

# **“TRADE MONITORING”**

**Increment-4**

By

**GROUP-8**

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Under the esteemed guidance of

**Dr. LEE**



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## **1. Introduction:**

Trade Monitoring website started when an idea came that we could make a website to make the stock marketing easier and faster. Moreover, this website serves many people to buy and sell shares online with no need to go or visit the real company.

Our website allows many people around the world to communicate and do their trading through our website.

### **1.1. Requirements Specification:**

- Trade Monitoring system requires the database to store the company's stock details and users account details and also past market details.
- Trade Monitoring system requires the external web services like Stock quotes, Stock Ticker and Finance charts.
- System should be user friendly and maintains all the stock information, payments and user accounts.

### **1.2. Software Interface**

- **Client:** Web Browser, Android APP.
- **Framework:** Ionic Framework, Microsoft Visual studio 2010.
- **Data Base Server:** Mongo LAB and SQL Server 2008.

### **1.3. Non Functional Requirements:**

#### **1.3.1 Performance:**

Performance is always a programming issue not related to any physical or hardware part of the system. Since we have gathered every piece of information is needed for the development and performance orientation.

#### **1.3.2 Reliability:**

Since the application is being developed through web server pages which are from the family of ASP.NET, Angular JS, Bootstrap the most famous efficient and reliable languages, so it is reliable in every aspect until and unless there is an error in the programming side. Thus the application can be a compatible and reliable one.

### **1.3.3 Availability:**

Making all the components available to the authenticated user is the major responsibility of the developer. Thus care should be taken in order to ensure the perfect available measures at times when needed.

### **1.3.4 Security:**

Making all the components available to the authenticated user is the major responsibility of the developer. Thus care should be taken in order to ensure the perfect available measures at times when needed.

### **1.3.5. Maintainability:**

The main aim of any application is to save the data efficiently and its perfect maintenance avoiding the mistakes. This application can be able to provide such maintenance of data through its functional modules that has been generated.

### **1.3.6. Portability:**

This System must be flexible such that user with basic background in using computers can quickly use the system and learn to use the project. The system must have a friendly user interface.

### **1.3.7. Design Constraints:**

For using our website customers have to use the web site address and can login into the session. These constraints are related with the real world that the persons follow before the system has been installed. It is not often taken into consideration that the requirements that are not necessary in the project may be gathered but are neglected in the design.

## **2. Objectives and Features.**

### **2.1 Existing System.**

There are many websites and banks providing the trade marketing through online (Buy and sell shares online). Everyone has providing the good services but still some features need to be included in the existing system. So we have designed an application which provides all the features including existing and new features. The coming section we are going to explain about our new features.

## **2.2 Proposed System.**

There are many websites provides may be the same services (Buy and sell shares online) but why our website is different?. Because our standards and our website structure helps you a lot more than the other websites. In existing there were no direct interactions with customer services. We have provided the appointment feature to directly contact with the customer services to resolve their issues.

In designing our website, we kept in mind:

- The ease of using our website.
- How fast can you get what customers are looking for.
- Providing the preferred companies to buy and sell shares from them.
- Display the actions of a company for the last 15 years.
- No need to visit the real company either sign papers to complete operations.
- Providing the voice recognition service to run the application.
- Providing the 24\*7 customer services
- Providing the face to face customer services through appointments.

## **3. Import Existing Services/API**

We have used some existing API's in our application to get the latest stock quotes, stock Charts, trading historical data. The below mentioned API's we have used in our application.

1. <http://ichart.finance.yahoo.com/table.csv?s={0}&c={1}>
2. <http://finance.yahoo.com/d/quotes.csv?s=AAPL+ACH+BAB+DAL+DWSN+EXPE+FC+GYRO+HFWA+INFY+LAKE+NATI+OFC+PCTY+SAND+VTA+WPPGY+XLV+YHOO+YUM&f=snbaop11>
3. <http://download.finance.yahoo.com/d/quotes.csv?s>
4. [http://download.finance.yahoo.com/d/quotes.csv?s="+symbol+"&f=s1d1t1c1hgvyap2](http://download.finance.yahoo.com/d/quotes.csv?s=)

5.
6.
7.
8.

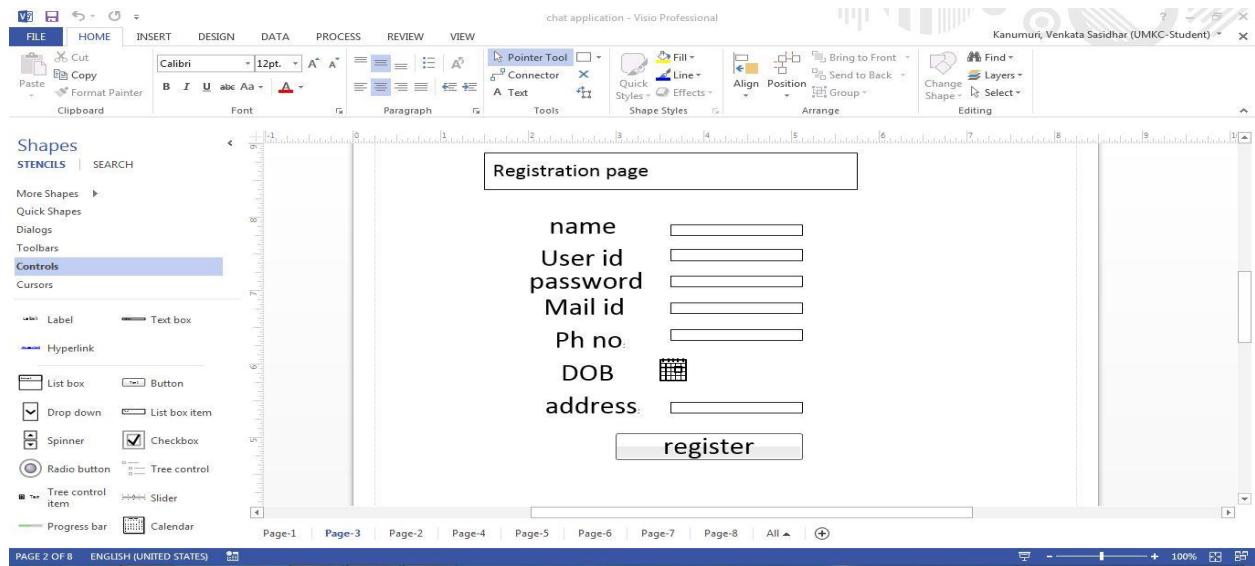
## 4. Detailed Design of services

The SDD is a representation of a software system that is used as a interface to communicate software design information. This document contains description of the high level architecture used to develop the system. Communicating at a high level, it will form the basis for the Software Detailed Design and implementation.

### 4.1 Mockups and Wireframes

**Wireframes:** Wireframes are like a prototype describes and evolves how the system design should be. In the designing phase first we will analyze the system design through mockups.

#### 1. Registration.



2. Login.



The image shows a login form with the following fields:

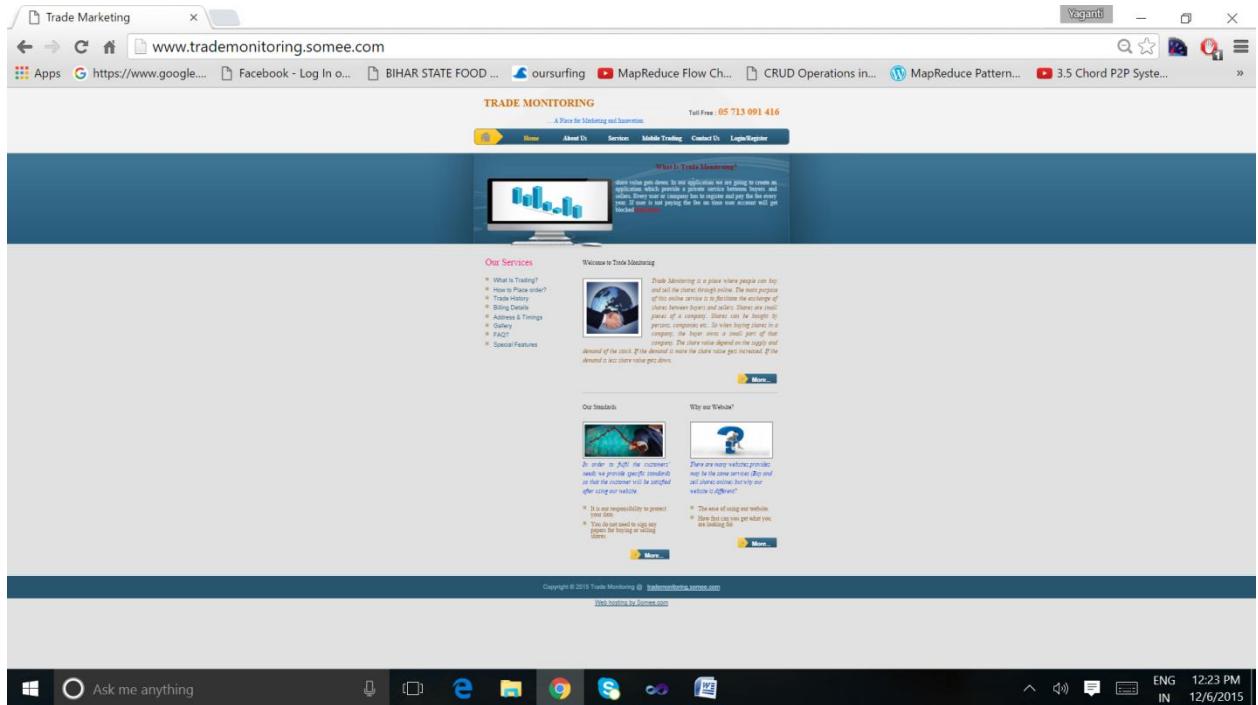
- A small logo in the top-left corner.
- A text input field containing the placeholder "New to chatforall click here for [registration](#)".
- A label "Mail or ph :" followed by a text input field.
- A label "Password :" followed by a text input field.
- A large button labeled "submit" with a magnifying glass icon above it.
- A link labeled "?Forget password" to the right of the submit button.

3. User Home Page.

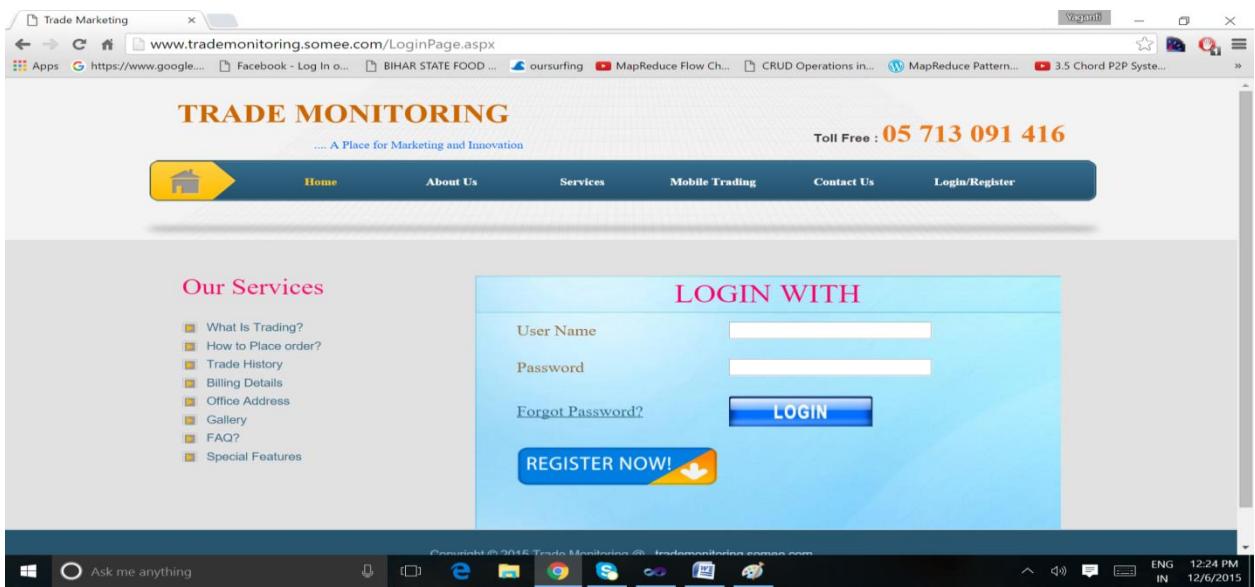


**Mockups:** Mockups are the user interface diagrams created from Html, Html4, CSS, Bootstrap, and Angular JS.

## 1. Home Page :



## 2. Login Page screen.



### 3. New Order page.

The screenshot shows a web browser window titled "Trade Marketing" with the URL [www.trademonitoring.somee.com/NewOrder.aspx](http://www.trademonitoring.somee.com/NewOrder.aspx). The page has a header with "TRADE MONITORING" and "Toll Free : 05 713 091 416". A navigation bar includes "Home", "Portfolio", "Market Watch", "New Order" (which is highlighted in orange), "Order History", and "Signout". On the left, there's a sidebar with "Our Services" (Reports, Mobile Trading, Cash Box, Make Appointment, Appointment Details) and "Personal Information" (Profile Details, Update Profile, Membership ID, Change Password, Contact Us). The main content area is titled "Place New Order" and contains fields for Symbol (dropdown menu), Company Name, Current Market Price, Available Shares, Quantity, Order Type (dropdown menu), Price, From: To: (date range input), and Validity. A "Place Order" button is at the bottom right. The status bar at the bottom shows "Ask me anything" and various system icons.

### 4. Portfolio Page.

The screenshot shows a web browser window titled "Trade Marketing" with the URL [www.trademonitoring.somee.com/Portfolio.aspx](http://www.trademonitoring.somee.com/Portfolio.aspx). The page has a header with "TRADE MONITORING" and "Toll Free : 05 713 091 416". A navigation bar includes "Home", "Portfolio" (which is highlighted in orange), "Market Watch", "New Order", "Order History", and "Signout". On the left, there's a sidebar with "Our Services" (Reports, Mobile Trading, Cash Box, Make Appointment, Appointment Details) and "Personal Information" (Profile Details, Update Profile, Membership ID, Change Password, Contact Us). The main content area displays a table of portfolio items:

ORDER DATE	SYMBOL	QUANTITY	PRICE	MARKET PRICE	TOTAL COST	TOTAL MARKET COST	PROFIT/LOSS	SELL
11/24/2015 9:05:52 PM	BAB	5	29.05	29.01	145.25	145.05	-0.20	<button>Sell</button>
11/24/2015 9:04:29 PM	GYRO	2	49.98	26.69	99.96	53.38	-46.58	<button>Sell</button>
11/24/2015 8:59:13 PM	LAKE	2	15.15	16.97	30.3	33.94	3.64	<button>Sell</button>
11/24/2015 8:58:28 PM	NATI	1	30.33	30.85	30.33	30.85	0.52	<button>Sell</button>
10/31/2015 2:08:47 PM	PCTY	2	33.64	42.55	67.28	85.1	17.82	<button>Sell</button>
11/24/2015 8:55:44 PM	SAND	3	2.67	2.70	8.01	8.1	0.09	<button>Sell</button>
11/24/2015								

The status bar at the bottom shows "Ask me anything" and various system icons.

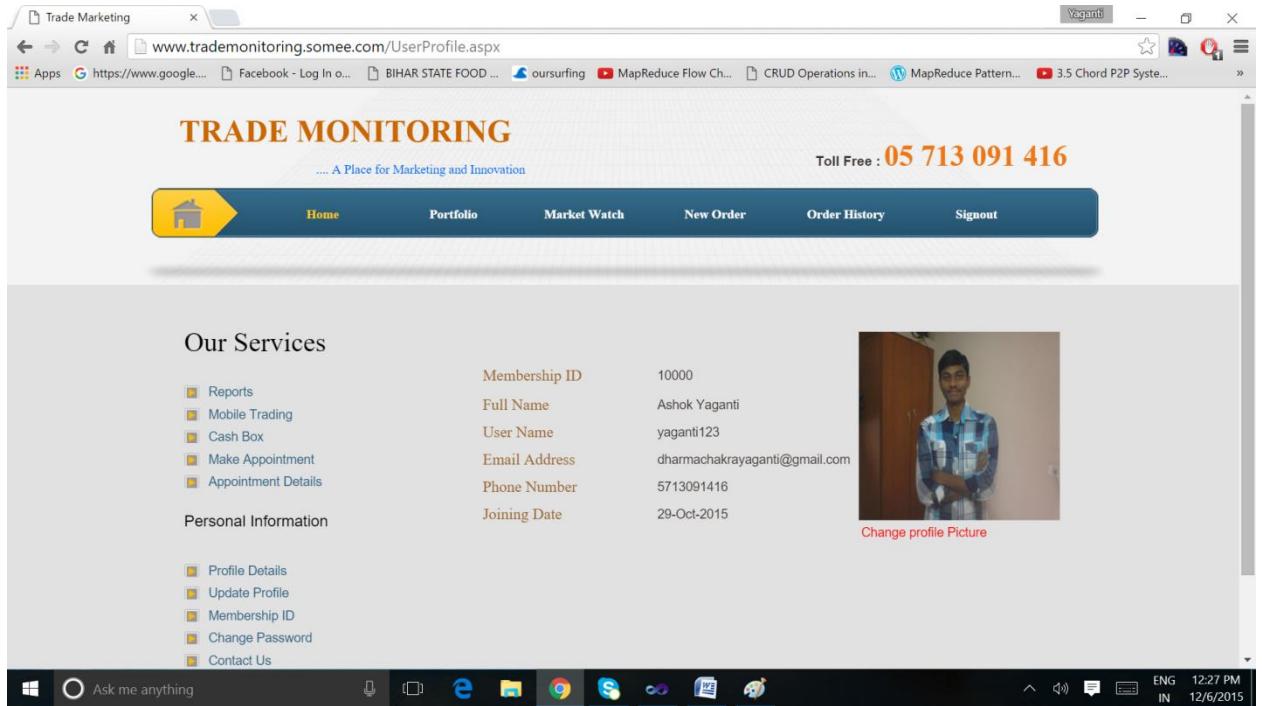
## 5. Cash Box Page

The screenshot shows a web browser window titled "Trade Marketing" with the URL "www.trademonitoring.somee.com/CashBox.aspx". The page has a header with "TRADE MONITORING" and "Toll Free : 05 713 091 416". Below the header is a navigation bar with links for Home, Portfolio, Market Watch, New Order, Order History, and Signout. A yellow house icon is on the left. The main content area has two sections: "Our Services" on the left and "MAKE PAYMENT" on the right. Under "Our Services", there is a list of services: Reports, Mobile Trading, Cash Box, Make Appointment, and Appointment Details. Under "MAKE PAYMENT", there are fields for Amount (\$), Card Number, Expiry Date (dropdown menus for Month and Year), Card Type (dropdown menu), and Security Number. A message says "Your Cash Box amount is : 399.01". The bottom of the screen shows a Windows taskbar with various icons and the date/time "12/6/2015 12:26 PM".

## 6. Appointment Page.

The screenshot shows a web browser window titled "Trade Marketing" with the URL "www.trademonitoring.somee.com/appointment.aspx". The page has a header with "TRADE MONITORING" and "Toll Free : 05 713 091 416". Below the header is a navigation bar with links for Home, Portfolio, Market Watch, New Order, Order History, and Signout. A yellow house icon is on the left. The main content area has two sections: "Our Services" on the left and "Schedule Appointment Here" on the right. Under "Our Services", there is a list of services: Reports, Mobile Trading, Cash Box, Make Appointment, and Appointment Details. Under "Personal Information", there is a list of profile-related services: Profile Details, Update Profile, Membership ID, Change Password, and Contact Us. On the right, there is a "Select Date :" field with the value "12/16/2015" and a calendar for December 2015. The calendar shows days from 29 to 31, with December 16 highlighted in blue. Below the calendar, there is a legend: a red square for "Booked", a green square for "Available", and an orange square for "No Slots". There are two rows of time slots: "Morning" and "Afternoon", each with four columns representing hours. The "Available" status is shown in green for most slots, while some specific times like 12 PM and 1 PM in the afternoon row are marked as "Booked" in red.

## 7. Profile Page.



### a) Architecture Diagram.

This aims at decomposing the entire project into many modules, concurrent processes and data which will help in developing the software easily. A top level description of Project will be given, dividing it into its modules and explain their relation. The modules in the system contain public methods that run parallel processes and use data that has been modified during the system's active life period.

A module is a well-defined subsystem that is useful in various applications. Each module has a well-defined purpose. The modules can be individually compiled and can be stored individually in a library. These are easier to build. The entire project is decomposed into 3 modules.

- **Front module (GUI):**

This module basically provides a graphical interface for those who cannot work with command line based applications.

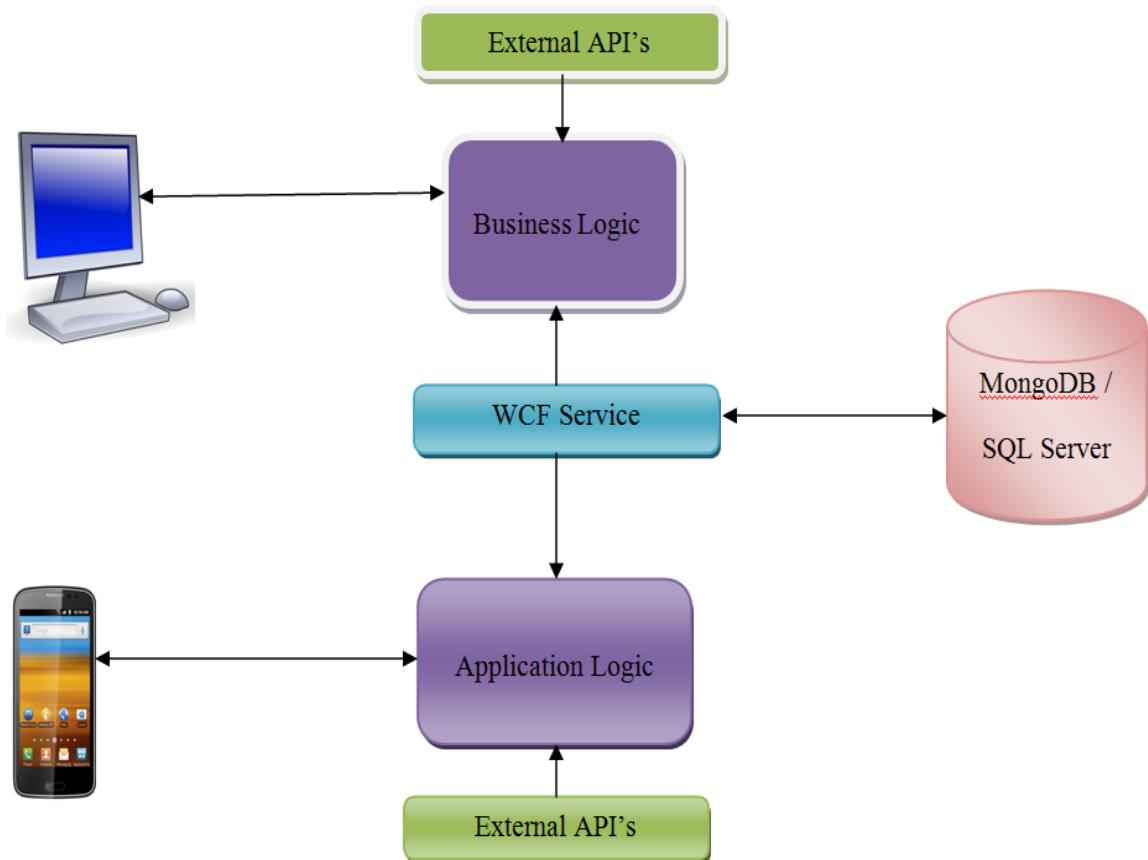
- **Database module:**

This module provides the main functionality for the information management system.

- **Middle module:**

This module provides a connection between the front and the business tier. It includes a request module and is as an interface that can be used by the front-tier

- **Business module:** This module contains all the functionalities that validate, update and control the data entering into the database. Also this module is responsible to validate user.



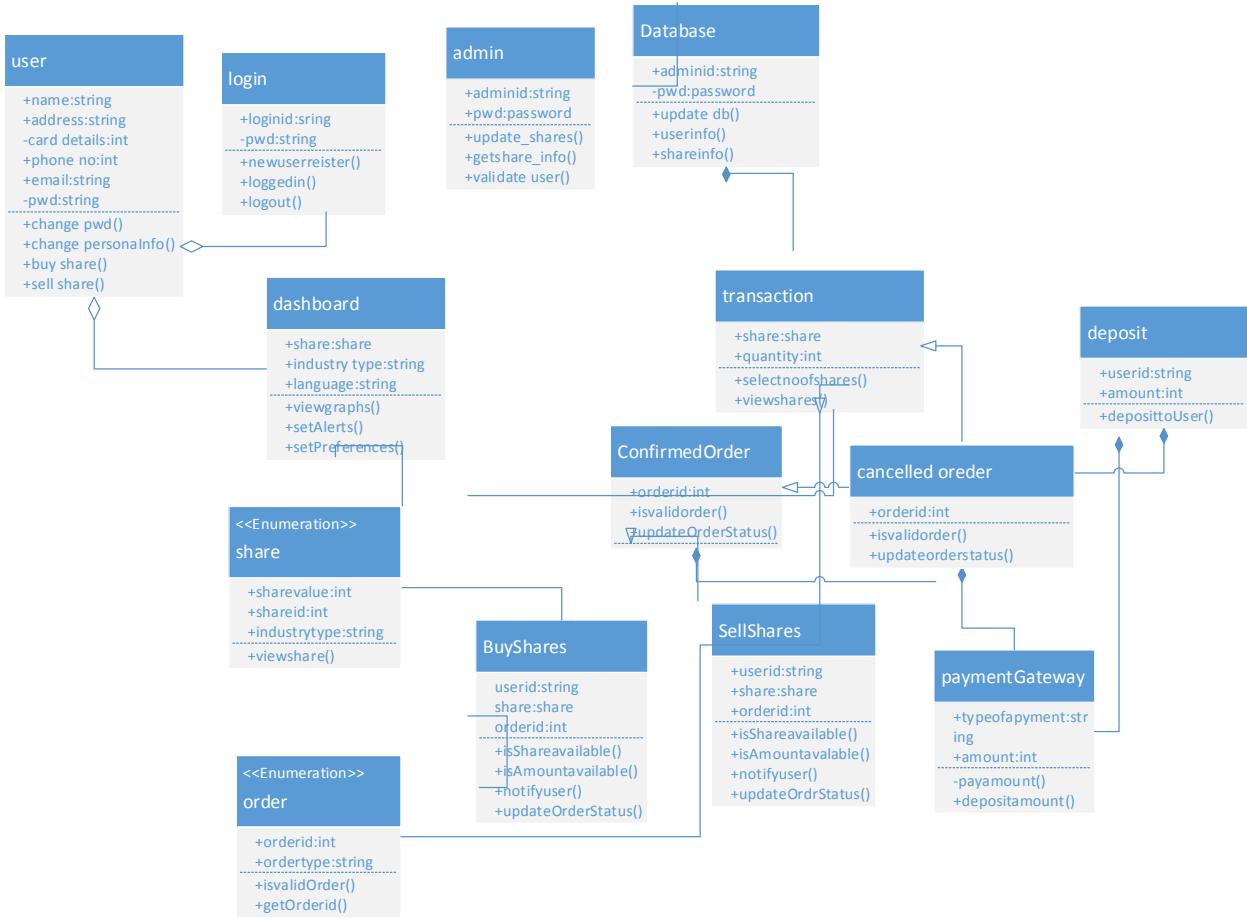
### **4.3. Class Diagram**

Used to represent various classes present in the system and relationships between them. Gives clear picture of the system and communications between classes present in the system.

- In this system User or the investor enters the system, if the user enters the site for the first time he/she has to Register with the system
- Then the Admin provides login details for the user after successful registration.
- Now the user can login with the system with his login credentials.
- Here he can view the shares of companies and view share values, analyze the shares.
- Then the user can buy or sell shares and make payments through Payment gateway.
- He can check if quantity of shares is available or not. If the user wishes to cancel the order he can or else continue to checkout.
- After buying or selling shares the user can continue to view shares or logout of the system.

Here is a list of classes involved and the diagram below represents the relationships involved between them.

- User
- Login
- Share
- Order
- Transaction
- Admin
- Database
- Buy shares
- Sell shares
- Payment gateway
- Confirm order
- Cancelled order
- Deposit



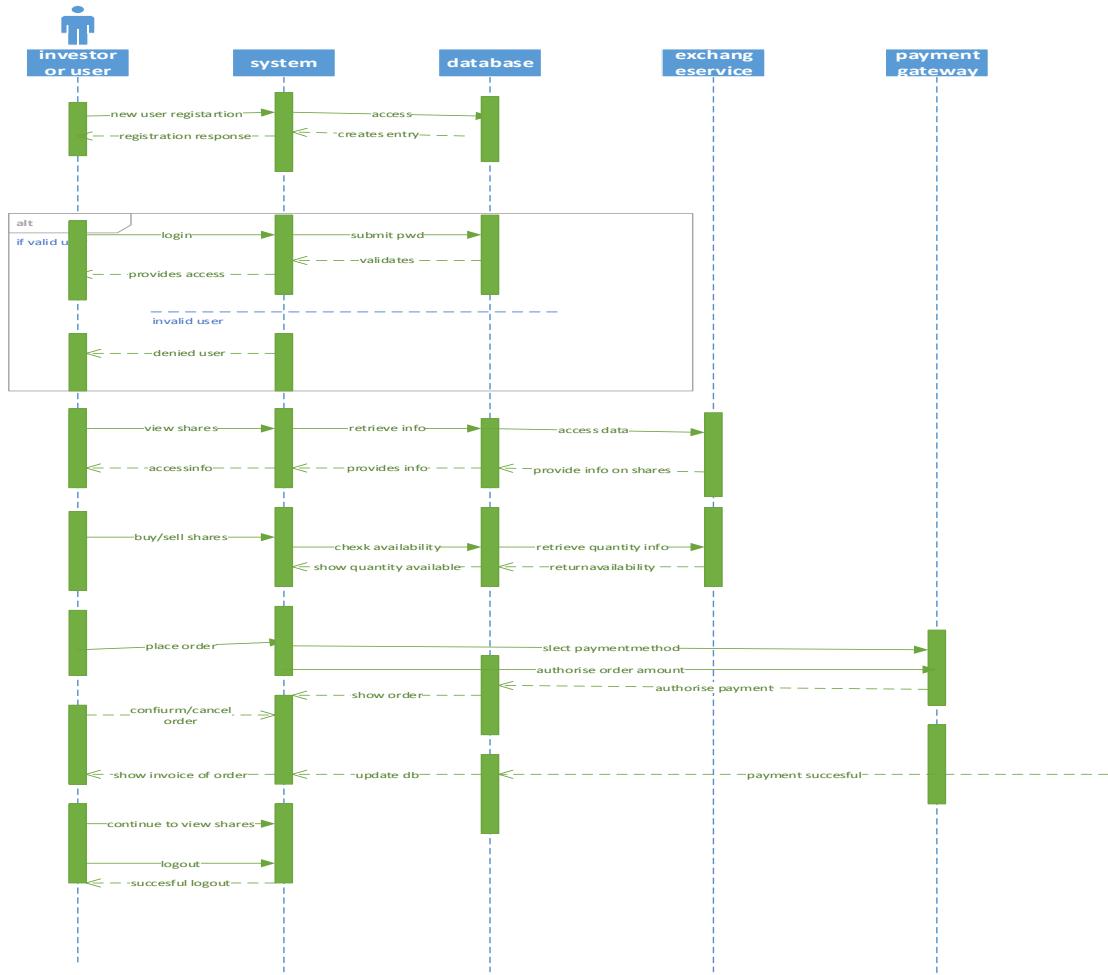
## 4.4. Sequence Diagram

This diagram shows the interactions between various objects present in the system. The entire set of communications is represented by using messages with respect time.

This system contains the following objects

- User or the investor
- System
- Database
- Exchange service
- Payment gateway
- The user retrieves the share information from the exchange service provided in the system in the form of graphs, the messages between them is represented by the diagram

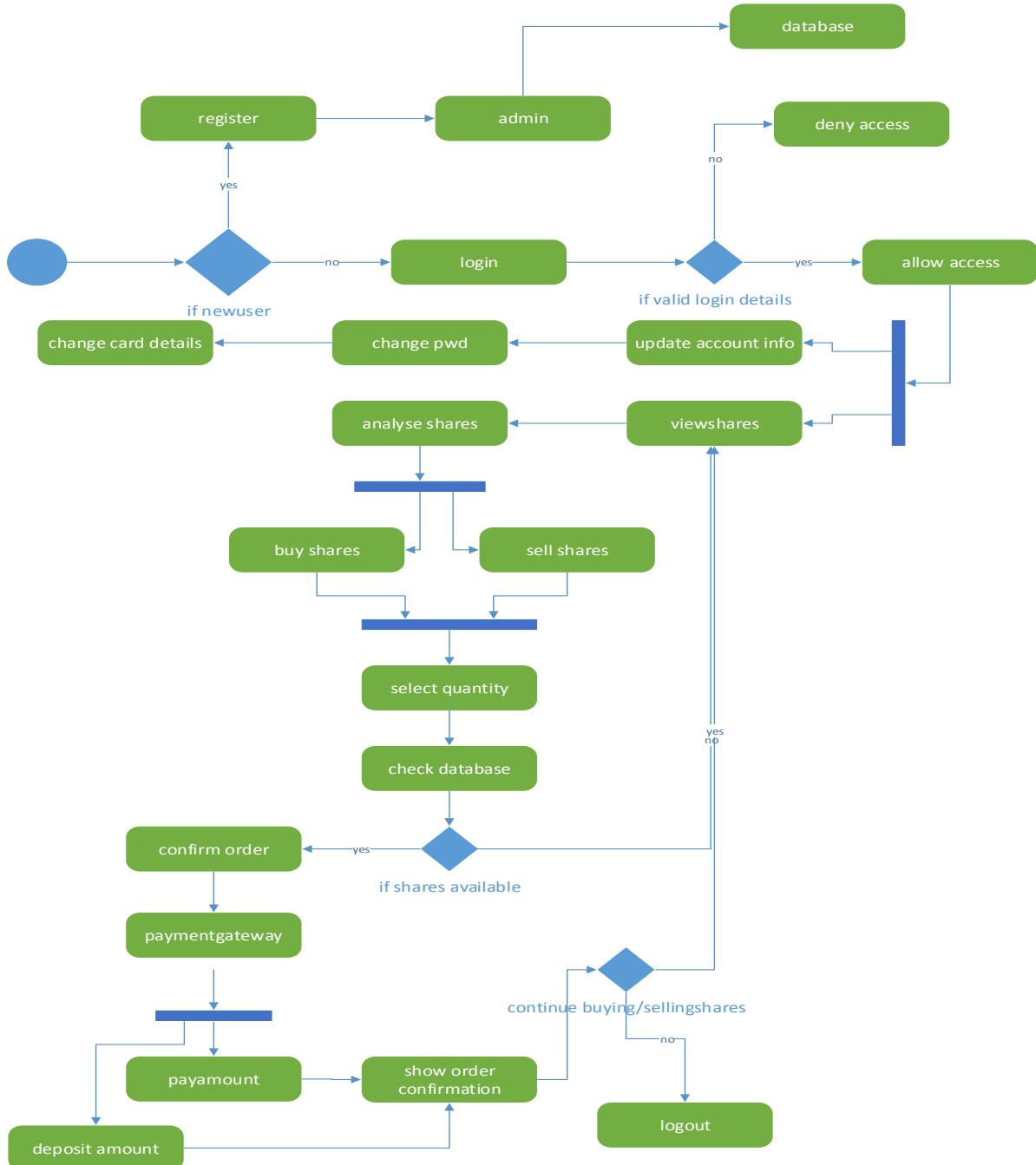
below



## 4.5. Activity Diagram

This diagram shows the flow of activities involved in the system i.e.; entire workflow of the activities can be determined in this activity diagram.

