INTRODUCTION

This java desktop application provides to the user keeping track of product and it's stocks. Main goal of the program to sale products those are in the user inventory. Also owner of the program can create profiles for his/her customers. Indeed, this program provides to analyse each customer.

MAIN SCREEN

- Add to Shopping List
- Add Quantity
- Change Quantity
- Change VAT
- <u>Drop Product from Shopping Basket</u>
- <u>Product Packages Defination</u>
- <u>Clear Button</u>
- Enter Cash
- Search a Product
- Select a Customer
- Payment and Print Order List

PRODUCT SCREEN

- Create New Product
- Edit Product
- <u>Cancel Editing</u>
- <u>Define Product Package</u>
- Delete Product
- Search Product

CUSTOMER SCREEN

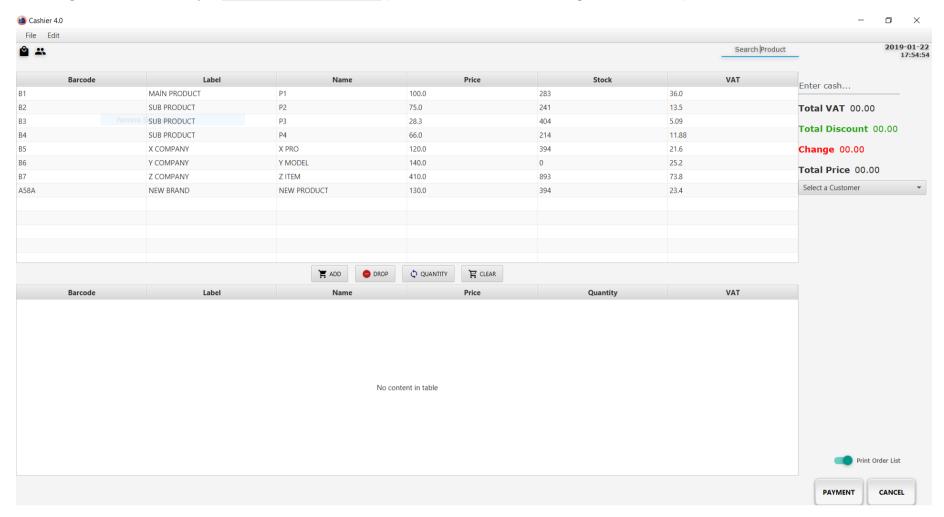
- <u>Create New Customer</u>
- Edit Customer
- <u>Delete Customer</u>
- Search Product
- Analyisis of Customer

MAIN SCREEN

On the top table user can see all products in the inventory.

The below table is customer's **shopping basket.**

On the right side there are vary of information about the sale (Total VAT, Total Discount, Change and Total Price).

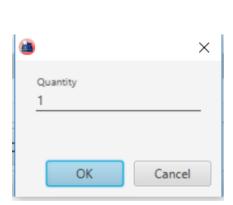


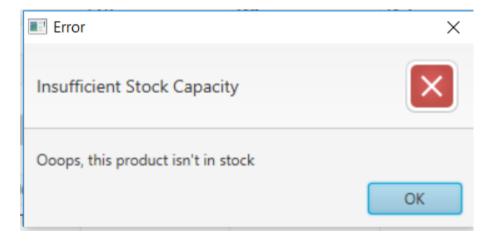
Products can be added into to he inventory by following these two steps two different ways.

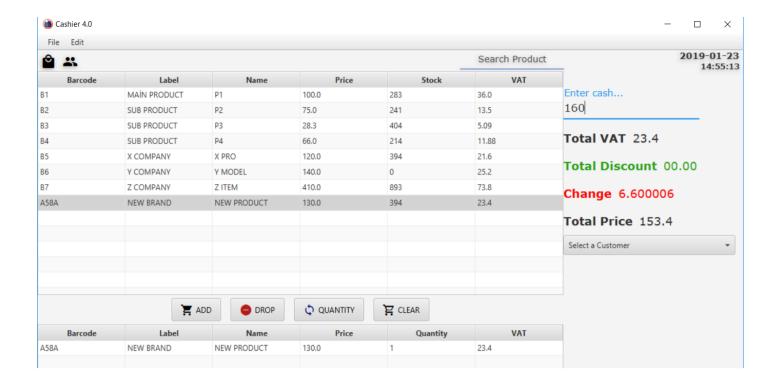
After selecting a product the user should **click on** button <u>or</u> **right click** on a product and click **Add to Shopping List** choice.

B7	Z COMPANY		410.0	893	73.8	-
A58A	NEW BRAND	NEW PRODUCT	130.0	394	23.4	
	Add to Shopping List					

After following those steps the user will encounter with **Quantity** screen. This screen allows the user to enter quantity of desired product If desired quantity is **out of stock capacity** then this product will not be added into the shopping basket.

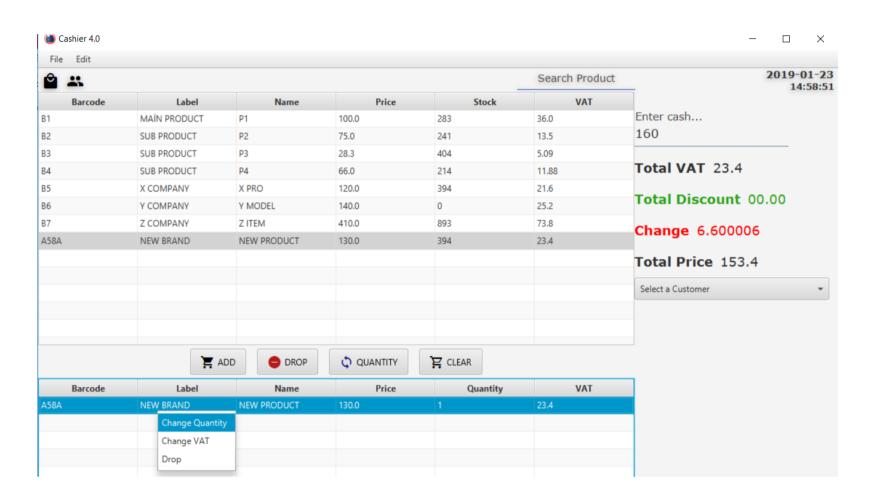






After added products into the shopping basket, the program will calculate total price and vat according to content of shopping basket.

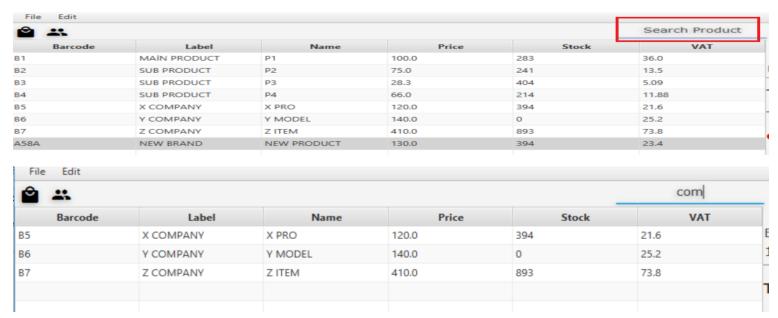
- -Total Price calculating product price + product vat.
- -If the user enter cash that the customer give it to pay then the program will calculate how much user should give it back (change) to the customer.



If the user will enter wrong quantity or if the user desire to Change Quantity or interested product by right clicking on that product or after

selected that product user can use those buttons or to delete product from the shopping basket.

Search field provides to the user find desired product quickly.





By clicking Clear Button all products that are in the shopping basket can be deleted.

There are also **product packages**. Product packages force to customer to buy all necessary products(defined by the user) with the main product. (Following part you can find how to create product packages).

Example:

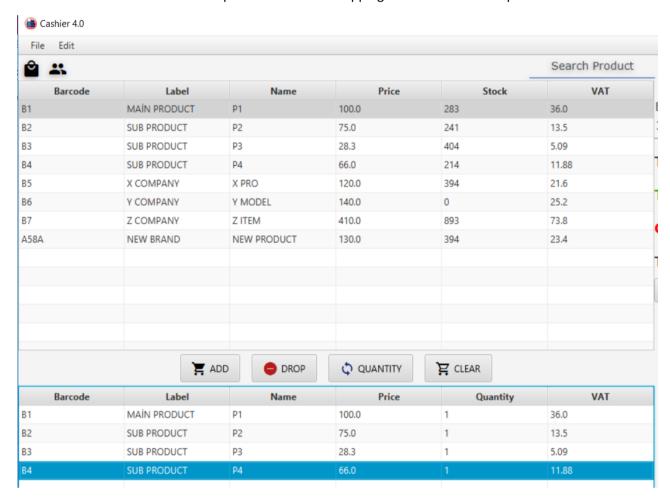
Led Signboard (Main Product) Price \$20

- 3 Quantity Red Led Panel (32x16) 20\$ (Sub Product)
- 10 meters Cat-5 Cable Price 7\$ (Sub Product)

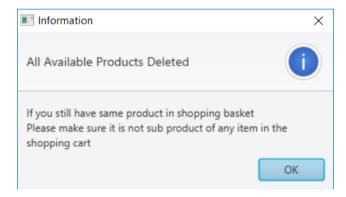
Total Price of the product will be calculated 20+20+7 = 47\$

In this vat assumed as 0\$.

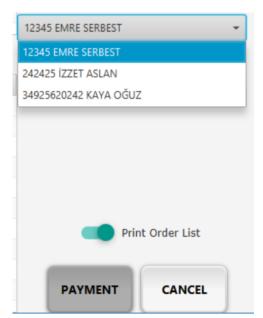
If the user wants to add that main products into the shopping basket then it's sub products will be added automatically into the shopping basket.



User will <u>not</u> be able to <u>delete</u> those sub products from the shopping basket **if** the main product is still in the shopping basket. -Sub products can be added by itself and can be deleted from the shopping basket if it did not come with the main product



Before finish the sale the user should **select a customer** information from the right side of the program if the customer profile created before.

