

OMIS 675

Internet Computing Applications

Kuber Investments Project Report

Site link: <http://omisapps.niu.edu/Z1779827/FINAL/>

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Executive Summary:

International stock markets have undergone many changes. Exponential growth in trading volumes is pushing existing trading systems and processes and increasing the chances of huge investments and great income returns. This would result in lowering of trade costs and make stock markets a more attractive destination for global investors.

Kuber Investments has come up with a simple user friendly web application that allows anyone to create an account and invest their money in buying stocks of companies listed in the **NASDAQ** and **NYSE** stock exchanges.

The mission of Kuber Investments is to guide individual investors to make wise decisions about their investments and take control of their financial lives. Kuber Investments also benefits its customers by not charging any fees for their transactions like the traditional brokerage firms.

Our web based application here is a straight forward application that allows any user to register and login to his account to make a transaction. The application provides the user with four main functionalities:

- Cash Buy
- Cash Sell
- Margin Buy
- Margin Sell

The home page has a news feed that provides the customers to know about the latest updates on the daily stock market and help them make wise decisions about their investments.

The application facilitates hassle free transactions and security for the customer's investments. It provides easy stock trading options with different order types and order validity. The different order types available with the application are:

- Day – The trading transaction should be completed by the end of the day.
- IOC – The trading transaction should be done immediately or will be cancelled.
- VTC – The trading transaction is valid till cancellation by the administrator.

The different order validity types that the application provides are:

- Market – This option empowers the user to buy the stock at the listed market price of that trading day.
- Limit – This option enables the user to specify a price that the user is interested to buy the stock at and the system buys the stock when the stock reaches to that price during the trading hours.

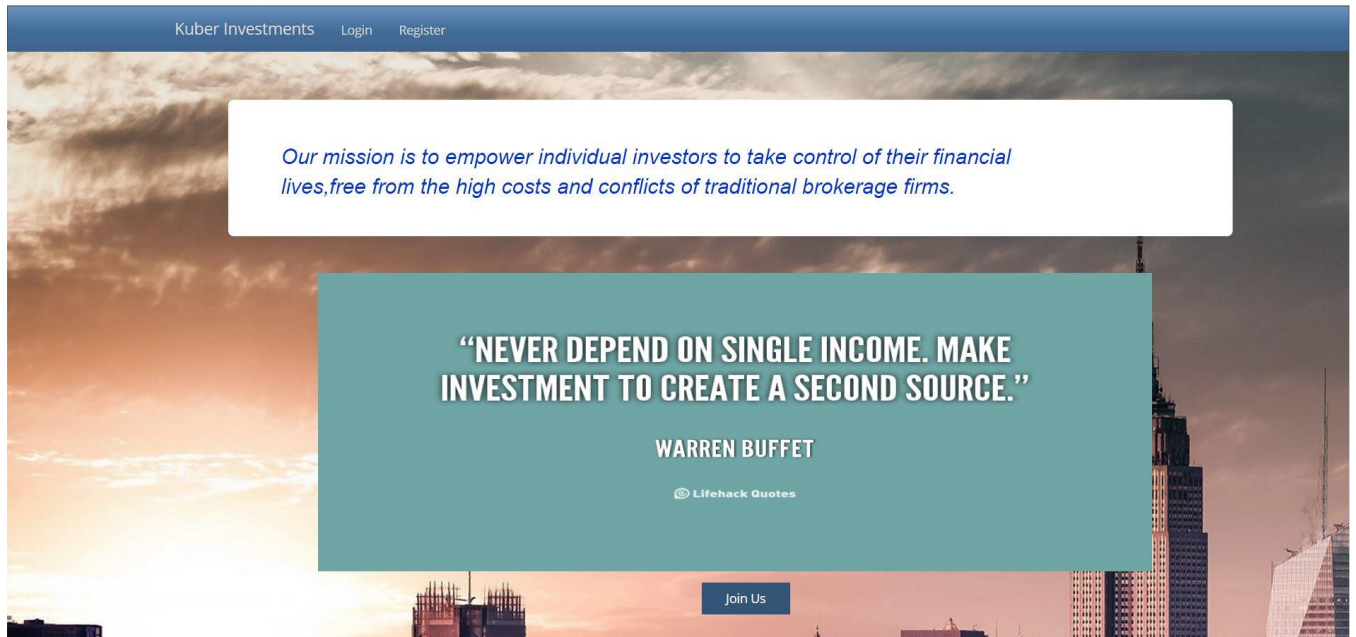
The Margin Buy and Margin Sell functionalities provides an interface to pay for the stocks in desired percentages like 40, 60 or 80.

The application also provides the users with their purchase history data which helps them to keep a day-to-day track of their investments.

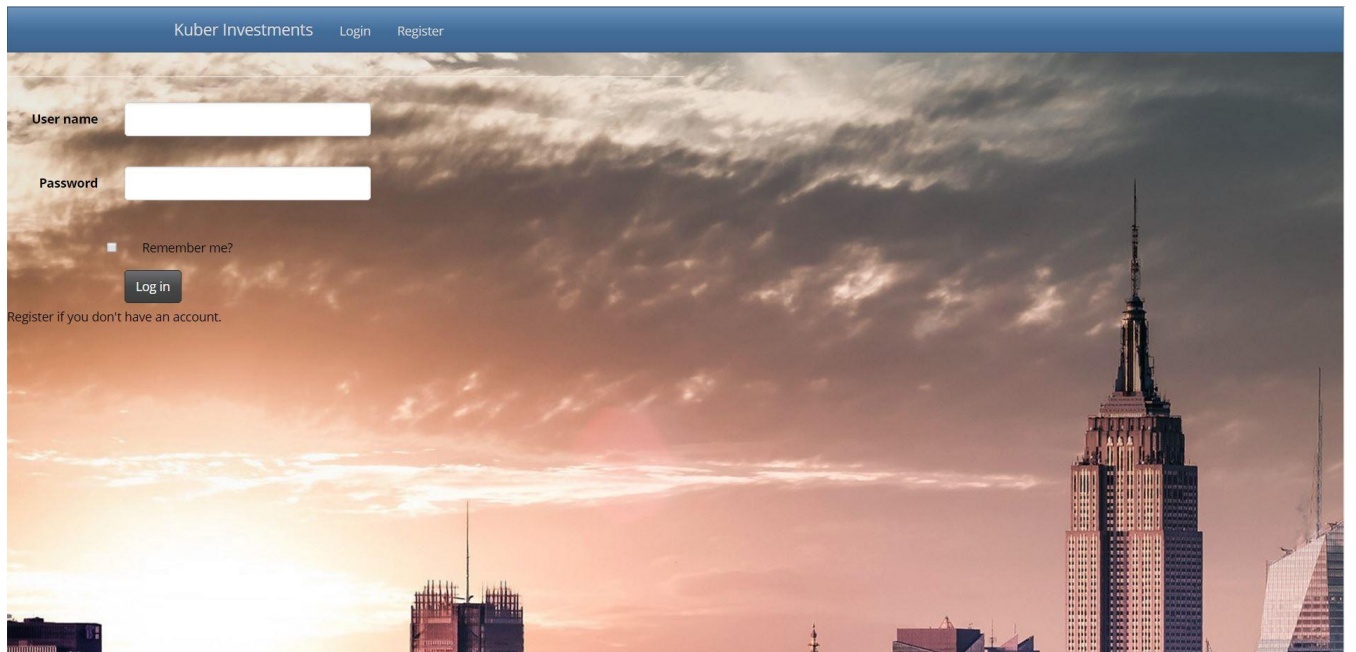
The administration page provides a secured gateway to create, read, update and delete the list of available stocks with Kuber Investments.

Web Forms Screenshots:

Home Page:



Login Page:



Register Page:

[Kuber Investments](#) [Login](#) [Register](#)

Create a new account

User name

Password

Confirm password

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User Home Page after Login:

[Kuber Investments](#) [Home](#) [CashBuy](#) [CashSell](#) [MarginBuy](#) [MarginSell](#) [PurchaseHistory](#) [Available Stocks](#) [Log Out](#)

Welcome sarattadi

Live Stock News Updates

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Shares of Ambarella NASDAQ AMBA are down around 7 on the heels of its fiscal third quarter 2017 f...

Dec 6, 2016 22:55

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Dec 6, 2016 21:55


Explore our options

>> Cash Buy

>> Cash Sell

>> Margin Buy

>> Margin Sell



Cash Buy Page:

Kuber Investments Home CashBuy CashSell MarginBuy MarginSell PurchaseHistory List of Available Stocks Log Out

Cash Buy

Exchange ☒NASDAQ ☐NYSE

Stock 108.84

Quantity

Order Type ☒Day ☐IOC ☐VTC

Order Validity ☒Market ☐Limit

Limit Price

Cash Sell Page:

Kuber Investments Home CashBuy CashSell MarginBuy MarginSell PurchaseHistory List of Available Stocks Log Out

Cash Sell

Exchange ☒NASDAQ ☐NYSE

Stock

Quantity

Order Type ☒Day ☐IOC ☐VTC

Order Validity ☒Market ☐Limit

Limit Price

Margin Buy Page:

Kuber Investments Home CashBuy CashSell MarginBuy MarginSell PurchaseHistory List of Available Stocks Log Out

Margin Buy

Exchange

☒ NASDAQ ☐ NYSE

Stock

Apple ▼

108.84

Quantity

Order Type

☐ Day ☐ IOC ☐ VTC

Order Validity

☒ Market ☐ Limit

Limit Price

Buy Now

Cancel

Margin Sell Page:

Kuber Investments Home CashBuy CashSell MarginBuy MarginSell PurchaseHistory List of Available Stocks Log Out

Margin Sell

Exchange

☒ NASDAQ ☐ NYSE

Stock

Apple ▼

Quantity

Order Type

☐ Day ☐ IOC ☐ VTC

Order Validity

☒ Market ☐ Limit

Limit Price

Sell Now

Cancel

User Purchase History Page:

Kuber Investments								
Home		CashBuy	CashSell	MarginBuy	MarginSell	PurchaseHistory	List of Available Stocks	Log Out

ID	CreateDate	UserName	Stock	Value	Quantity	OrderType	OrderValidity	LimitPrice	TotalStockPrice
19	12/3/2016 1:03:59 PM	sarattadi	Apple	108.84	-10	Day	Market	0	-1088.4
21	12/4/2016 8:00:55 AM	sarattadi	Apple	108.84	-10	Day	Market	0	-1088.4
22	12/4/2016 8:01:44 AM	sarattadi	Apple	108.84	0	Day	Market	0	0
24	12/7/2016 10:31:18 AM	sarattadi	Facebook	120.75	10	Day	Market	0	1207.5

List of Available Stocks Page:

Kuber Investments	
Home	CashBuy
CashSell	MarginBuy
MarginSell	PurchaseHistory
List of Available Stocks	Log Out

StockName	StockValue
Apple	108.84
Alphabet Inc	781.1
Microsoft	58.71
Facebook	120.75
Amazon	755.05
Berkshire Hathwat	214545
Exxon Mobil	83.57
Johnson & Johnson	115.11

Order Summary Page:

Kuber Investments Home CashBuy CashSell MarginBuy MarginSell PurchaseHistory List of Available Stocks Log Out

Order Summary


UserName	sarattadi
Action	MarginBuy
Stock	Microsoft
Stock Value	58.71
Quantity	10
Order Type	Day
Order Validity	Market
Limit Price	
Total Stock Price	587.10

Confirm Cancel

Payment Page:

Kuber Investments Home CashBuy CashSell MarginBuy MarginSell PurchaseHistory List of Available Stocks Log Out

Payment



Total Amount	587.10
Name on the card	<input type="text" value="SARAT TADI"/>
Card Number	<input type="text" value="1111222233334444"/>
Expiry Date	MM <input type="text" value="01"/> / YYYY <input type="text" value="2016"/>
CVV	<input type="text" value="..."/>

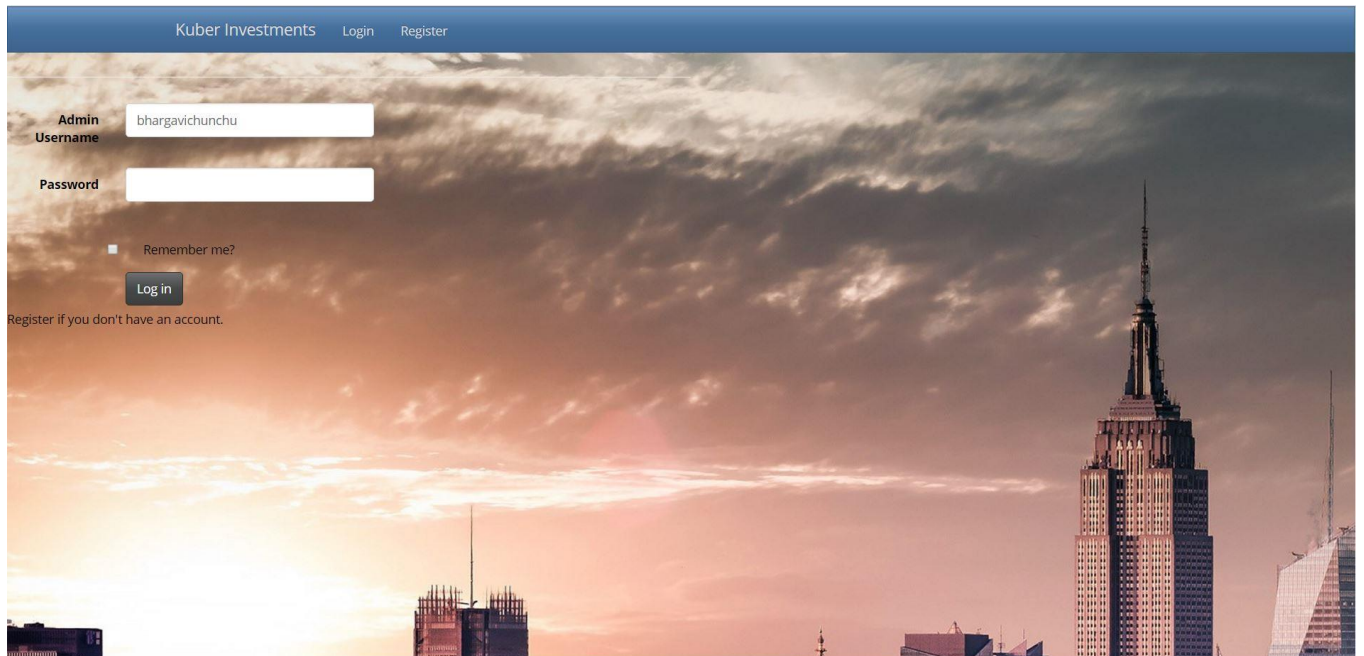
Pay Cancel

Admin Login Page:

Admin URL: <http://omisapps.niu.edu/Z1779827/FINAL/Admin>

Admin Username: [bhargavichunchu](#)

Password: [niu123](#)

A screenshot of the Admin Login page. The page has a blue header with 'Kuber Investments', 'Login', and 'Register' links. The background is a sunset over a city skyline with the Empire State Building. The login form includes fields for 'Admin Username' (containing 'bhargavichunchu') and 'Password'. There is a 'Remember me?' checkbox and a 'Log in' button. A link 'Register if you don't have an account.' is at the bottom left.

Kuber Investments Login Register

Admin Username:

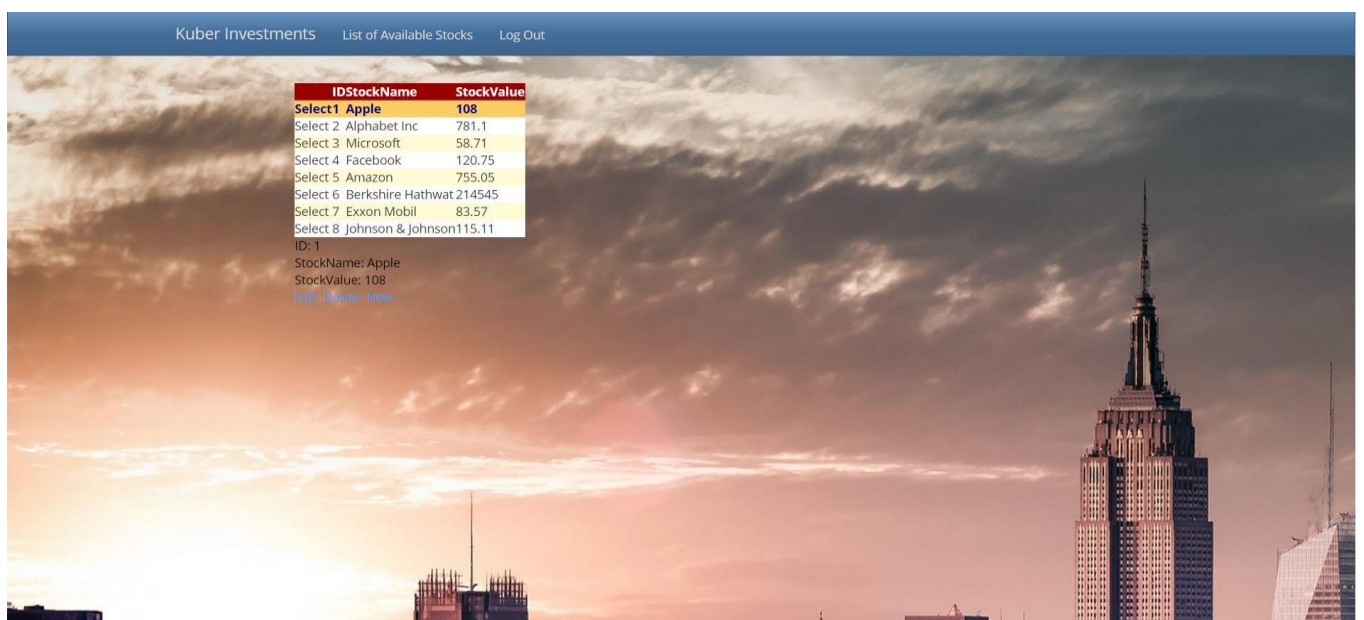
Password:

☐ Remember me?

[Log in](#)

[Register if you don't have an account.](#)

Admin View Page for CRUD operations:

A screenshot of the Admin View page. The page has a blue header with 'Kuber Investments', 'List of Available Stocks', and 'Log Out' links. The background is the same sunset city skyline. A table of stock data is displayed, with the first row highlighted in yellow. Below the table, the details for the selected stock (Apple) are shown.

Kuber Investments List of Available Stocks Log Out

ID	StockName	StockValue
Select1	Apple	108
Select 2	Alphabet Inc	781.1
Select 3	Microsoft	58.71
Select 4	Facebook	120.75
Select 5	Amazon	755.05
Select 6	Berkshire Hathwat	214545
Select 7	Exxon Mobil	83.57
Select 8	Johnson & Johnson	115.11

ID: 1
StockName: Apple
StockValue: 108
[Edit](#) [Delete](#) [New](#)

Database Diagram:

