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Programming II	Youssef Adel-2206173
Super Market System	Youssef Salah-22010442

-About this project:

Our team was formed and voted to implement a supermarket system out of three available systems.

In this project we take all we learned in this course and apply it with some innovation and craftsmanship to achieve not only a well-made and presentable system, but also a thought through one.

-About the project capabilities:

In this system, you can sign up and login as either a staff member or a client looking to buy some products, you can also add stock to products, our sign-up system stores the user data in both an excel sheet and a serialized array list, once you sign up you can login, there you can see the password field, not only does this project offer an innovative window to system development, it also offers security thus the password is hashed and compared to the password hash created on signup.

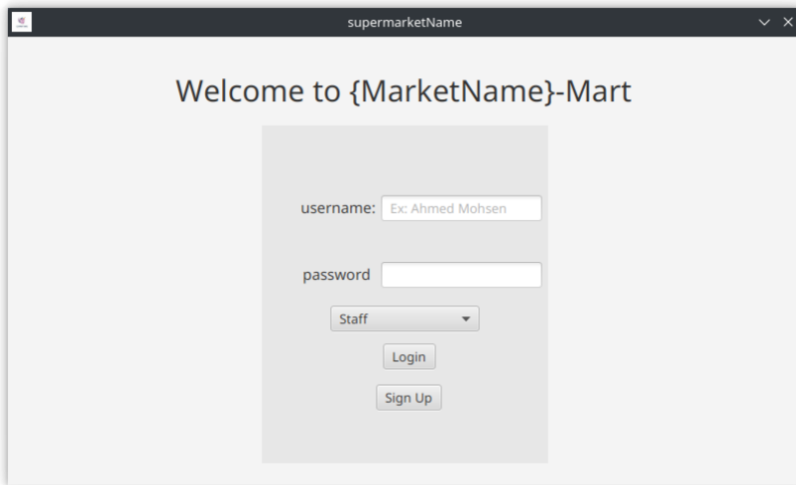
-About the project structure:

This project uses a mix of all object-oriented concepts and applies them in a real-life situation, better visualizing how everyday concepts and things can be represented using classes and objects and storing them in such forms, this project also uses many algorithms, from easy to complex, this project offers a variety of applications in the programming field.

Super Market project

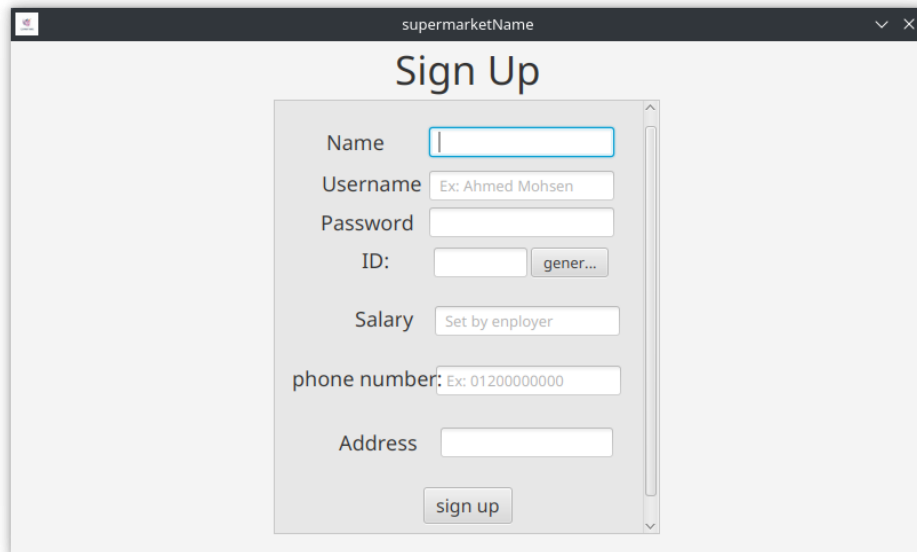
-Signing up:

When you run the program for the first time you need to create an account, head to the login page:



The screenshot shows a window titled "supermarketName" with a login form. The form has a title "Welcome to {MarketName}-Mart". It contains fields for "username:" (with a placeholder "Ex: Ahmed Mohsen"), "password", a role dropdown menu (currently set to "Staff"), and two buttons: "Login" and "Sign Up".