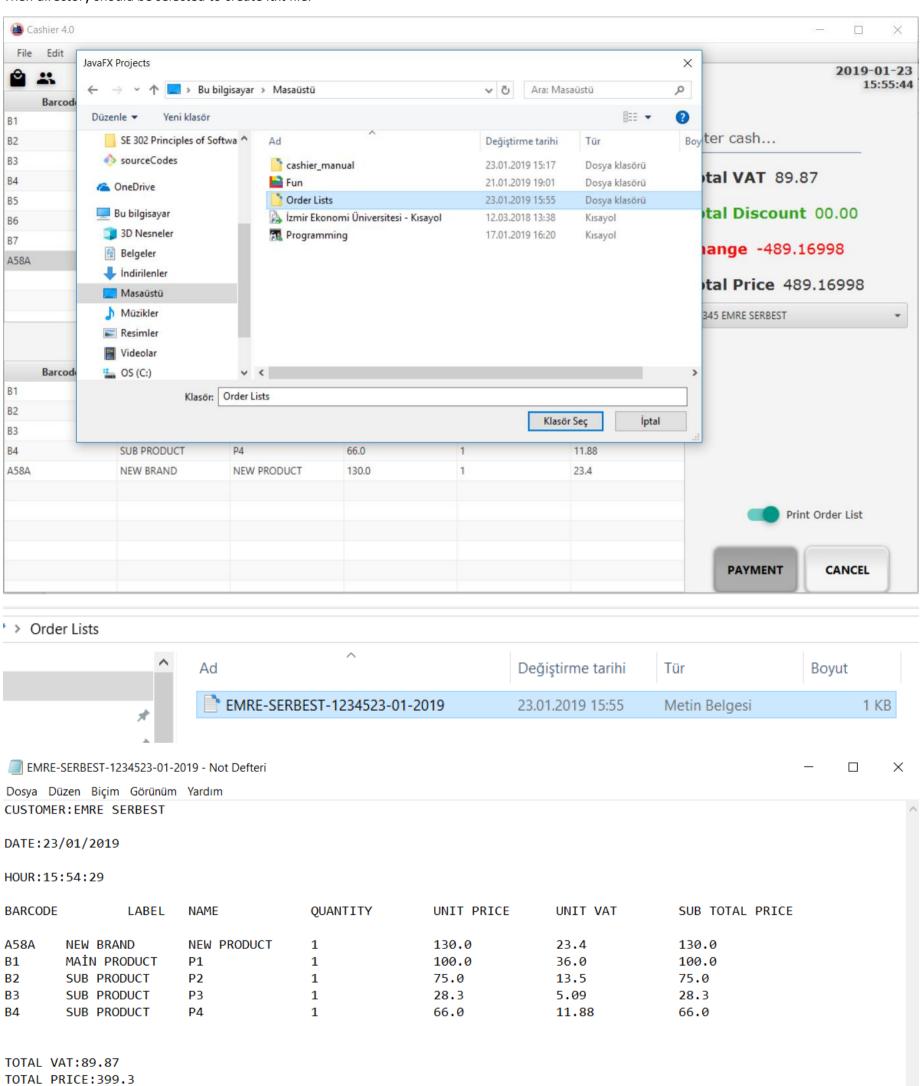


To finish the shopping click on button. If the user wants to print order details onto .txt files the user should make sure that button must stay

Print Order List

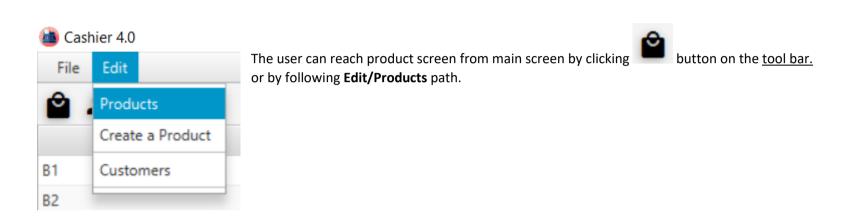
Then directory should be selected to create .txt file.

like this.

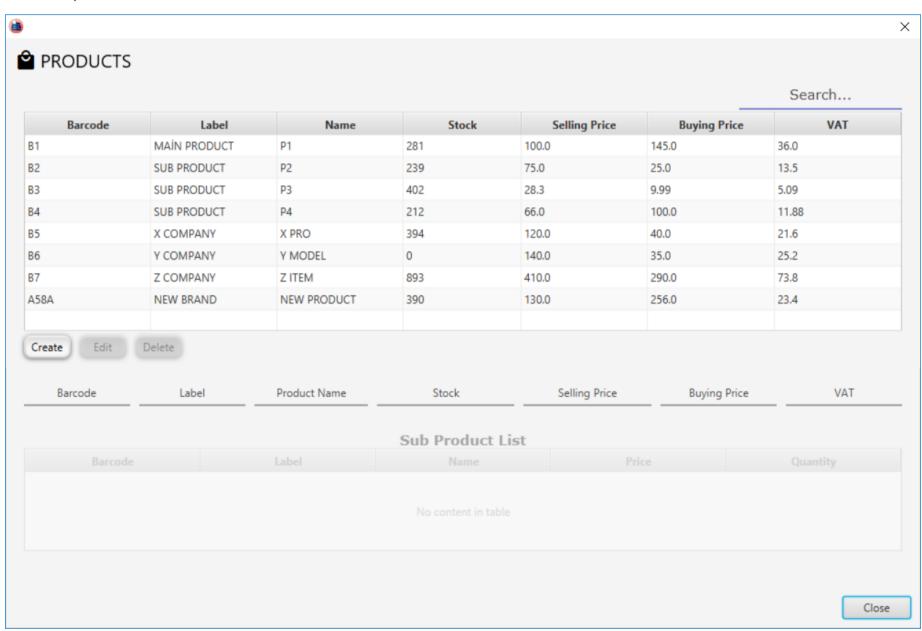


PRODUCT SCREEN

- Create New Product
- Edit Product
- Cancel Editing
- Define Product Package
- Delete Product
- Search Product