The following diagram gives the entire representation of the workflow of our trade monitoring system



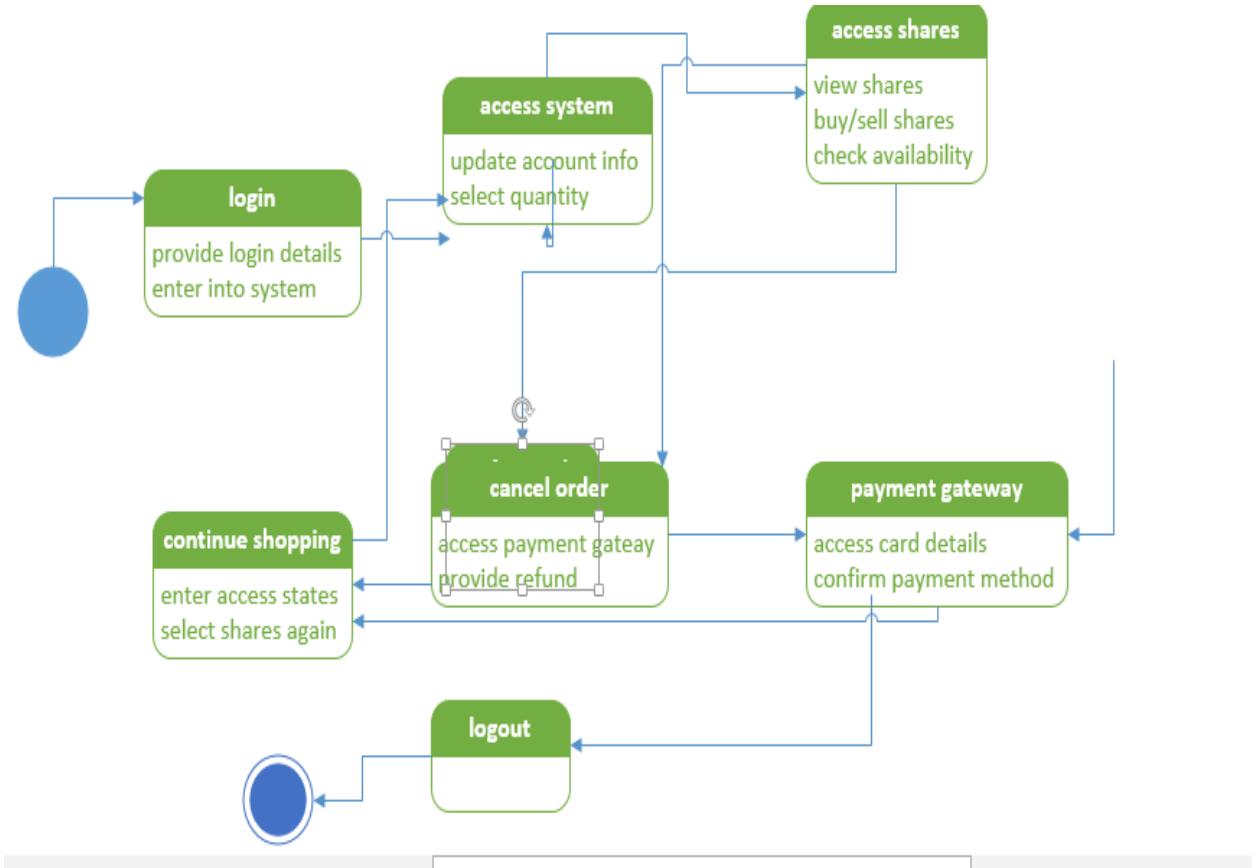
## 4.6. State Chart Diagram

This diagram represents the behavior of the system and describes various states present in the system.

The states involved in this system are represented in the following diagram

- Login

- Access system
- Access shares
- Continue shopping
- Cancel order
- Payment gateway
- Logout



## 4.7. Use Case Diagram

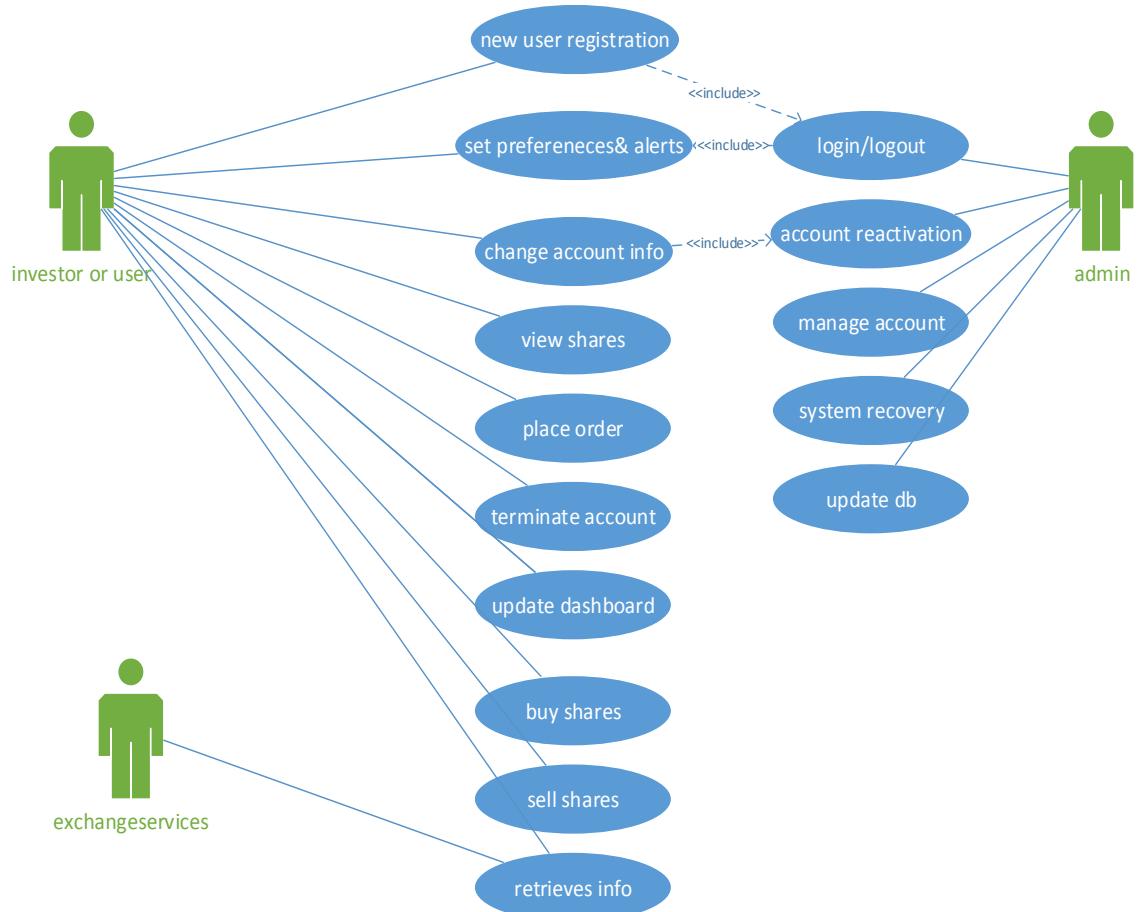
Use case diagram is the structure diagram which shows the communications among the use cases, actors in the system. Use cases are the elements present in the system

Actors involved are

- User
- Admin
- Exchange service

Use cases involved are

- New user registration
- Set preferences alerts
- Change account info
- View shares
- Login/logout
- Account reactivation
- Manage account
- System recovery
- Terminate account
- Retrieve amount
- Update database
- Place order
- View shares
- Sell shares
- Buy shares



## 5. Testing

### 8.1. Unit Testing

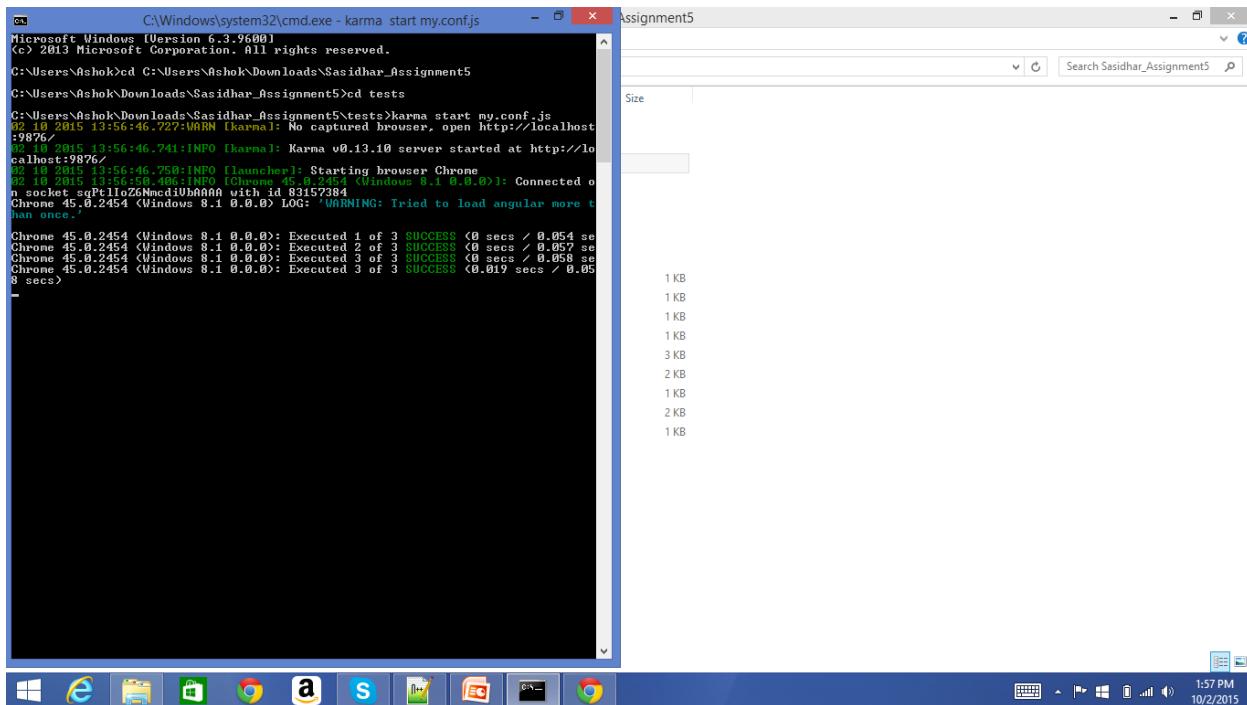
As the name indicates, the software or the system built is fragmented into small parts called as “units”. Where unit is like atom i.e.; smallest undividable part of the system or the software. Sometimes unit may be an entire module which is a main part of the system.

Unit testing facilitates the following advantages during the development of a system:

- Early detection of problems in the system
- Facilitates the changes to be made in the code as per customer requirements
- With unit testing Integration testing is easier
- Unit testing provides documentation for the developers
- The user interface part can be designed more effectively with unit testing.

Traditional Unit test cases consists of methods without parameters whereas Parameterized Unit test cases take parameters as functions and can be used for effective testing

**Limitation:** Unit testing does not allow identifying each and every bug in the system.



The screenshot shows a Windows desktop environment. On the left, a command prompt window titled 'C:\Windows\system32\cmd.exe - karma start my.conf.js' is open, displaying karma test logs. On the right, a file explorer window titled 'Assignment5' is open, showing a folder structure with files named '1 KB', '1 KB', '1 KB', '1 KB', '3 KB', '2 KB', '1 KB', '2 KB', and '1 KB'. The taskbar at the bottom shows various pinned icons, and the system tray indicates the date and time as 10/2/2015 at 1:57 PM.

```
C:\Windows\system32\cmd.exe - karma start my.conf.js
Microsoft Windows [Version 6.3.9600]
(c) 2013 Microsoft Corporation. All rights reserved.

C:\Users\Ashok>cd C:\Users\Ashok\Downloads\Sasidhar_Assignment5
C:\Users\Ashok\Downloads\Sasidhar_Assignment5>cd tests
C:\Users\Ashok\Downloads\Sasidhar_Assignment5\tests>karma start my.conf.js
10 10 2015 13:56:46.722:WARN [karma]: No captured browser, open http://localhost:9876/
10 10 2015 13:56:46.741:INFO [karma]: Karma v0.13.10 server started at http://localhost:9876/
10 10 2015 13:56:46.750:INFO [launcher]: Starting browser Chrome
10 10 2015 13:56:50.486:INFO [Chrome 45.0.2454 (Windows 8.1 0.0.0)]: Connected on socket sgPtlloz6NmndiU9AAA with id 83157384
Chrome 45.0.2454 (Windows 8.1 0.0.0) LOG: 'WARNING: Tried to load angular more than once.'
Chrome 45.0.2454 (Windows 8.1 0.0.0): Executed 1 of 3 SUCCESS <0 secs / 0.054 sec>
Chrome 45.0.2454 (Windows 8.1 0.0.0): Executed 2 of 3 SUCCESS <0 secs / 0.057 sec>
Chrome 45.0.2454 (Windows 8.1 0.0.0): Executed 3 of 3 SUCCESS <0 secs / 0.058 sec>
Chrome 45.0.2454 (Windows 8.1 0.0.0): Executed 3 of 3 SUCCESS <0.019 secs / 0.058 sec>
```

## 5.2 Performance Testing

Performance testing is most likely used to determine the Performance of the system in every aspect.

Types of Performance testing:

- **Load Testing:** Here the maximum capacity or the bottlenecks of the system are determined in terms of server load etc.
- **Stress Testing:** Gives an idea on the boundaries of the system
- **Soak Testing:** This is done to determine if the system can persist continuous load as expected to.
- **Spike Testing:** In this testing the load of the system is suddenly increased to determine the performance.
- **Configuration Testing:** These tests are most likely to determine the configuration changes made
- **Isolation Testing:** This refers to retesting the system where fault occurs

Some of the performance goals include:

- Maximize throughput
- Reduce Server response time
- Reduce Render response time

## Performance testing Results

### 1. Performance Testing on Place New Order Page.

The screenshot shows a web browser window with multiple tabs open. The active tab displays a website titled "TRADE MONITORING" with a sub-header "... A Place for Marketing and Innovation". The page features a navigation bar with links for Home, Portfolio, Market Watch, New Order, Order History, and Signout. A toll-free phone number "05 713 091 416" is prominently displayed on the right. Below the header, there are sections for "Our Services" and "Place New Order". A YSlow performance audit is overlaid on the page, showing a grade of "Grade B" with an overall performance score of 88. The audit highlights several issues under the "Grade A" section, specifically regarding HTTP requests, Content Delivery Network, and Expires headers. It also provides tips for compressing components with gzip and putting CSS at the top. The audit interface includes a "Read More" link and social sharing options. The browser's status bar at the bottom shows the date and time as "ENG 12:07 PM IN 11/11/2015".

## 2. Components result.

The screenshot shows a web browser window with multiple tabs open. The active tab displays the 'TRADE MONITORING' application. The page header includes the title 'TRADE MONITORING', a subtitle '.... A Place for Marketing and Innovation', and a toll-free number '05 713 091 416'. Below the header is a navigation bar with links for Home, Portfolio, Market Watch, New Order, Order History, and Signout. A yellow arrow icon is positioned next to the Home link. The main content area contains a table with columns for TYPE, SIZE (KB), GZIP (KB), COOKIE RECEIVED (bytes), COOKIE SENT (bytes), HEADERS, URL, EXPIRES (Y/M/D), RESPONSE TIME (ms), ETag, and ACTION. The table lists four components: doc (1), css (1), cssimage (5), and favicon (1). Below the table is a note about the \* type column indicating the component is loaded after window onload event and a † symbol denoting 1x1 pixels image that may be image beacon. At the bottom of the page is a copyright notice: 'Copyright © 2015 Yahoo! Inc. All rights reserved.' To the right of the main content is a sidebar with links for Profile Details, Update Profile, Membership ID, and Change Password. The status bar at the bottom of the browser window shows system information: ENG IN 12:09 PM 11/11/2015.

## 3.Statistics

The screenshot shows a web browser window with multiple tabs open. The active tab displays the 'TRADE MONITORING' application. The page header includes the title 'TRADE MONITORING', a subtitle '.... A Place for Marketing and Innovation', and a toll-free number '05 713 091 416'. Below the header is a navigation bar with links for Home, Portfolio, Market Watch, New Order, Order History, and Signout. A yellow arrow icon is positioned next to the Home link. The main content area features a section titled 'Statistics' with the message 'The page has a total of 8 HTTP requests and a total weight of 119.4K bytes with empty cache'. Below this is a section titled 'WEIGHT GRAPHS' containing two pie charts. The left chart, titled 'HTTP Requests - 8 Total Weight - 119.4K', shows the distribution of file types: 1 HTML/Text (12.7K), 1 Stylesheet File (8.0K), 5 CSS Image (97.4K), and 1 Favicon (1.2K). The right chart, titled 'HTTP Requests - 8 Total Weight - 13.9K', shows the distribution for a primed cache: 1 HTML/Text (12.7K), 1 Stylesheet File (0.0K), 5 CSS Image (0.0K), and 1 Favicon (1.2K). To the right of the charts is a sidebar with links for Profile Details, Update Profile, Membership ID, and Change Password. The status bar at the bottom of the browser window shows system information: ENG IN 12:09 PM 11/11/2015.

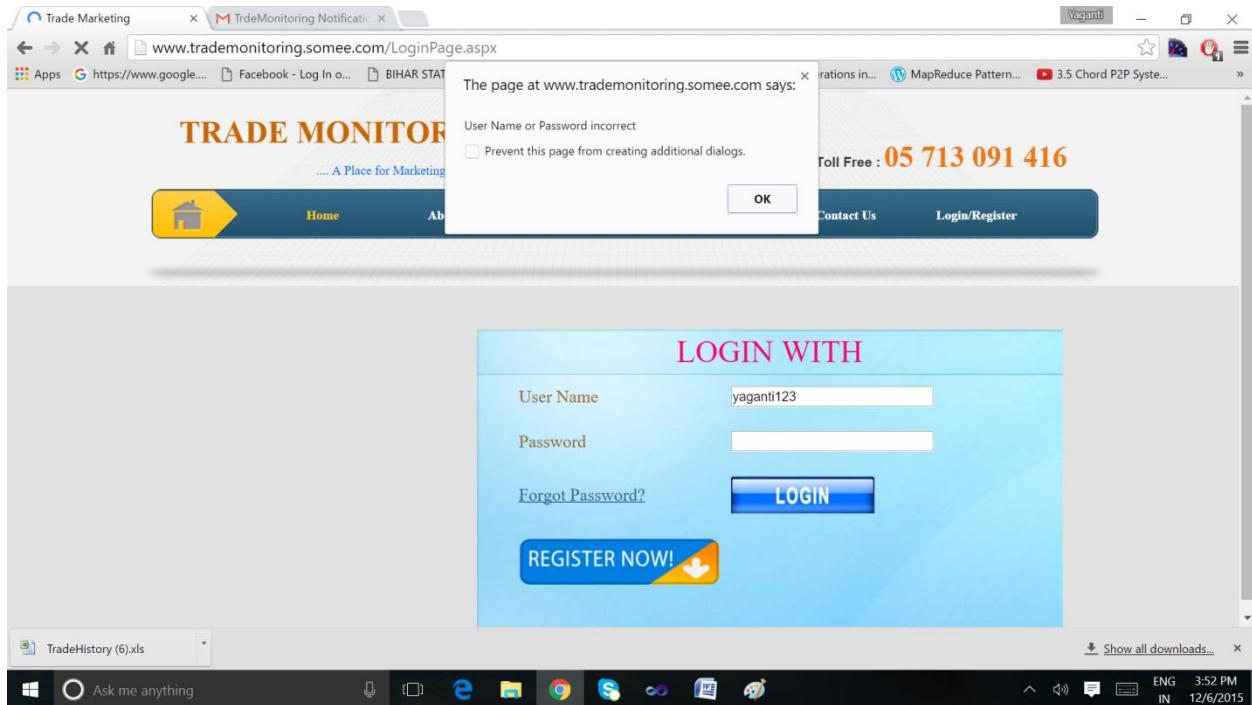
## 5.3 A/B Testing

This testing determines which design is the best fit for the system. This testing typically involves more clients or the user group of the system where the task of the clients is to grade the usability of the systems A and B.

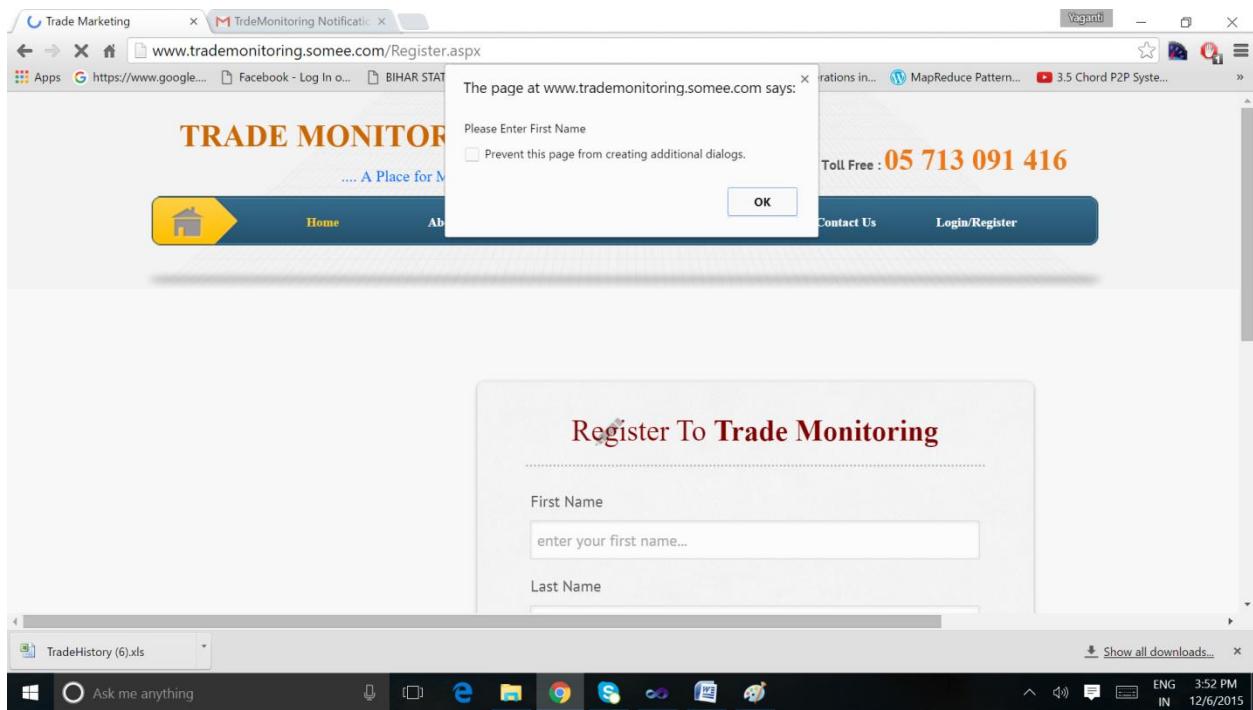
- Based on the observations made from the clients the developers determine which design has to be finalized and the fields that require amendments are made based on the feedback of the user group.
- This is the prominent technique in the field of Business to improve the needs of the clients to attract more users into their Business

## Testing Results :

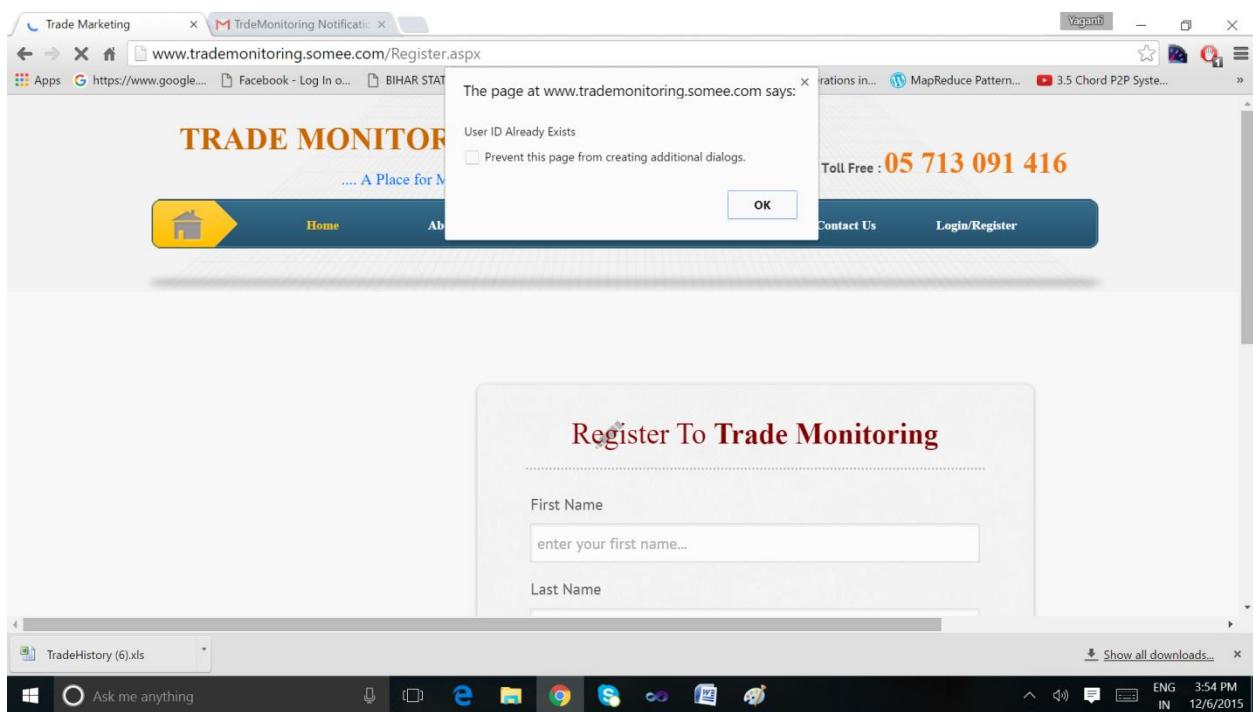
### 1. Email ID or Password Incorrect :



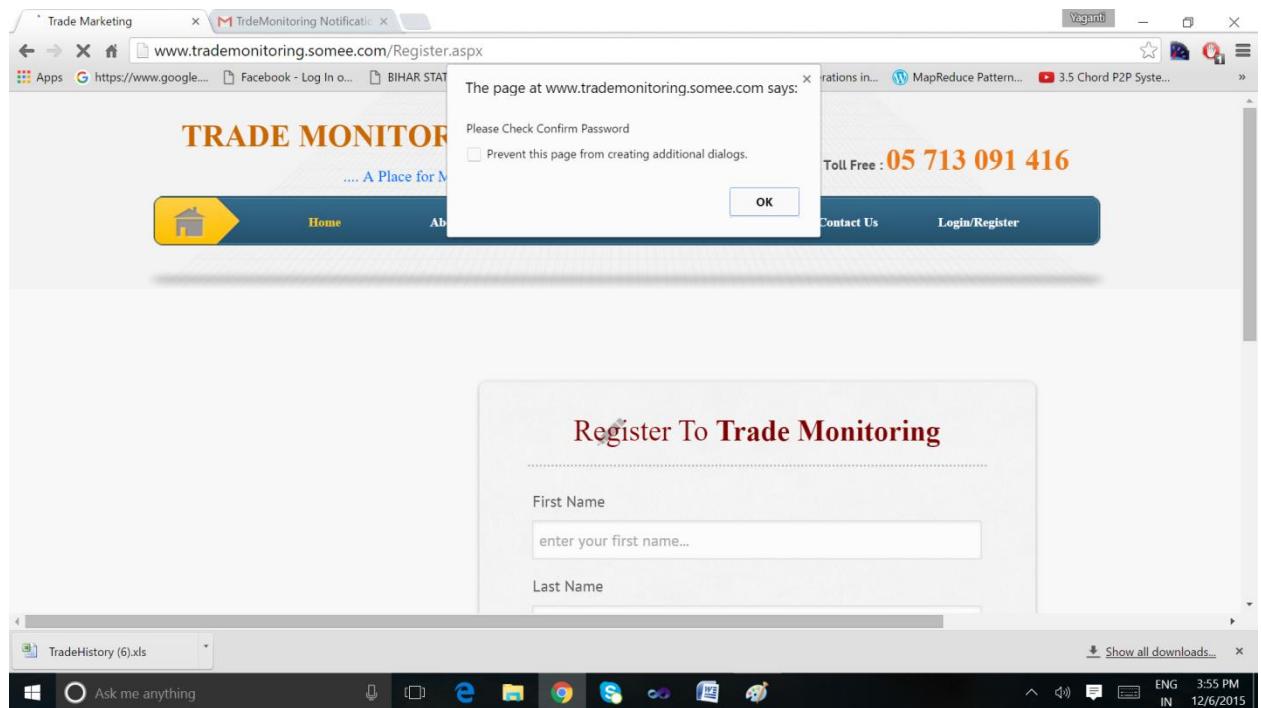
## 2. Required filed Validation.



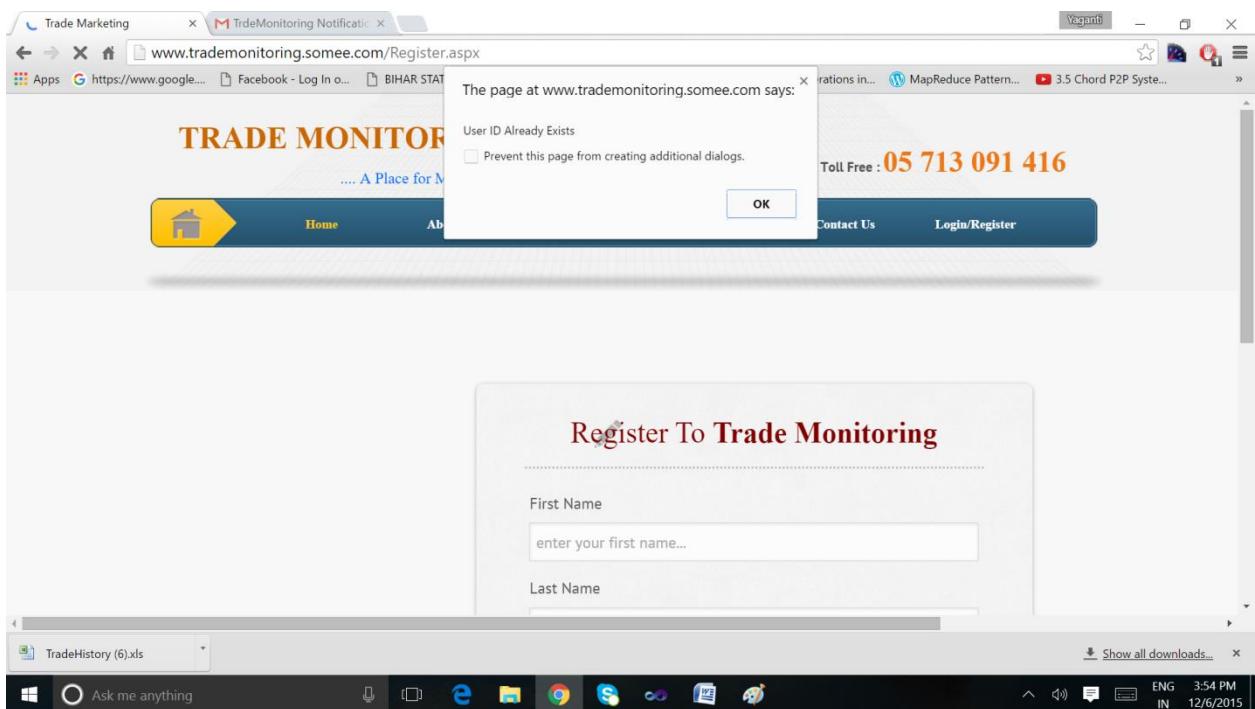
## 3. Alphabets Validation.



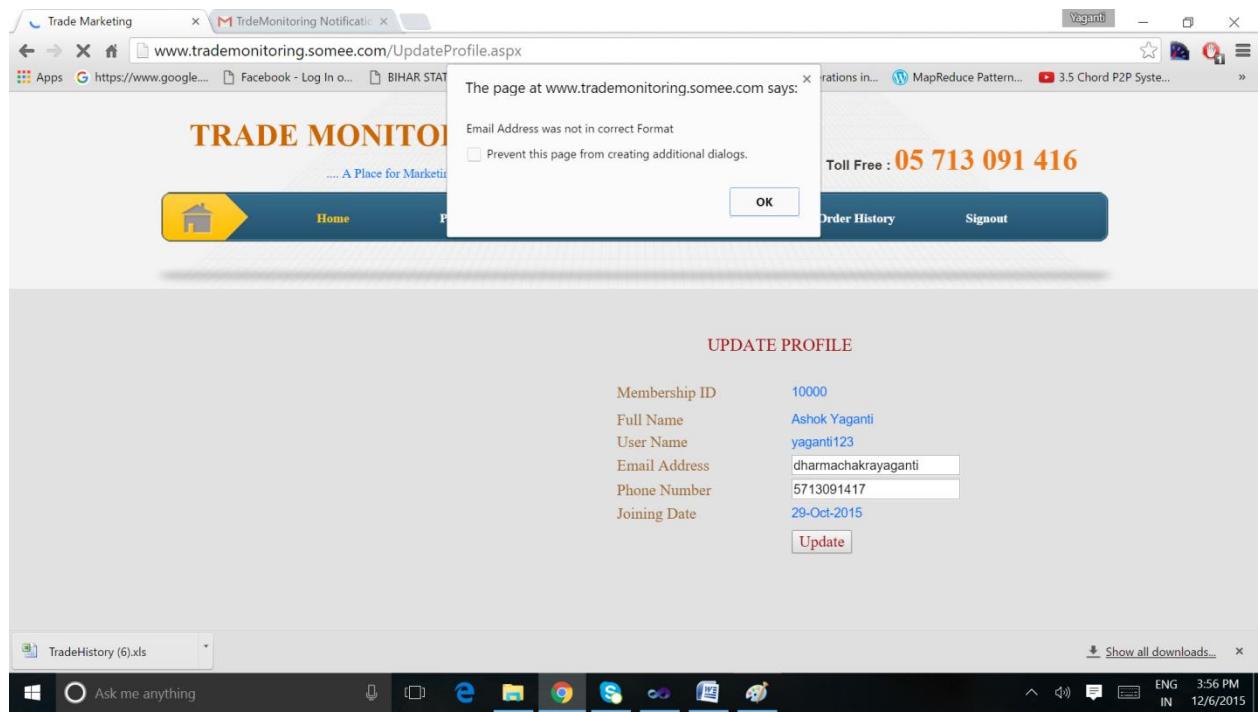
#### 4. Compare Validation:



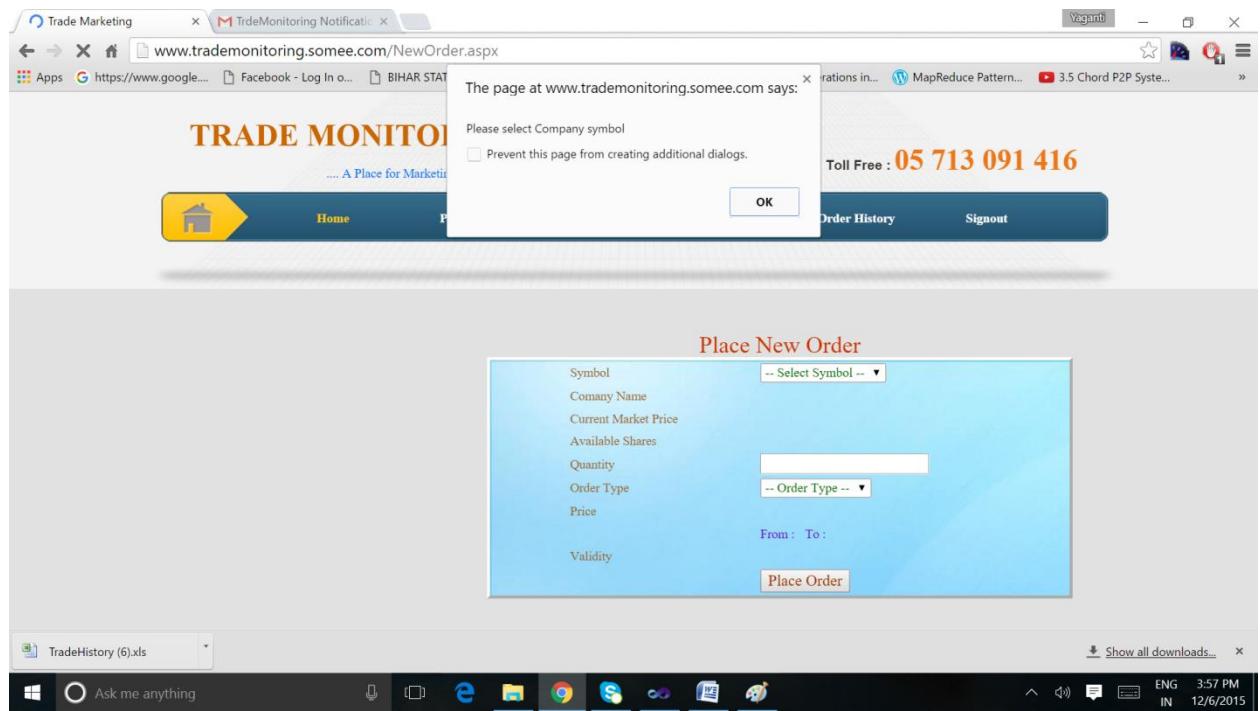
#### 5. Unique Key Validation.



## 6. Regular Expression (Email) Validation:



## 7. Dropdown List select Validation :



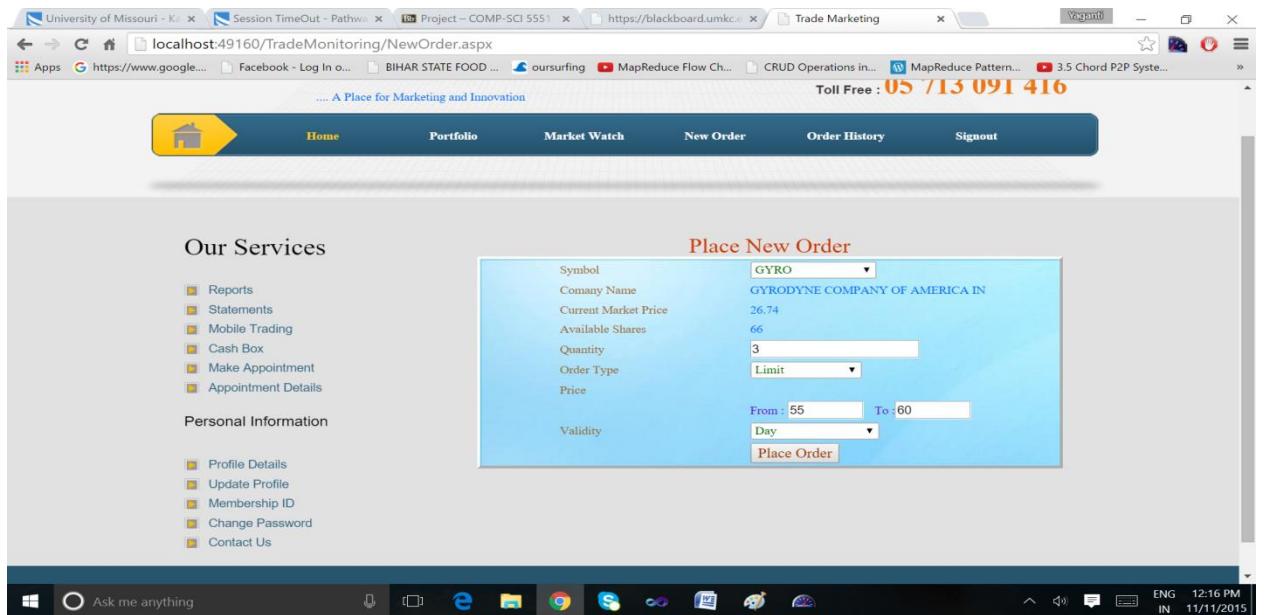
## 6. Implementation

### 6.1. Server side Implementation.

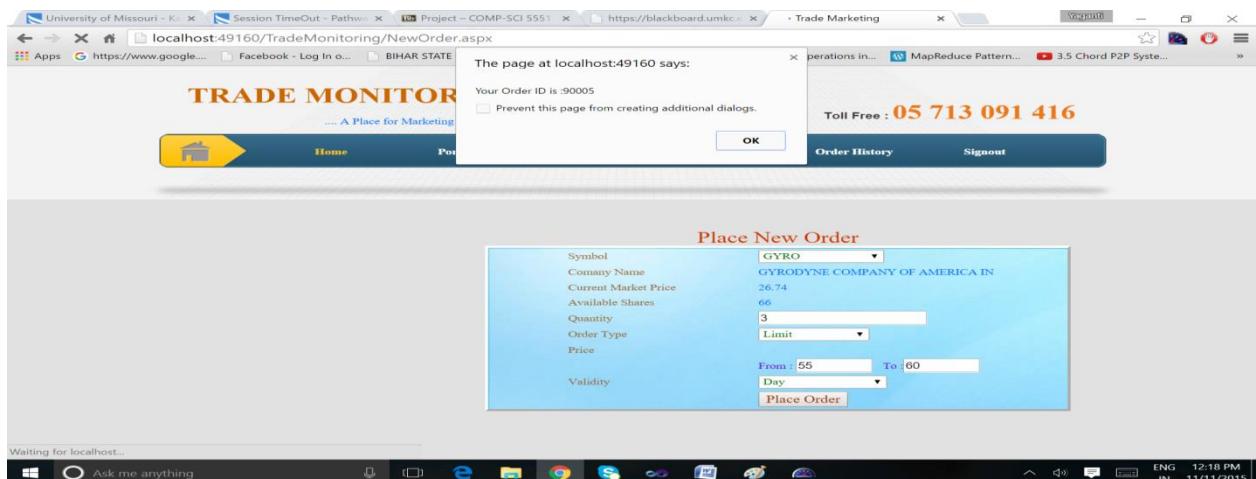
First, all the clients will be linked to our server for many reasons like authentication, storing profile information and applying the purchase. For that we have to create data access layer to manipulate the data and control it and display it so we used SQL server compact with MongoDB achieve that. For the application design code we used .ASP and AngularJS to link the code with the MongoDB data base.

#### Implementation results:

1. **Placing New Order :** Here user can buy the shares instantly with the current market value and can place the order for price range and time limit.



2. For placing the order with time limit user shares will be on hold and get order ID.



### 3. Portfolio Page (Displays all the Bought shares with profit and loss details).

The screenshot shows a web browser window with the URL <https://blackboard.umkc.edu/> in the address bar. The page title is "Trade Marketing". The main content area displays a table titled "Our Services" under the heading "Personal Information". The table lists the following data:

ORDER DATE	SYMBOL	QUANTITY	PRICE	MARKET PRICE	TOTAL COST	TOTAL MARKET COST	PROFIT/LOSS	SELL
11/3/2015 12:10:59 PM	HFWA	4	18.64	19.67	74.56	78.68	4.12	<a href="#">Sell</a>
10/26/2015 1:23:24 AM	INFY	2	18.39	17.490	36.78	34.98	-1.80	<a href="#">Sell</a>
10/26/2015 1:23:14 AM	LAKE	2	14.95	12.80	29.9	25.6	-4.30	<a href="#">Sell</a>
11/3/2015 12:31:52 PM	LAKE	2	12.7	12.80	25.4	25.6	0.20	<a href="#">Sell</a>
10/26/2015 1:22:35 AM	NATI	2	28.65	30.10	57.3	60.2	2.90	<a href="#">Sell</a>
11/3/2015								

Below the table, there are three summary statistics:

- Total Cost (When User Bought) : 436.11
- Total Market Price (Current) : 455.89
- Profit/Loss : 19.78

At the bottom of the page, there is a copyright notice: "Copyright © 2008 Trade Monitoring @ trademonitoring.somee.com". The status bar at the bottom right shows "ENG 12:20 PM IN 11/11/2015".

### 4. Sell Shares: User can sell the shares by clicking the sell button in portfolio page. User can see the shares how much quantity user want to sell.

If user forgot his password and requests recovery password will sent the email.

The screenshot shows a web browser window with the URL <https://blackboard.umkc.edu/> in the address bar. The page title is "Trade Marketing". A modal dialog box is displayed in the center of the screen with the message: "The page at localhost:49160 says: You have successfully sold the shares". There is a checkbox labeled "Prevent this page from creating additional dialogs." and two buttons: "OK" and "Cancel".

The main content area has a header "TRADE MONITOR" and a sub-header "... A Place for Marketing". Below this, there is a "SELL SHARES HERE" section. The form fields are:

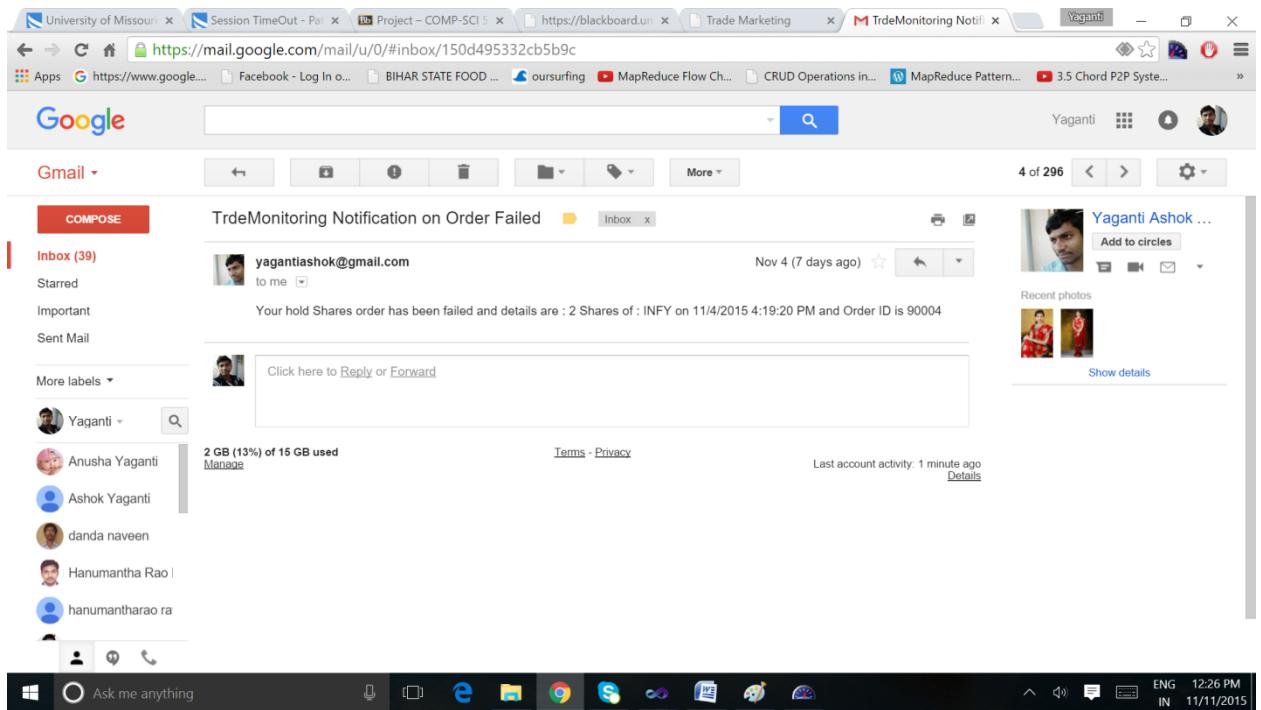
Symbol	HFWA
Quantity	4
Market Price	19.67
Sell Quantity	<input type="text" value="2"/>

A "Sell" button is located below the form. At the bottom of the page, there is a status bar with "Waiting for localhost..." and "Ask me anything". The status bar at the bottom right shows "ENG 12:22 PM IN 11/11/2015".

## 5. Email notifications on buy shares, sell shares and failed shares and on hold shares.

The screenshot shows a Gmail inbox with 40 messages. An email from 'yagantiaashok@gmail.com' is selected, titled 'TrdeMonitoring Notification on Hold Shares'. The message content is: 'You have Placed the order of: 3 Shares on : 11/11/2015 12:17:54 PM from : GYRO and Order ID is : 90005. The Order is open till :11/12/2015 12:17:54 PM'. The Gmail interface includes a search bar, compose button, and various inbox controls. The bottom of the screen shows a Windows taskbar with the date and time as 11/11/2015 12:24 PM.

The screenshot shows a Gmail inbox with 39 messages. An email from 'yagantiaashok@gmail.com' is selected, titled 'TrdeMonitoring Notification on Sold Shares'. The message content is: 'You have Sold : 2 Shares of : HFVA on 11/11/2015 12:22:42 PM. Now you have :2 to Sell'. The Gmail interface includes a search bar, compose button, and various inbox controls. The bottom of the screen shows a Windows taskbar with the date and time as 11/11/2015 12:25 PM.



**6. Schedule appointment:** User can schedule the appointment to meet directly to resolve the issues.

The page at localhost:49160 says:

Your appointment has been Scheduled

Prevent this page from creating additional dialogs.

**Toll Free : 05 713 091 416**

**Schedule Appointment Here**

Select Date : 11/12/2015

Sun	Mon	Tue	Wed	Thu	Fri	Sat
25	26	27	28	29	30	31
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	1	2	3	4	5

Connecting... Booked Available No Slots

University of Missouri x Session TimeOut - Pa x Project - COMP-SCI 5 x https://blackboard.u... x Trade Marketing x TrdeMonitoring Notif x Vagant! - \_

localhost:49160/TradeMonitoring/appointment.aspx

Apps Google Facebook - Log In o... BIHAR STATE FOOD ...oursurfing MapReduce Flow Ch... CRUD Operations in... MapReduce Pattern... 3.5 Chord P2P Syst... 11/11/2015

## Our Services

- Reports
- Statements
- Mobile Trading
- Cash Box
- Make Appointment
- Appointment Details

### Personal Information

- Profile Details
- Update Profile
- Membership ID
- Change Password
- Contact Us

Select Date :

Schedule Appointment Here

November 2015						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
25	26	27	28	29	30	31
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	1	2	3	4	5

■ Booked ■ Available ■ No Slots

Morning	10:00-11:00	11:00-12:00	12:00-13:00
Available	Booked	Booked	Booked
Afternoon	13:00-14:00	14:00-15:00	15:00-16:00
Available	Booked	Booked	Booked

Copyright © 2048 Trade Monitoring @ [trademonitoring.somee.com](http://trademonitoring.somee.com)

## **7. Displaying the appointment details and cancel appointment:**

The screenshot shows a web browser with multiple tabs open, including 'University of Missouri', 'Session TimeOut - Pali', 'Project - COMP-SCI 5', 'https://blackboard.u... Trade Marketing', 'TradeMonitoring Notif...', and 'Yaganti'. The main content area has a header 'TRADE MONITORING' and a sub-header '.... A Place for Marketing and Innovation'. On the left, there's a sidebar with icons for Reports, Statements, Mobile Trading, Cash Box, Make Appointment, and Appointment Details. The right side displays 'APPOINTMENT DETAILS' with a table showing three entries: Appointment ID 504 on 11/12/2015 at 10:30-11:00, Appointment ID 502 on 11/18/2015 at 11:00-11:30, and Appointment ID 500 on 11/19/2015 at 10:30-11:00. Each row has a 'Cancel' link in the last column. The bottom navigation bar includes links for Home, Portfolio, Market Watch, New Order, Order History, and Signout.

## 8. Exporting the Gridview data to the excel.

Screenshot of a web browser showing a gridview export feature:

The page title is "Our Services" and the sub-section is "Historical Stock Information".

A sidebar on the left lists links: "What Is Trading?", "How to Place order?", "Trade History", "Billing Details", "Address & Timings", "Gallery", and "FAQ?".

A dropdown menu shows "Company Symbol" set to "INFY".

An "Export To Excel" button is visible above a table.

The table has columns: Symbol, Date, Open, High, Low, Close, Volume, and AdjClose.

The data in the table is as follows:

Symbol	Date	Open	High	Low	Close	Volume	AdjClose
INFY	2015-11-10	17.459999	17.49	17.299999	17.459999	2484100	17.459999
INFY	2015-11-09	17.809999	17.9	17.66	17.66	4174900	17.66
INFY	2015-11-06	18.10	18.17	17.77	17.90	3423600	17.90
INFY	2015-11-05	18.07	18.18	18.059999	18.09	4262100	18.09
INFY	2015-11-04	18.34	18.35	18.139999	18.15	1926500	18.15
INFY	2015-11-03	18.190001	18.610001	17.959999	18.35	2939100	18.35
INFY	2015-11-02	18.08	18.35	17.91	18.26	2492100	18.26
INFY	2015-10-30	18.190001	18.200001	18.030001	18.16	1928500	18.16
INFY	2015-10-29	18.370001	18.469999	18.17	18.290001	2617500	18.290001
INFY	2015-10-28	18.48	18.719999	18.34	18.60	3413600	18.60
INFY	2015-10-27	18.50	18.620001	18.33	18.50	2221200	18.50
INFY	2015-10-26	18.49	18.629999	18.450001	18.50	2197800	18.50
INFY	2015-10-23	18.389999	18.66	18.25	18.620001	4274600	18.620001
INFY	2015-10-22	17.77	18.18	17.709999	18.16	2600900	18.16
INFY	2015-10-21	18.110001	18.120001	17.59	17.65	4361700	17.65
INFY	2015-10-20	18.110001	18.16	17.93	18.049999	7693800	18.049999

The status bar at the bottom shows "Ask me anything", the date "11/11/2015", and the time "12:32 PM".

Screenshot of Microsoft Excel showing the exported data:

The title bar says "TradeHistory (3) - Microsoft Excel".

The ribbon tabs are Home, Insert, Page Layout, Formulas, Data, Review, View, Team.

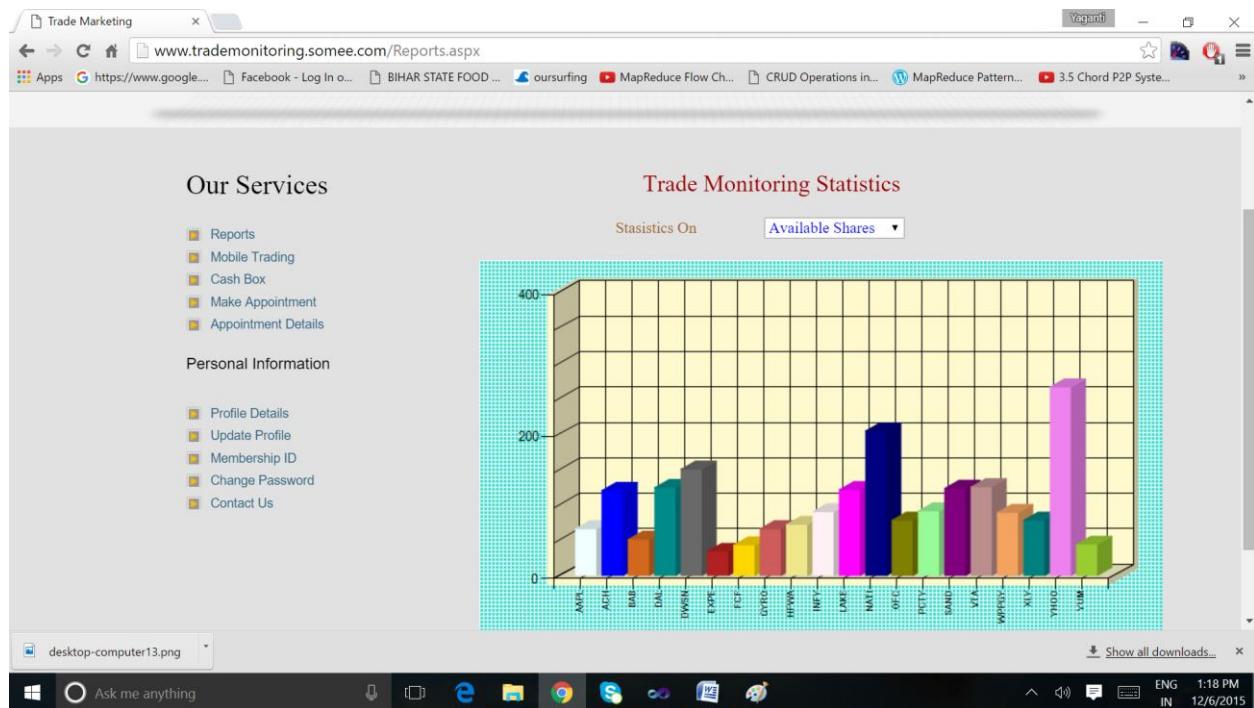
The data is pasted into a new sheet with columns: Symbol, Date, Open, High, Low, Close, Volume, and AdjClose.

The data in the table is identical to the one shown in the browser screenshot.

The status bar at the bottom shows "Ask me anything", the date "11/11/2015", and the time "12:33 PM".

**9. Shares Statistics:** Shares statistics represent the available shares, bought shares and sold shares.

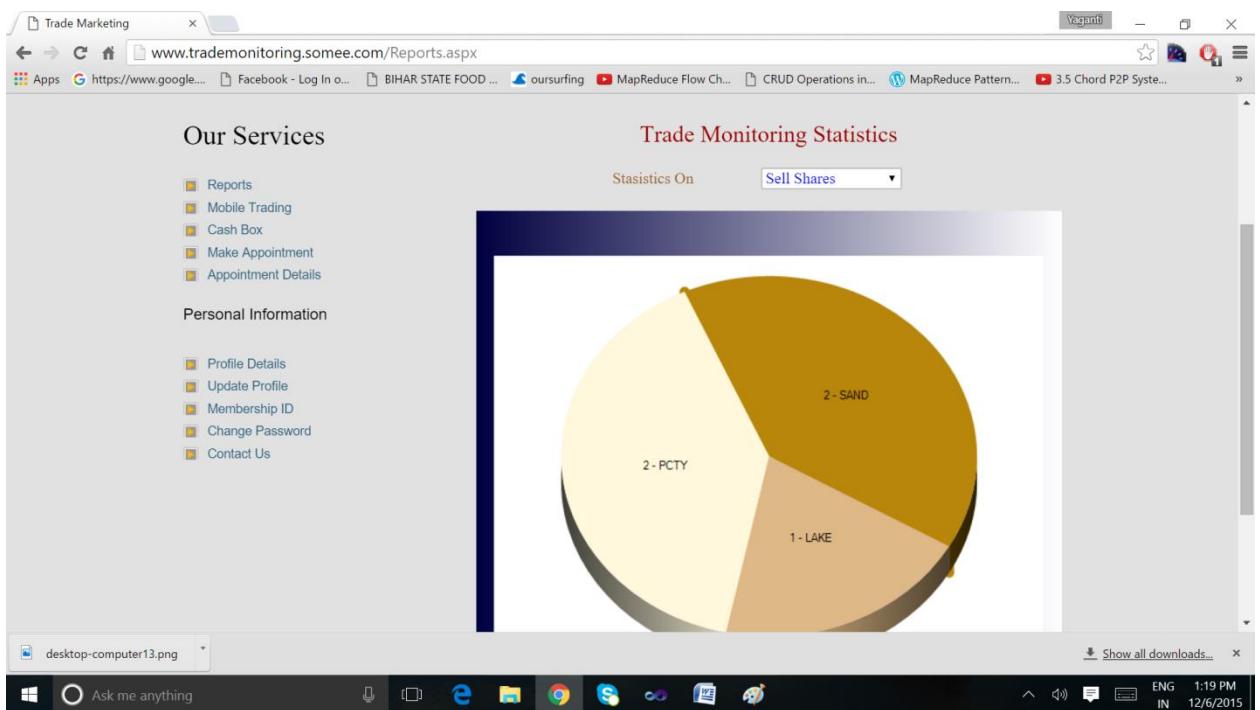
This screen represent the available shares on each symbol.



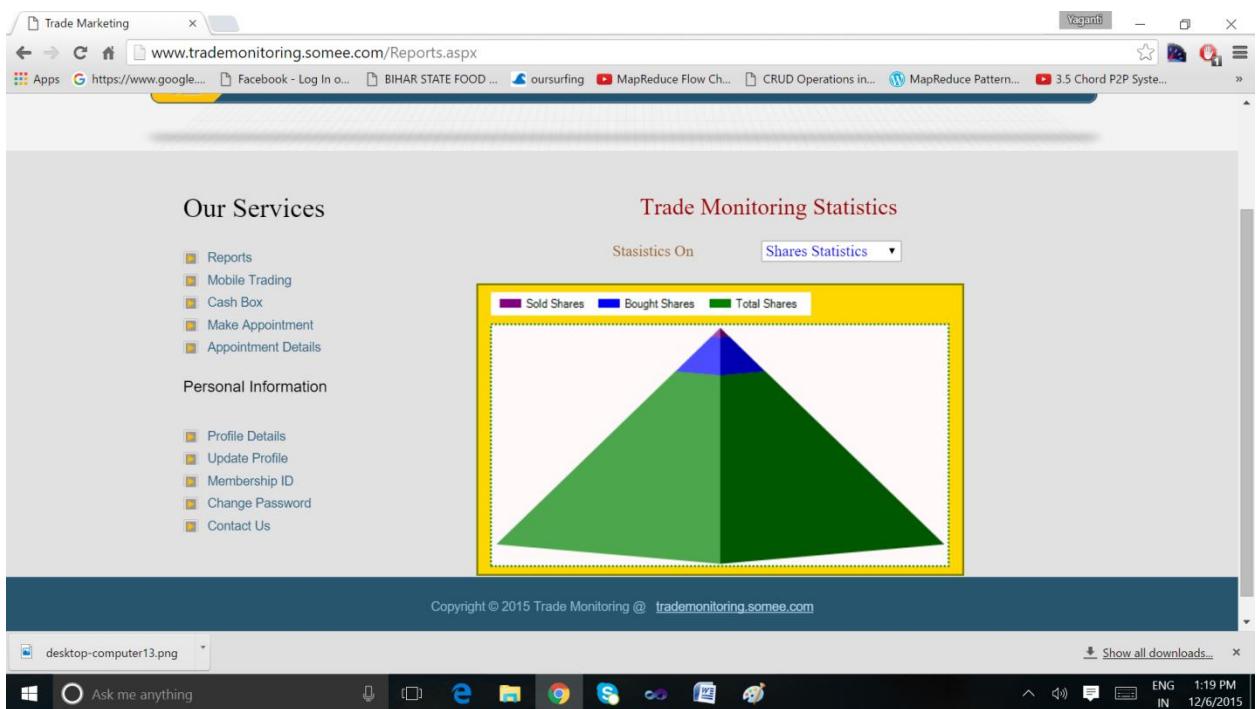
This screen represent the Bought Shares statistics



This Screen represent the Sold shares Statistics on each symbol.



This screen represents the comparison of available shares, bought shares, Sold shares.



## 6.2. Client side implementation

For the client it is so important to have specific services he can do such as:

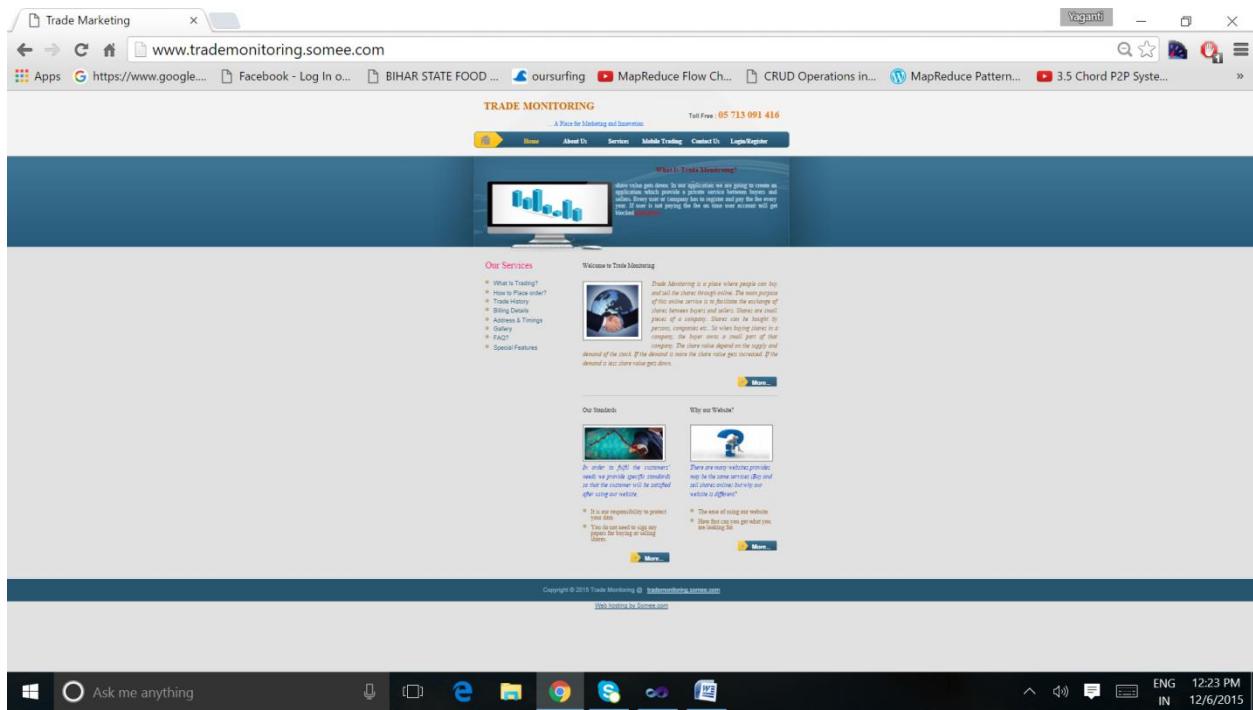
GET: clients should be able to get the information they require from the server side.

PUSH: clients should be able to upload information to server after updating it and retrieve it whenever they want.

Clients will deal with dynamic HTML pages with CSS scripting language to achieve that.

### Implementation results:

1. Client side implementations represent the design of complete UI Part. Home page gives the complete information of our website and contact details.



## 2. Login Page :

The screenshot shows a web browser window titled "Trade Marketing" with the URL [www.trademonitoring.somee.com/LoginPage.aspx](http://www.trademonitoring.somee.com/LoginPage.aspx). The page has a header with the text "TRADE MONITORING" and ".... A Place for Marketing and Innovation". It features a toll-free number "Toll Free : 05 713 091 416". Below the header is a navigation menu with links for Home, About Us, Services, Mobile Trading, Contact Us, and Login/Register. On the left side, there is a sidebar titled "Our Services" with a list of options: What Is Trading?, How to Place order?, Trade History, Billing Details, Office Address, Gallery, FAQ?, and Special Features. The main area contains a "LOGIN WITH" form with fields for User Name and Password, a "Forgot Password?" link, a "LOGIN" button, and a "REGISTER NOW!" button. The bottom of the page includes a copyright notice "Copyright ©2015 Trade Monitoring @ trademonitoring.somee.com" and a Windows taskbar with various icons.

## 3. New Order Page.

The screenshot shows a web browser window titled "Trade Marketing" with the URL [www.trademonitoring.somee.com/NewOrder.aspx](http://www.trademonitoring.somee.com/NewOrder.aspx). The page has a header with the text "TRADE MONITORING" and ".... A Place for Marketing and Innovation". It features a toll-free number "Toll Free : 05 713 091 416". Below the header is a navigation menu with links for Home, Portfolio, Market Watch, New Order, Order History, and Signout. On the left side, there is a sidebar titled "Our Services" with a list of options: Reports, Mobile Trading, Cash Box, Make Appointment, and Appointment Details. Another sidebar titled "Personal Information" lists: Profile Details, Update Profile, Membership ID, Change Password, and Contact Us. The main area contains a "Place New Order" form with fields for Symbol (dropdown menu), Company Name, Current Market Price, Available Shares, Quantity, Order Type (dropdown menu), Price, From: To: (text input), and Validity (checkbox). A "Place Order" button is at the bottom right of the form. The bottom of the page includes a Windows taskbar with various icons.

#### 4. Portfolio Page.

The screenshot shows a web browser window titled "Trade Marketing" with the URL [www.trademonitoring.somee.com/Portfolio.aspx](http://www.trademonitoring.somee.com/Portfolio.aspx). The page header includes "TRADE MONITORING", "Toll Free : 05 713 091 416", and a navigation menu with links for Home, Portfolio, Market Watch, New Order, Order History, and Signout. Below the menu is a section titled "Our Services" with links for Reports, Mobile Trading, Cash Box, Make Appointment, and Appointment Details. Another section titled "Personal Information" lists Profile Details, Update Profile, Membership ID, Change Password, and Contact Us. To the right is a table of trading orders:

ORDER DATE	SYMBOL	QUANTITY	PRICE	MARKET PRICE	TOTAL COST	TOTAL MARKET COST	PROFIT/LOSS	SELL
11/24/2015 9:05:52 PM	BAB	5	29.05	29.01	145.25	145.05	-0.20	<button>Sell</button>
11/24/2015 9:04:29 PM	GYRO	2	49.98	26.69	99.96	53.38	-46.58	<button>Sell</button>
11/24/2015 8:59:13 PM	LAKE	2	15.15	16.97	30.3	33.94	3.64	<button>Sell</button>
11/24/2015 8:58:28 PM	NATI	1	30.33	30.85	30.33	30.85	0.52	<button>Sell</button>
10/31/2015 2:08:47 PM	PCTY	2	33.64	42.55	67.28	85.1	17.82	<button>Sell</button>
11/24/2015 8:55:44 PM	SAND	3	2.67	2.70	8.01	8.1	0.09	<button>Sell</button>

At the bottom of the screen, the taskbar shows various application icons and the system clock indicating 12:25 PM on 12/6/2015.

#### 5. Cash Box Page.

The screenshot shows a web browser window titled "Trade Marketing" with the URL [www.trademonitoring.somee.com/CashBox.aspx](http://www.trademonitoring.somee.com/CashBox.aspx). The page header includes "TRADE MONITORING", "Toll Free : 05 713 091 416", and a navigation menu with links for Home, Portfolio, Market Watch, New Order, Order History, and Signout. Below the menu is a section titled "Our Services" with links for Reports, Mobile Trading, Cash Box, Make Appointment, and Appointment Details. Another section titled "Personal Information" lists Profile Details, Update Profile, Membership ID, Change Password, and Contact Us. To the right is a "MAKE PAYMENT" section with fields for Amount (\$), Card Number, Expiry Date (dropdown menus for Month and Year), Card Type (dropdown menu), and Security Number. A message at the top right states "Your Cash Box amount is : 399.01". At the bottom of the screen, the taskbar shows various application icons and the system clock indicating 12:26 PM on 12/6/2015.

## 6. Appointment Page

The screenshot shows a web browser window titled "Trade Marketing" with the URL [www.trademonitoring.somee.com/appointment.aspx](http://www.trademonitoring.somee.com/appointment.aspx). The page has a dark blue header with a yellow arrow icon and navigation links: Home, Portfolio, Market Watch, New Order, Order History, and Signout. Below the header, there are two main sections: "Our Services" on the left and "Schedule Appointment Here" on the right. The "Our Services" section lists icons for Reports, Mobile Trading, Cash Box, Make Appointment, and Appointment Details. The "Personal Information" section lists icons for Profile Details, Update Profile, Membership ID, Change Password, and Contact Us. To the right, a date picker shows December 2015 with the 16th highlighted in blue. A legend indicates that red squares represent "Booked" slots, green squares represent "Available" slots, and orange squares represent "No Slots". Below the calendar, a grid shows availability for Morning and Afternoon slots from 10:00 AM to 04:00 PM. At the bottom of the page, there is a Windows taskbar with various pinned icons and system status information.

## 7. User Profile Page.

The screenshot shows a web browser window titled "Trade Marketing" with the URL [www.trademonitoring.somee.com/UserProfile.aspx](http://www.trademonitoring.somee.com/UserProfile.aspx). The page has a dark blue header with a yellow arrow icon and navigation links: Home, Portfolio, Market Watch, New Order, Order History, and Signout. Below the header, there is a "TRADE MONITORING" logo and the tagline "... A Place for Marketing and Innovation". On the right, a toll-free number is listed as 05 713 091 416. The main content area includes a "Our Services" section with icons for Reports, Mobile Trading, Cash Box, Make Appointment, and Appointment Details. The "Personal Information" section displays user details: Membership ID (10000), Full Name (Ashok Yaganti), User Name (yaganti123), Email Address (dharmaachakrayaganti@gmail.com), Phone Number (5713091416), and Joining Date (29-Oct-2015). To the right of the details is a small profile picture of a man, with a link below it to "Change profile Picture". At the bottom of the page, there is a Windows taskbar with various pinned icons and system status information.

## 8. Change Password Page.

The screenshot shows a web browser window for 'Trade Marketing' at [www.trademonitoring.somee.com/ChangePassword.aspx](http://www.trademonitoring.somee.com/ChangePassword.aspx). The page title is 'TRADE MONITORING' with the subtitle '.... A Place for Marketing and Innovation'. On the right, there is a 'CHANGE PASSWORD HERE' form with fields for 'Membership ID', 'Old Password', 'New Password', and 'Confirm Password', along with a 'Change Password' button. On the left, there are two sections: 'Our Services' with icons for Reports, Mobile Trading, Cash Box, Make Appointment, and Appointment Details; and 'Personal Information' with icons for Profile Details, Update Profile, and Membership ID. The browser's address bar shows the URL, and the taskbar at the bottom includes the Windows Start button, a search bar, and various pinned icons.

## 9. Password Recovery Page.

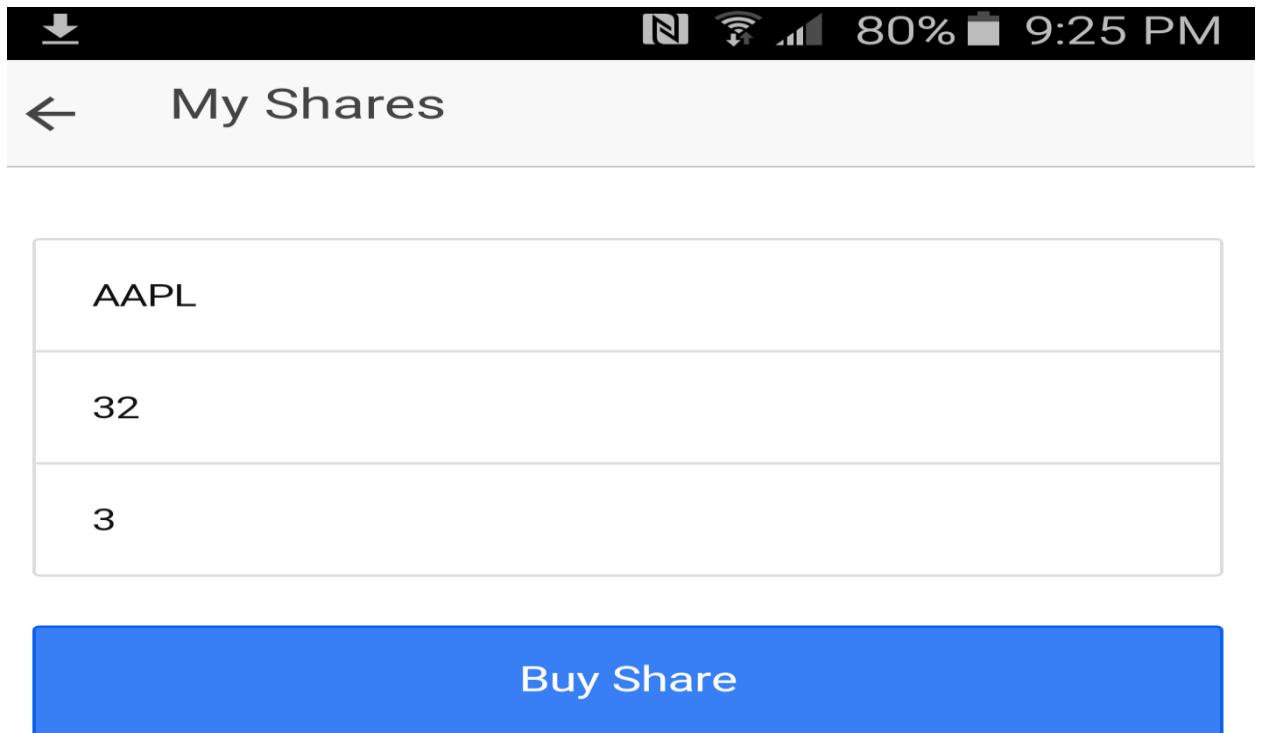
The screenshot shows a web browser window for 'Trade Marketing' at [www.trademonitoring.somee.com/Forgot.aspx](http://www.trademonitoring.somee.com/Forgot.aspx). The page title is 'TRADE MONITORING' with the subtitle '.... A Place for Marketing and Innovation'. On the right, there is a 'Password Recovery' form with fields for 'Membership ID' and 'Email ID', along with a 'Get Password' button. On the left, there is a section titled 'Our Services' with icons for What Is Trading, How to Place order?, Trade History, Billing Details, Office Address, Gallery, FAQ?, and Special Features. The browser's address bar shows the URL, and the taskbar at the bottom includes the Windows Start button, a search bar, and various pinned icons.

### 6.3. Android implementation

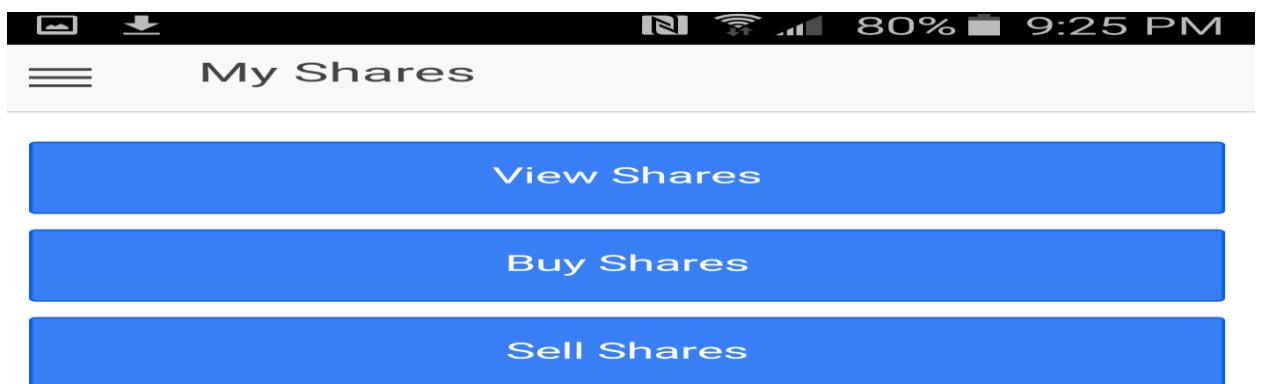
Android in-app services provide straightforward interface to manage transactions like get and push requests and responses.

#### Implementation Results:

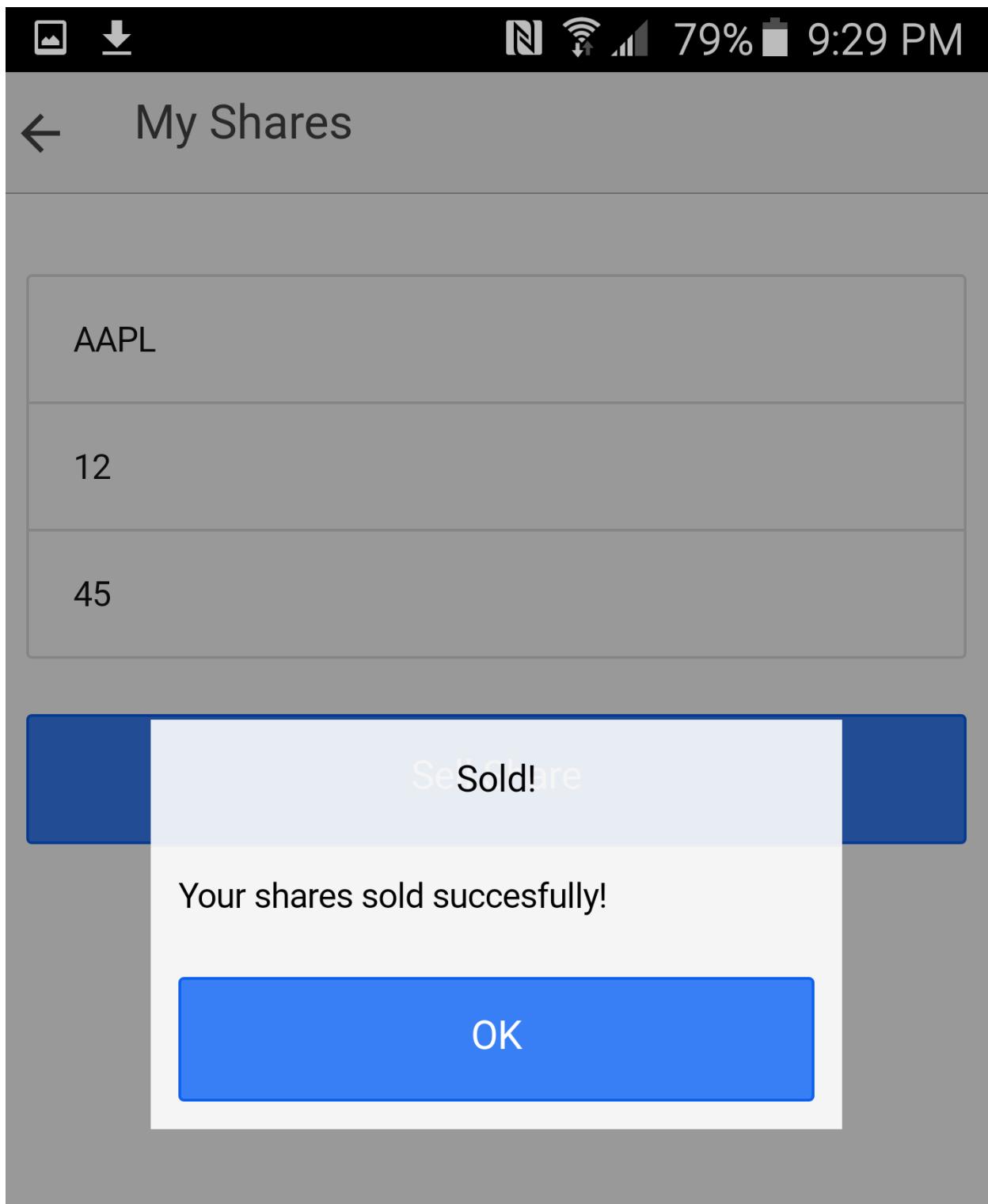
1. **Buy Shares:** Here user can buy the shares(Mobile app)



2. **My Stock:** User can navigate to Buy shares, Sell shares and view shares.



**3. Sell shares :** User can sell the shares here.



4. Current stock Information of different companies.





Market Data		Last trade: 3:00 PM	
Ask:	<b>25.090</b>	Bid:	<b>25.020</b>
Prev. Close:	<b>25.020</b>	Open:	<b>25.020</b>
Day's High:	<b>25.380</b>	Day's Low:	<b>24.760</b>
52w High:	<b>86.000</b>	52w Low:	<b>24.300</b>
Volume:	<b>3.53M</b>	Avg. Volume:	<b>10.38M</b>
Market Cap:	<b>3.45B</b>	EBITDA:	<b>294.29M</b>

## 7. Deployment Summary

We have deployed our project in Somee Deployment server and Github. Please find the URL for the deployed project.

Website URL : [www.trademonitoring.somee.com](http://www.trademonitoring.somee.com)

WCF Service URL : <http://www.tradeservice.somee.com/Service1.svc>

GITHUB URL :[https://github.com/AshokYaganti/ASE-Project/tree/master/ASE\\_Project](https://github.com/AshokYaganti/ASE-Project/tree/master/ASE_Project)

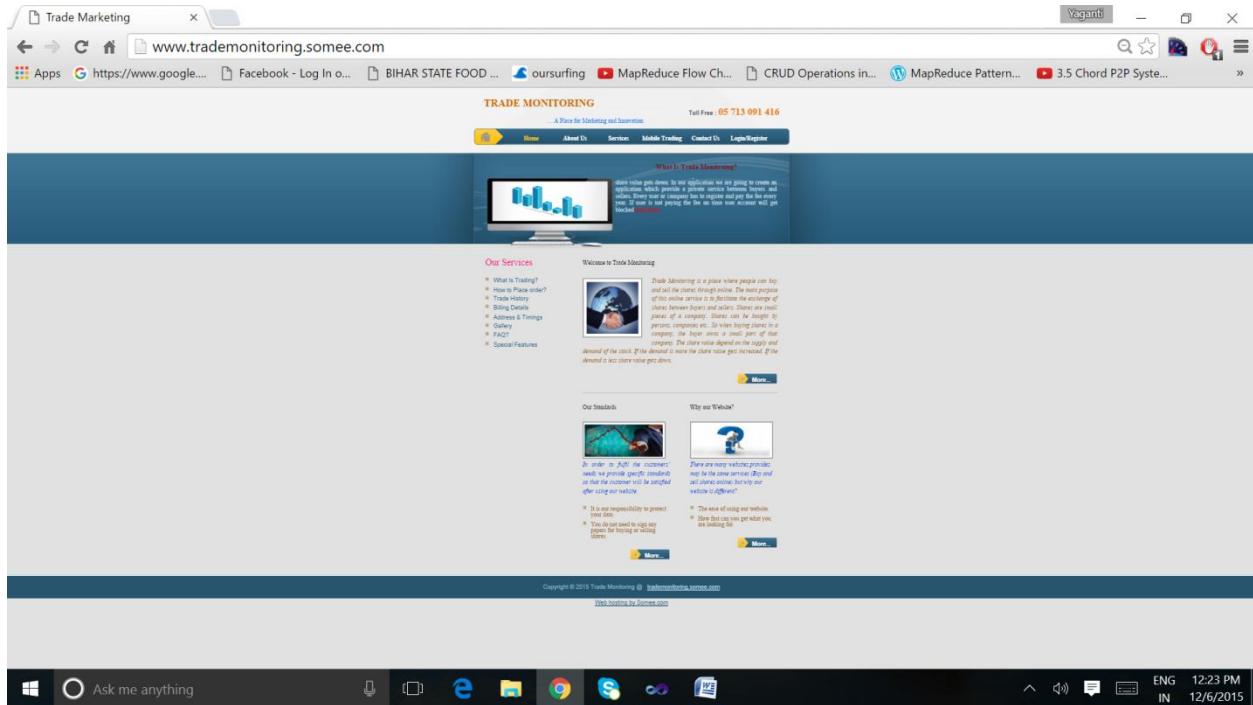
## 8. Reports.