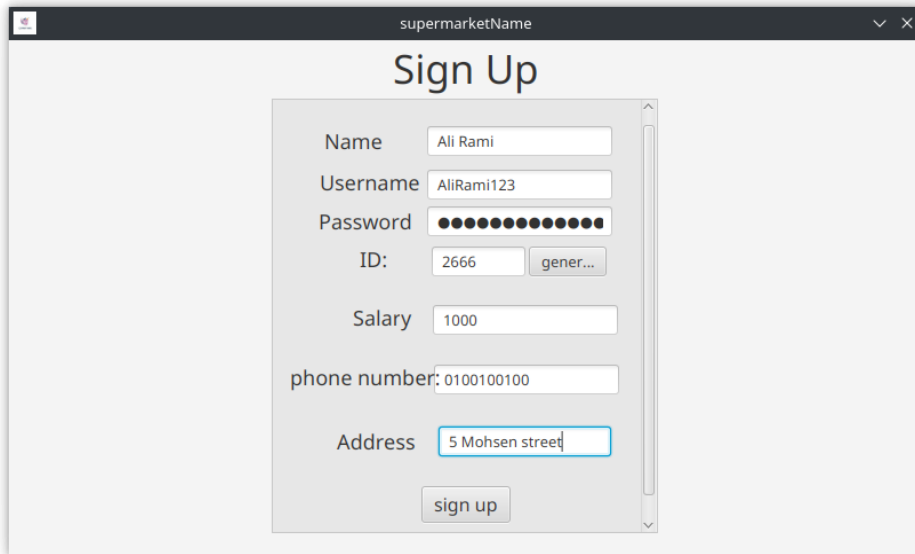
And then choose account type and click on signup:



The screenshot shows a window titled "supermarketName" with a "Sign Up" form. The form includes fields for "Name", "Username" (placeholder: "Ex: Ahmed Mohsen"), "Password", "ID:" (with a "gener..." button), "Salary" (placeholder: "Set by employer"), "phone number:" (placeholder: "Ex: 01200000000"), and "Address". A "sign up" button is at the bottom.

In the real world, only the employer can create a staff account as you are required to enter a salary, enter the required data and press sign up:

Super Market project

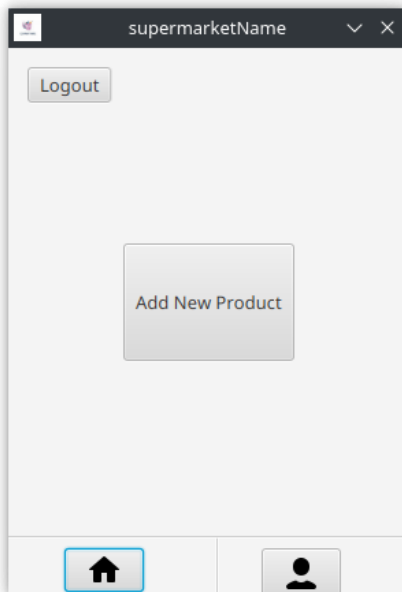


The image shows a web browser window with the title 'supermarketName'. The main heading is 'Sign Up'. Below the heading is a form with the following fields and values:

- Name: Ali Rami
- Username: AliRami123
- Password: (masked with dots)
- ID: 2666 (with a 'gener...' button next to it)
- Salary: 1000
- phone number: 0100100100
- Address: 5 Mohsen street

At the bottom of the form is a 'sign up' button.

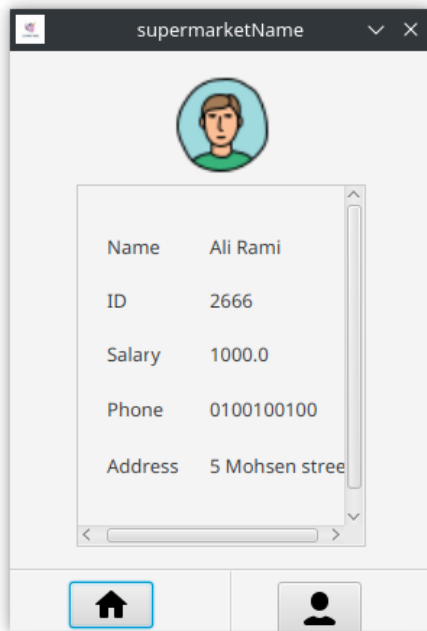
Now you will be redirected to the login page, login and the staff screen will appear:



The image shows a web browser window with the title 'supermarketName'. The screen displays a 'Logout' button at the top left. In the center, there is a button labeled 'Add New Product'. At the bottom, there is a navigation bar with two icons: a home icon (highlighted with a blue border) and a user profile icon.

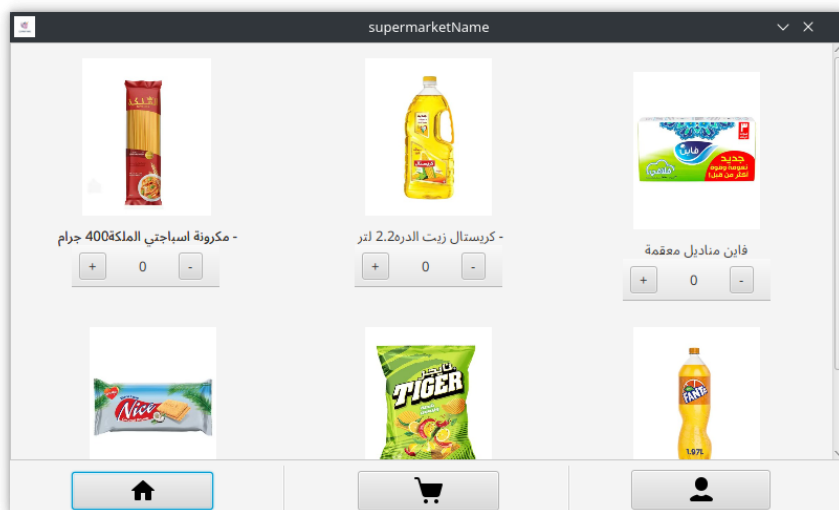
As a staff member you can add products that arrived on the system, if you wish to check out the staff info you can head to the profile section:

Super Market project



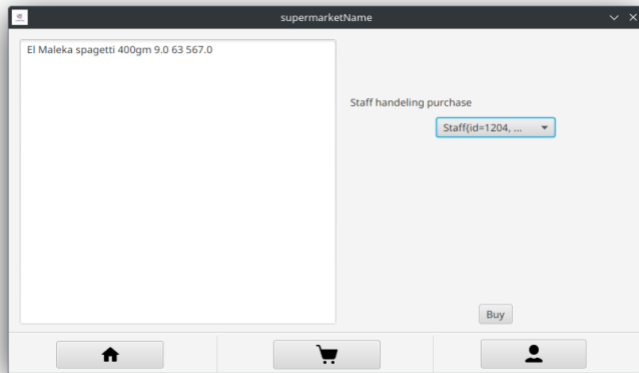
-Client

On the other hand, if you logged in as a client you will get the products homepage where you can see a variety of products:

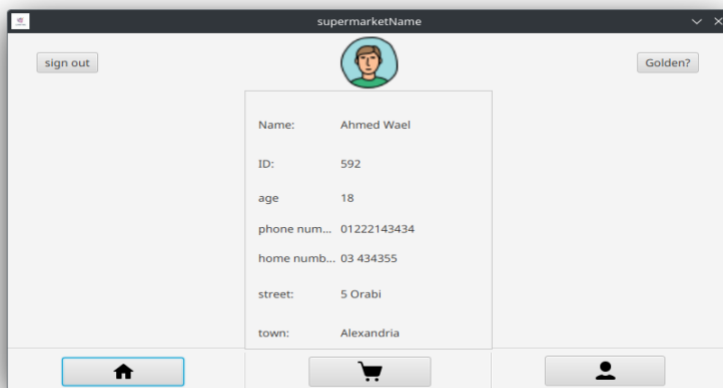


Super Market project

Head to the shopping cart where you can checkout and acquire all your favourite products



After that you can check out your profile:



Think you might be a lucky golden client? Then press and check, and if you are eligible, you get promoted to a golden client, you get many perks, like getting discounts whenever it's your birthday or buy your favourite product and much more.

Check the project out on GitHub:

