *LOGIN FORM*
 - a. *IF (SIGN IN) MENU PANEL*
 - b. *IF (!SIGN IN) LOGIN FORM*
4. *MENU FORM*
 - CASE 1: PRODUCT MANAGEMENT FRAME*
 - CASE 2: SALE MANAGEMENT FRAME*
 - CASE 3: INCOME FRAME*
 - CASE 4: EXIT*
 - CASE 5: SIGN OUT*
5. *END*

Algorithms of the Daisy Inventory Management System

Splash Screen:

It's just like a loading screen for the software. Not that really important.

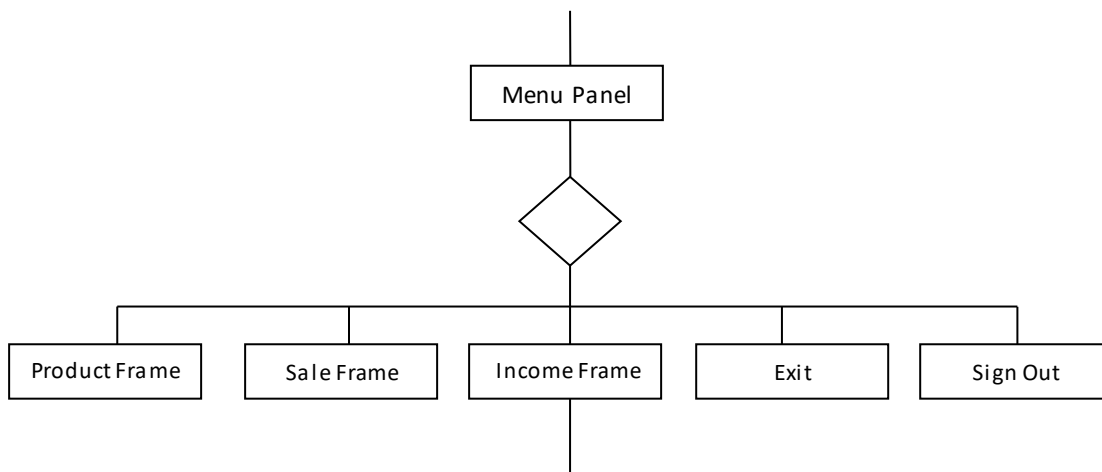
Login Frame:

Flowchart of the Login Frame

This is the second frame after the Splash Screen. You have to Sign In your Username and Password in order to use the software. It won't let you in if you enter your Username or Password wrong.

Menu Panel:

Although it is described as a Menu Frame in the System Design, it is actually a Panel embedded in a Login Frame. After signing in, animation will trigger and pull up this MenuPanel.



Flowchart of the Menu Panel

After the Menu Panel, user can choose where to go. It has 5 options: Products Frame, Sales Frame, Income Frame, Exit, and Sign Out.

Products Frame:

Product frame is all about managing your products, i.e insert, update or deleting. This frame is connecting to the Product Table in the database.

- Insert:** **User can insert the products into the database and check it out later.**
- Update:** **User can update the existing data from the database.**
- Delete:** **User can delete the data from the database.**
- Show:** **Show all the data from the database to the Table.**
- Clear:** **Clear all the textfields, chart, and the table.**
- Menu:** **To go back to the Menu Panel.**

About the Chart:

By clicking a data from the table, you can check out its chart. It has 3 parts: stored, instock, and sold.

About the Product Table in Database:

The product table is made out of 7 columns: ID, Name, Type, Price, Stored, Instock, and Sold.

Sales Frame:

The sales frame is to sell the products. It'll automatically subtract the quantity of the particular product that you sold from the instock and add it to the sold. By this way, you can clearly check out the products which has a higher sales rate. This frame is also connecting to the Product Table and to the Income Table.

- Sell:** **Sell the particular products that you've selected from the table, calculate and print out the total cost, and ask for the payment.**
- Show:** **Show all the data from the database to the Table.**
- Clear:** **Clear all the textfields, and the Table.**
- Save Incomes:** **Save all the incomes after selling the products.**

Income Frame:

The income frame is to check out all the incomes both daily and monthly. This frame is connecting to the Income Table. After selling the products, the incomes are saved to the Income Table. By using this table, it calculates all the values and print out the chart for daily and monthly respectively. It also has two tables to check out the daily and monthly incomes. By using the monthly income, you can calculate the profit depending on your expenses.

Calculate Profit: ***To calculate the profit depending on your expenses and monthly income.***

Menu: ***To go back to the MenuPanel.***

These are all the major frames of this software. All of these working together to make a well-performed program. There are some buttons in the MenuPanel which weren't described above. Those are: AboutFrame, HelpFrame, Exit Button, and Sign Out Button.

About Frame: ***A frame that described about this software. (i.e the developer, versions, etc).***

Help Frame: ***A frame to help the user. It has all the instructions to this software.***

Exit Button: ***To exit this software.***

Sign Out Button: ***To sign out from the current user.***

Technologies:

As for the technologies, this whole software is written in Core JAVA. And use Access Database.

All about the Database:

As for the database, it uses 3 tables: Daily Income, Monthly Income, and Product Table.

Daily Income Table:

As for the daily income table it has 3 columns: ID, Date, and Income.

Monthly Income Table:

For the monthly income, it also has 3 columns: ID, Month, and Income.

Product Table:

Finally, the product table, it has 7 columns: ID, Name, Type, Price, Stored, Instock, and Sold.

End of System Development of Daisy Management System:

As for the conclusion, the Daisy Management System is a well-rounded software optimizing for the Home-Shops, Mini-Marts, and OnlineShops. Every aspects of this software were written by Developer AungKyaw Phyto, including all the System Designs.