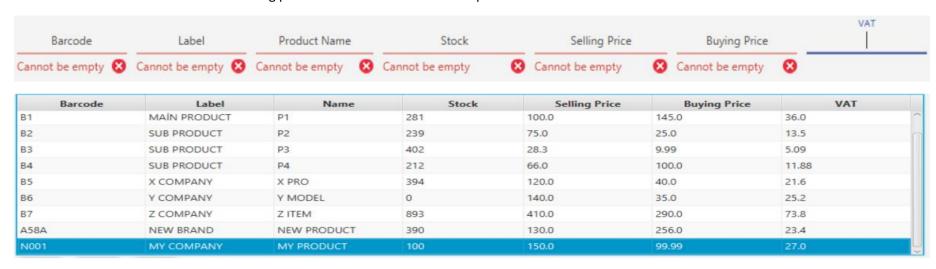
Here is the products screen.



After filled up required fields the user can create new product.



VAT field will be calculated as %18 of selling price if the user doesn not fill it up.



To Edit a product the user must select interested product on the products table then should click on edit button

Then user can change any defined information in the past. After changed necessary information the user must click <u>Update button</u>.



Update

Or the user may **Cancel** editing process by clicking <u>Cancel Button</u>.

To define product package the user should select a product that wants be defined as a main product after that click on edit button.

Cancel

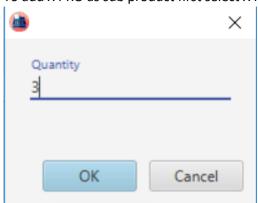
Barcode	Label	Name	Stock	Selling Price	Buying Price	VAT
1	MAİN PRODUCT	P1	281	100.0	145.0	36.0
2	SUB PRODUCT	P2	239	75.0	25.0	13.5
3	SUB PRODUCT	P3	402	28.3	9.99	5.09
4	SUB PRODUCT	P4	212	66.0	100.0	11.88
5	X COMPANY	X PRO	394	120.0	40.0	21.6
6	Y COMPANY	Y MODEL	0	140.0	35.0	25.2
37	Z COMPANY	Z ITEM	893	410.0	290.0	73.8
A58A	NEW BRAND	NEW PRODUCT	390	130.0	256.0	23.4
N001	MY COMPANY	MY PRODUCT	100	150.0	99.99	27.0
Create Edit	Delete	+ ?	-			Cancel Upda
Barcode	Label	Product Name	Stock	Selling Price	Buying Price	VAT
N001	MY COMPANY	MY PRODUCT	100	150.0	99.99	27.0
		MY COMPAN	NY MY PRODUCT	Sub Products Lis	st	
			Label Name			

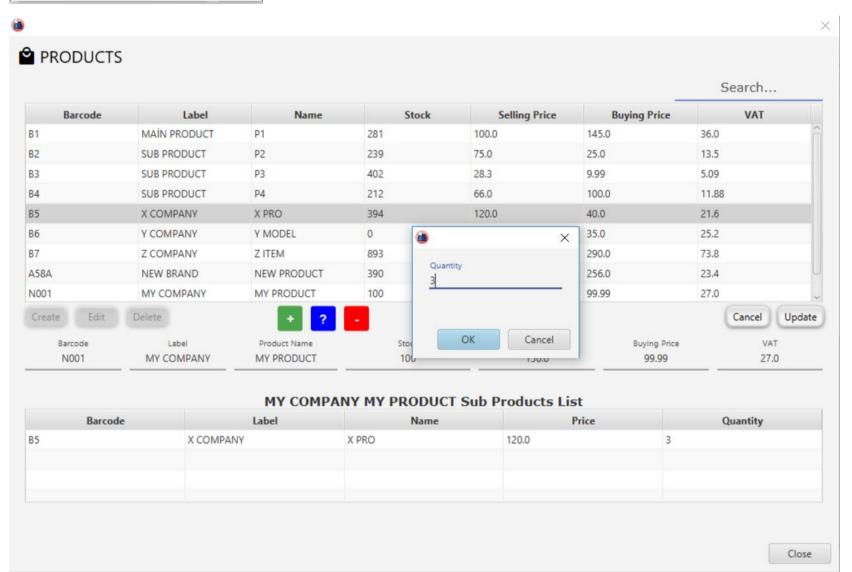
After clicking on edit button buttons will be activated. Now editing mode is on and while editing mode is on the user can define any product (apart from editing product –main product-) as a sub product of editing product.

To define a product as a sub product the user must select a product on top table.

In this example our <u>main product's</u> (editing product) name is <u>MY PRODUCT</u> and we are going to define X PRO as <u>sub product.</u>

To add X PRO as sub product first select X PRO and then click on button then enter desired quantity here.

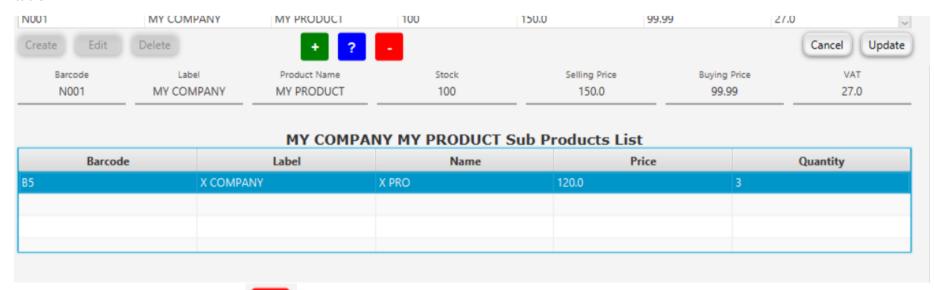




Now X PRO is sub product of MY PRODUCT if we click on update button.

The user is able to define sub products as many as desired.

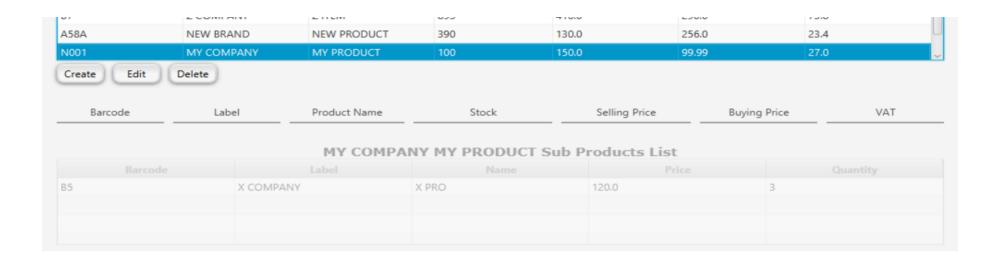
button is provides to change quantity of sub products. To change quantity of sub product the user must select the desired sub product below table.



To delete defined sub product click on button after selecting that product.

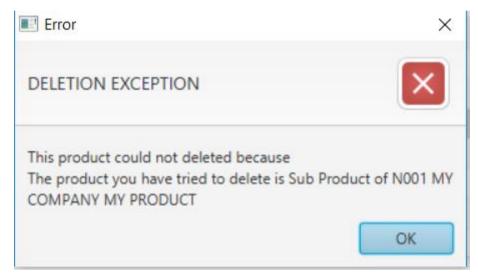
After click on update button that product package will be defined.

Now you can see my product is a main product and has sub product(X PRO).



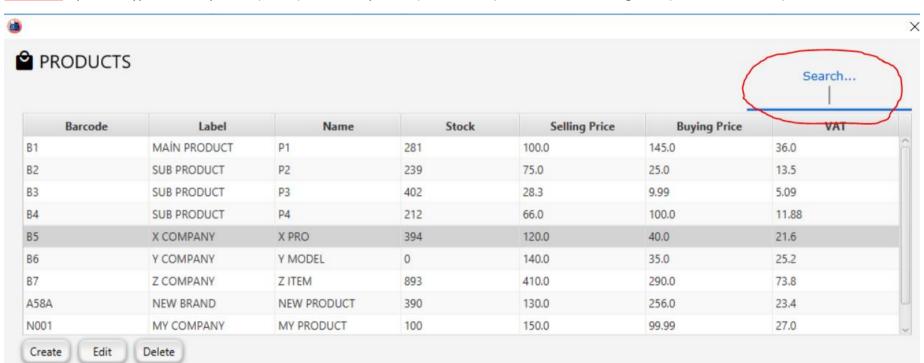
<u>To delete a product</u> the user must select interested product on the top Products table then by clicking on the product. If selected product is a sub product of any product then the user will get an error.

Delete delete button the user can delete



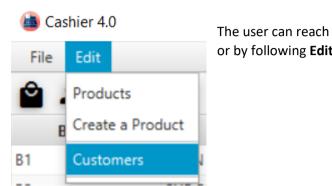
<u>Sub products</u> cannot be deleted. If the user wants to delete sub product then the user must update it's main product's sub products list and delete the interested product from sub products list.

To search a product type name of product(X PRO) or label of product(X COMPANY) or label and name together (Y COMPANY XPRO) on the search field.



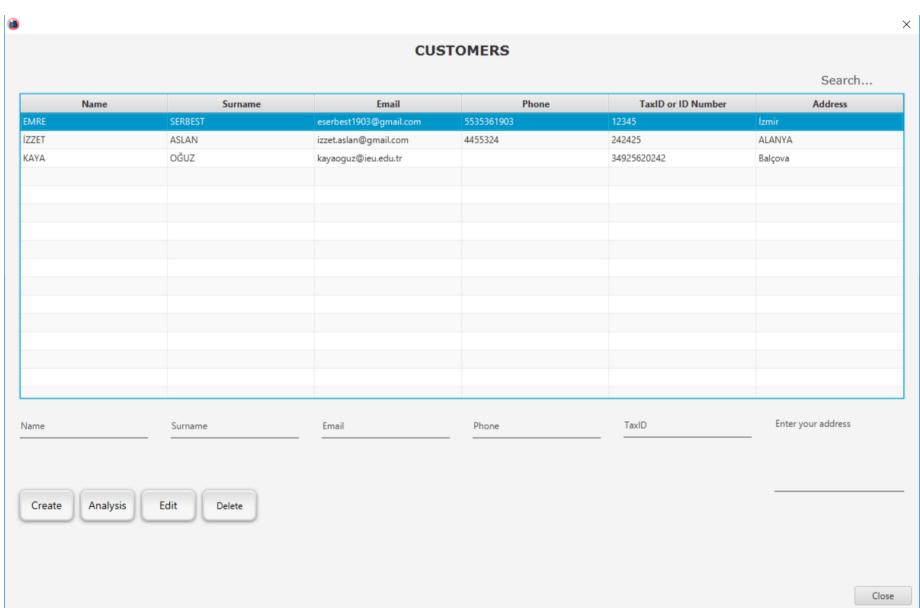
CUSTOMER SCREEN

- Create New Customer
- Edit Customer
- Delete Customer
- Search Product
- Analyisis of Customer

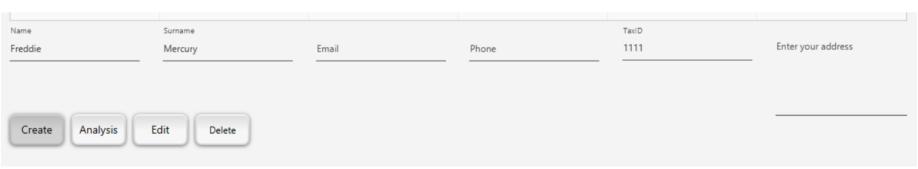


The user can reach **customer screen** from main screen by clicking button on the <u>tool bar.</u> or by following **Edit/Customers** path.

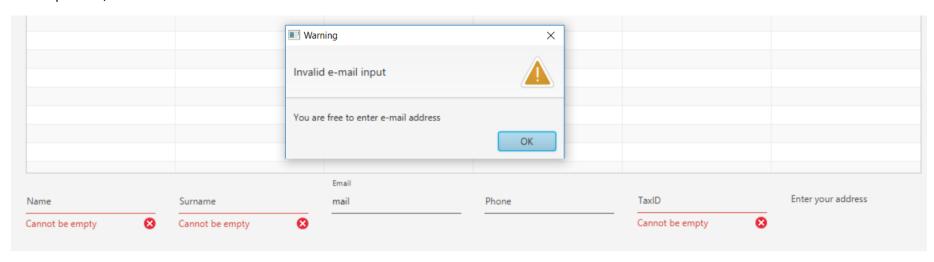
Here is Customer Screen.



After filled up required fields the user can create new customer.



To fill up E-mail, Phone and Address fields are not must!



If the user enter a text into e-mail field then e-mail structure must be vaild! Example: mailaddress@outlook.com

CUSTOMERS							
Name	Surname	Email	Phone	TaxID or ID Number	Address		
EMRE	SERBEST	eserbest 1903@gmail.com	5535361903	12345	İzmir		
İZZET	ASLAN	izzet.aslan@gmail.com	4455324	242425	ALANYA		
KAYA	OĞUZ	kayaoguz@ieu.edu.tr		34925620242	Balçova		
FREDDÍE	MERCURY			1111			

To Edit a customer the user must select interested customer on the customers table then should click on edit button

Then user can change any defined information in the past. After changed necessary information the user must click <u>Update button</u>.

Delete

To <u>delete a customer</u> the user must select a customer on the table then click on <u>delete button</u>

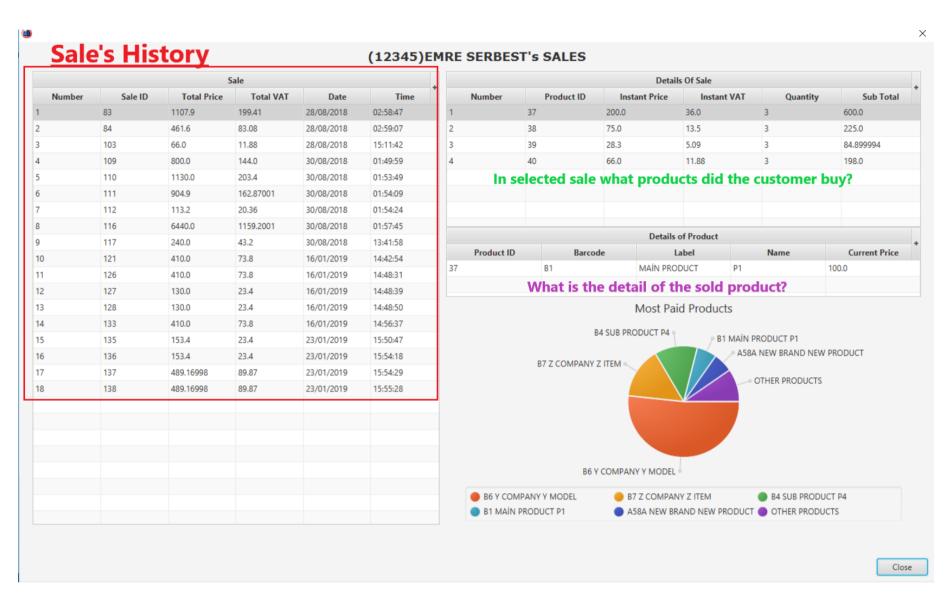
To <u>search a customer</u> the user can search according to name, surname, name surname or Tax ID/ID number.

CUSTOMERS						
Name	Surname	Email	Phone	TaxID or ID Number	Address	
IZZET	ASLAN	izzet.aslan@gmail.com	4455324	242425	ALANYA	
EREN	SERT			<u>24</u> 245		

CUSTOMER ANALYSIS SCREEN

Analysis

To reach a Customer Analysis Screen after select a customer click on **Anaylsis** button.



The user can see most paid 5 products of the selected customer in analysis screen on pie chart.

That application is my first JAVA GUI application this is designed on 2018 summer holiday.

Developed by Emre Serbest

E-mail: eserbest1903@gmail.com