

# Brokerage Firm



Albin George

Brokerage Firm documentation

Final Project

CIS 199

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Documentation

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# Brokerage Firm

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## Creating a New Customer Account

Figure 1



The screenshot shows a window titled "Brokerage Firm" with three tabs: "Create Customer", "New Investments", and "View/Edit Customer". The "Create Customer" tab is active, displaying a form titled "New Account". The form contains four input fields, each with an asterisk indicating it is required: "Account Number:\*", "Customer Name:\*", "Customer Address:\*", and "Customer Ph. No:\*". Below these fields is an "Add Customer" button. To the right of the form is a large green dollar sign graphic. At the bottom left of the form, a note states "\* indicates a required field."

The program upon being started will present the screen above.

- Enter the Account number for the new customer. (Alphanumeric)
- Enter the Customer Name.
- Enter the Customer Address. (Alpha Numeric)
- Enter the Customer Phone Number

Then click on "Add Customer" button and it shall bring up a pop up box confirming the successful creation of the customer account.

## New Investments

Figure 2

Brokerage Firm

Create Customer New Investments View/Edit Customer

### New Investments

Customer:\* Albin George ▼

Investment ID:\* 2001

Investment Name:\* Apple

Investment Symbol:\* APPL

Investment Shares:\* 50

Investment Type:\* ☒ Stock ☐ Mutual Fund

Investment Price:\* 100

Add Investment

Stocks:

Mutual Funds:

\* indicates a required field.

Please click on a Stock or Mutual Fund to view more information

- Select a customer from the Drop down List.
- Enter a unique Investment ID. (Alphanumeric)
- Enter an investment Name. (Alphanumeric)
- Enter the Investment Symbol. (Alphanumeric)
- Enter Investment Shares. (Numeric value only)
- Select an investment type (Stock or Mutual Fund)
- Enter the price of that investment. (\$100 should be entered as 100)

Upon clicking the “Add Investment” button, the software should produce a successful purchase pop up message and then add your investment to the appropriate textbox. As shown below:

Figure 3

Brokerage Firm

Create Customer New Investments View/Edit Customer

### New Investments

Customer:\* Albin George

Investment ID:\*

Investment Name:\*

Investment Symbol:\*

Investment Shares:\*

Investment Type:\* ☐ Stock ☐ Mutual Fund

Investment Price:\*

Add Investment

Stocks:

Apple

Mutual Funds:

Please click on a Stock or Mutual Fund to view more information

\* indicates a required field.

Furthermore, once the investment has been added as a stock or mutual fund you can click on an individual item to view more information about it in a pop-up box as shown below.

Figure 4

Stock Investment Information:

ID: 2001  
Name: Apple  
Symbol: APPL  
Shares: 50  
Price: \$100.00  
Stock Cash Value: \$5,000.00

OK

## View/Edit Customer Information

Figure 5

Upon selecting a customer from the drop down list on the “View/Edit Customer” tab, it populates basic information about the account such as Account Number, Name, Address, and Phone Number. These fields can be updated from here by making the necessary changes and hitting the “Update Customer” button. NOTE: You may not leave any of these items blank.

Furthermore, selecting a customer loads their investment information of Stocks and Mutual Funds in their respective List Boxes. The Disabled textbox under “Phone Number” and above the “Update Customer” button shows the “Total Investment Value” also known as the customer’s Total Cash Value.

Also, above each List Box the value of all the current stocks and mutual funds is also shown and clicking on an individual stock or mutual funds shows more information as in figure 4.

## Buy / Sell Shares

Figure 6

Brokerage Firm

Create Customer | New Investments | View/Edit Customer

### View/Edit Customer Information

Customer\*:

Account Number\*:

Customer Name\*:

Customer Address\*:

Customer Ph. No.\*:

Total Investment Value:

Update Customer

Stocks: Value:\$5,000.00

Mutual Funds: Value:\$95,000.00

Please click on a Stock or Mutual Fund to view more information

### Buy/Sell Shares

Stock Name:

Amount:

☐ Buy Shares ☐ Sell Shares

Process

Mutual Fund Name:

Amount:

☐ Buy Shares ☐ Sell Shares

Process

\* indicates a required field.

### Close Customer Account

☐ I confirm that the account has been approved for closure.

Close Account

On the "View/Edit Customer" tab, upon selecting a customer the appropriate Buy/Sell capacity enables depending on what kind of shares the customer owns. For example: In Figure 5 only Stocks are enabled because the customer only owns stocks of "Apple". Unlike Figure 6, in which both Stocks and Mutual Funds are enabled because the customer owns stocks in Apple and Google Mutual Funds.

### To Purchase or sell Stock Shares

- Select the appropriate stock from the Stock Drop down list.
- Enter the amount of shares to buy or sell.
- Select if you want to buy or sell shares.
- Hit the "Process" Button to complete transaction.

Figure 7

Brokerage Firm

Create Customer

New Investments

View/Edit Customer

View/Edit Customer Information

Customer\*:

Albin George

Account Number\*:

01

Customer Name\*:

Albin George

Customer Address\*:

University Tower Apartments

Customer Ph. No.\*:

502-852-6111

Total Investment Value:

\$97,000.00

Update Customer

Stocks: Value:\$2,000.00

Apple  
Microsoft

Mutual Funds: Value:\$95,000.00

Google

Please click on a Stock or Mutual Fund to view more information

Buy/Sell Shares

Stock Name:

Apple

Amount:

20

☐ Buy Shares ☐ Sell Shares

Process

Mutual Fund Name:

Google

Amount:

30

☐ Buy Shares ☒ Sell Shares

Process

Close Customer Account

☐ I confirm that the account has been approved for closure.

Close Account

\* indicates a required field.



## Closing a Customer Account

Figure 8

Brokerage Firm

Create Customer | New Investments | View/Edit Customer

### View/Edit Customer Information

Customer\*: **Albin George**

Account Number\*: 01

Customer Name\*: Albin George

Customer Address\*: University Tower Apartments

Customer Ph. No.\*: 502-852-6111

Total Investment Value: \$85,600.00

Update Customer

Stocks: Value:\$2,000.00

- Apple
- Microsoft

Mutual Funds: Value:\$83,600.00

- Google

Please click on a Stock or Mutual Fund to view more information

### Buy/Sell Shares

Stock Name: **Apple**

Amount:

☐ Buy Shares ☐ Sell Shares

Process

Mutual Fund Name: **Google**

Amount:

☐ Buy Shares ☐ Sell Shares

Process

\* indicates a required field.

### Close Customer Account

☒ I confirm that the account has been approved for closure.

Close Account

In order to close a customer account, proceed to the "View/Edit Tab".

- Check mark the acknowledgement statement.
- Click the "Close Account" button. If successful it will show you a pop-up message with confirmation.