We are following the Agile process model. So every Iteration we will receive the additional requirements and changes will be made from all the phases starting from requirements phase to deployment phase. So for the 4<sup>th</sup> Iteration we have successfully completed the entire project.

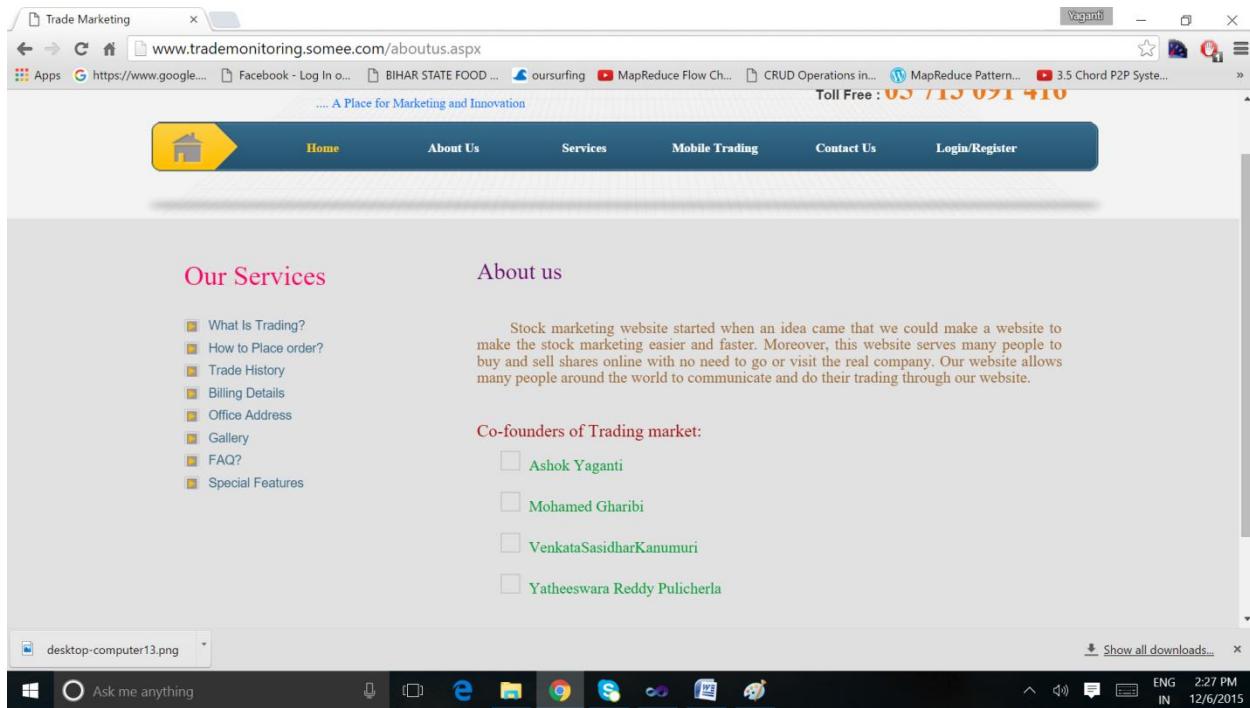
Up to this Iteration we have completed the 100% of the project including all the phases in SDLC. During this phase we have redesigned UI, Implemented the backend functionality.

### Implementation Results:

- 1. Home Page:** Home Page gives the complete information about the website and contact details.



**2. About us Page:** This Page gives the company information and co-partners information.



.... A Place for Marketing and Innovation

Toll Free : 05 713 091 416

**Our Services**

- What Is Trading?
- How to Place order?
- Trade History
- Billing Details
- Office Address
- Gallery
- FAQ?
- Special Features

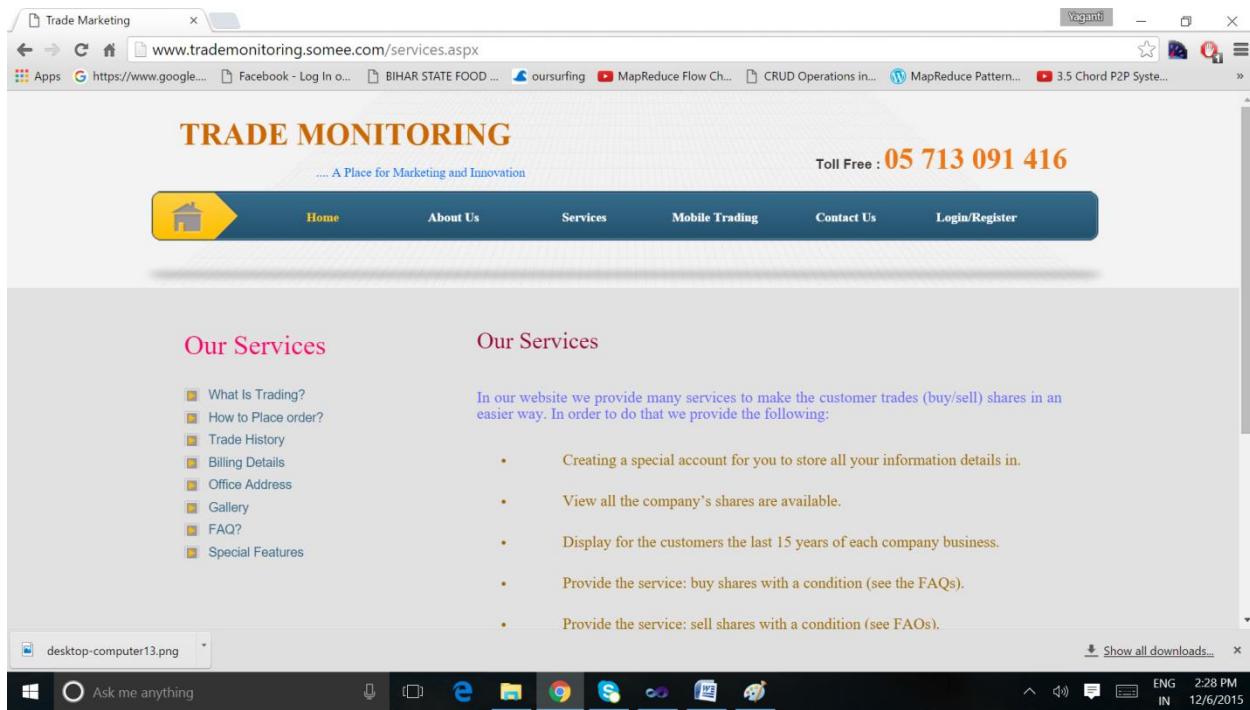
**About us**

Stock marketing website started when an idea came that we could make a website to make the stock marketing easier and faster. Moreover, this website serves many people to buy and sell shares online with no need to go or visit the real company. Our website allows many people around the world to communicate and do their trading through our website.

**Co-founders of Trading market:**

- Ashok Yaganti
- Mohamed Gharibi
- VenkataSasidharKanumuri
- Yatheeswara Reddy Pulicherla

**3. Services Page:** This page provides the information of the services we are providing.



.... A Place for Marketing and Innovation

Toll Free : 05 713 091 416

**TRADE MONITORING**

**Our Services**

- What Is Trading?
- How to Place order?
- Trade History
- Billing Details
- Office Address
- Gallery
- FAQ?
- Special Features

**Our Services**

In our website we provide many services to make the customer trades (buy/sell) shares in an easier way. In order to do that we provide the following:

- Creating a special account for you to store all your information details in.
- View all the company's shares are available.
- Display for the customers the last 15 years of each company business.
- Provide the service: buy shares with a condition (see the FAQs).
- Provide the service: sell shares with a condition (see FAQs).

**4. Mobile Trading Page:** Gives the information how to download the Trade Monitoring mobile APP.

The screenshot shows a web browser window with the URL [www.trademonitoring.somee.com/mobile.aspx](http://www.trademonitoring.somee.com/mobile.aspx). The page title is "TRADE MONITORING" and the subtitle is "... A Place for Marketing and Innovation". On the right, a toll-free number "05 713 091 416" is displayed. Below the title, there are two main sections: "Our Services" and "Mobile Trading". The "Our Services" section lists various service items. The "Mobile Trading" section contains a link to download the mobile app from GitHub. The browser's address bar and taskbar are visible at the bottom.

**5. Contact Us:** Gives the contact details information for any technical issues.

The screenshot shows a web browser window with the URL [www.trademonitoring.somee.com/contact.aspx](http://www.trademonitoring.somee.com/contact.aspx). The page title is "TRADE MONITORING" and the subtitle is "... A Place for Marketing and Innovation". On the right, a toll-free number "05 713 091 416" is displayed. Below the title, there are two main sections: "Our Services" and "CONTACT DETAILS". The "Our Services" section lists various service items. The "CONTACT DETAILS" section lists four contacts with their names and phone numbers. The browser's address bar and taskbar are visible at the bottom.

**6. What is Trading?:** This Page gives the information about how to trade with our website.

The screenshot shows a web browser window with the URL [www.trademonitoring.somee.com/trading.aspx](http://www.trademonitoring.somee.com/trading.aspx). The page title is "TRADE MONITORING" and the subtitle is "... A Place for Marketing and Innovation". A toll-free number "05 713 091 416" is prominently displayed. The navigation menu includes Home, About Us, Services, Mobile Trading, Contact Us, and Login/Register. On the left, there is a sidebar titled "Our Services" with a list of links: What Is Trading?, How to Place order?, Trade History, Billing Details, Office Address, Gallery, FAQ?, and Special Features. The main content area is titled "What is Trading?" and contains text explaining that trading is a familiar word used for everyday purchases. It also mentions the meaning of trading from a business perspective and how it's used online. Below this, there is another section with a list of services and some descriptive text.

**7. How to Place Order?:** This Page gives the information about how to buy the shares and how to sell the shares?

The screenshot shows a web browser window with the URL [www.trademonitoring.somee.com/placeorder.aspx](http://www.trademonitoring.somee.com/placeorder.aspx). The page title is "TRADE MONITORING" and the subtitle is "... A Place for Marketing and Innovation". A toll-free number "05 713 091 416" is prominently displayed. The navigation menu includes Home, About Us, Services, Mobile Trading, Contact Us, and Login/Register. On the left, there is a sidebar titled "Our Services" with a list of links: What Is Trading?, How to Place order?, Trade History, Billing Details, Office Address, Gallery, FAQ?, and Special Features. The main content area is titled "How To Place Order?" and contains text explaining the process of placing an order to buy shares. It details the steps involved in buying a share, including immediate deduction of money from the account and adding the share to the account. It also discusses the conditions for buying a share. Below this, there is another section with a list of services and some descriptive text.

**8. Trade History:** This page gives the Trade history from 1962.

The screenshot shows a web browser window titled "Trade Marketing". The URL is [www.trademonitoring.somee.com/tradehistory.aspx](http://www.trademonitoring.somee.com/tradehistory.aspx). The page has a sidebar on the left titled "Our Services" with links like "What Is Trading?", "How to Place order?", "Trade History", etc. The main content area is titled "Historical Stock Information" and shows a table of historical stock data for the symbol "INFY". The table includes columns for Date, Open, High, Low, Close, Volume, and AdjClose. The data spans from December 2015 back to November 2015. A "Export To Excel" button is visible above the table. The browser's address bar shows "www.google...." and the taskbar at the bottom indicates it's running on Windows 8.1 with various pinned icons.

Symbol	Date	Open	High	Low	Close	Volume	AdjClose
INFY	2015-12-04	16.129999	16.43	16.120001	16.370001	1750600	16.370001
INFY	2015-12-03	16.280001	16.299999	16.07	16.129999	2015500	16.129999
INFY	2015-12-02	16.42	16.450001	16.219999	16.26	3178400	16.26
INFY	2015-12-01	16.700001	16.77	16.41	16.559999	3033600	16.559999
INFY	2015-11-30	16.639999	17.00	16.450001	16.68	6894400	16.68
INFY	2015-11-27	16.32	16.690001	16.290001	16.469999	3354200	16.469999
INFY	2015-11-25	16.26	16.26	16.040001	16.17	2284500	16.17
INFY	2015-11-24	16.09	16.27	15.87	16.24	2674100	16.24
INFY	2015-11-23	16.25	16.34	16.200001	16.24	1799500	16.24
INFY	2015-11-20	16.42	16.459999	16.08	16.209999	2501900	16.209999
INFY	2015-11-19	16.280001	16.43	16.059999	16.290001	3637600	16.290001
INFY	2015-11-18	15.98	16.17	15.72	16.110001	6425700	16.110001
INFY	2015-11-17	16.309999	16.42	15.86	16.110001	8411200	16.110001

**9. Office Address:** In this page users can get the Office address and how to reach from their location to office.

The screenshot shows a web browser window titled "Trade Marketing". The URL is [www.trademonitoring.somee.com/Album.aspx](http://www.trademonitoring.somee.com/Album.aspx). The page features a header with "TRADE MONITORING" and "Toll Free : 05 713 091 416". Below the header is a navigation menu with links for Home, About Us, Services, Mobile Trading, Contact Us, and Login/Register. The main content area has sections for "Our Services" (with a sidebar of links) and "Trade Monitoring Photo Gallery" (with an image of three people in an office looking at a large screen). The browser's address bar shows "www.google...." and the taskbar at the bottom indicates it's running on Windows 8.1 with various pinned icons.

**10. Gallery:** In this page users can view the Trade Monitoring Album.

The screenshot shows a web browser window for 'Trade Marketing' at [www.trademonitoring.somee.com/Album.aspx](http://www.trademonitoring.somee.com/Album.aspx). The page features a header with 'TRADE MONITORING' and a toll-free number '05 713 091 416'. Below the header is a navigation bar with links for Home, About Us, Services, Mobile Trading, Contact Us, and Login/Register. On the left, there's a sidebar titled 'Our Services' with a list of links: What Is Trading?, How to Place order?, Trade History, Billing Details, Office Address, Gallery, FAQ?, and Special Features. On the right, there's a section titled 'Trade Monitoring Photo Gallery' with a large image of three people in a office setting looking at a large screen displaying a bar chart. The taskbar at the bottom shows various open applications and the date/time as 12/6/2015, 2:30 PM.

**11. Faq? :** Here users can get the solution for the some of the questions.

The screenshot shows a web browser window for 'Trade Marketing' at [www.trademonitoring.somee.com/faq.aspx](http://www.trademonitoring.somee.com/faq.aspx). The layout is similar to the previous screenshot, with a header, navigation bar, and sidebar. The sidebar is titled 'Our Services' and lists the same links as before. The main content area is titled 'FAQ:' and contains three numbered questions: 1. What is this website about?, 2. How can I get started?, and 3. How much of money should I start with?. The answers provide information on how the website helps users buy or sell shares and how to register. The taskbar at the bottom shows various open applications and the date/time as 12/6/2015, 2:30 PM.

**12. Special Features:** Here we have implemented some special features, text speech and speech to text conversions.

The screenshot shows a web browser window with the URL [www.trademonitoring.somee.com/Default.aspx](http://www.trademonitoring.somee.com/Default.aspx). The page title is "TRADE MONITORING" and the subtitle is "... A Place for Marketing and Innovation". On the left, there is a sidebar titled "Our Services" with a list of links: "What Is Trading?", "How to Place order?", "Trade History", "Billing Details", "Office Address", "Gallery", "FAQ?", and "Special Features". On the right, there is a section titled "Text to Spech and Speech to Text" containing two text boxes. The top text box contains the text: "that we could make a website to make the stock marketing easier and faster. Moreover, this website serves many people to buy and sell shares online with no need to go or visit the real company. Our website allows many people around the world to communicate and do their trading through our website." Below this is a "Convert to Speech" button. The bottom text box contains the same text as the top one. At the bottom of the page, there is a footer with the text "Copyright © 2015 Trade Monitoring @ [trademonitoring.somee.com](http://trademonitoring.somee.com)" and "All Rights Reserved". The browser status bar at the bottom shows "Show all downloads..." and the date/time "12/6/2015 2:31 PM IN".

**13. Registration Page :** Here users can register their membership with the Trade Monitoring.

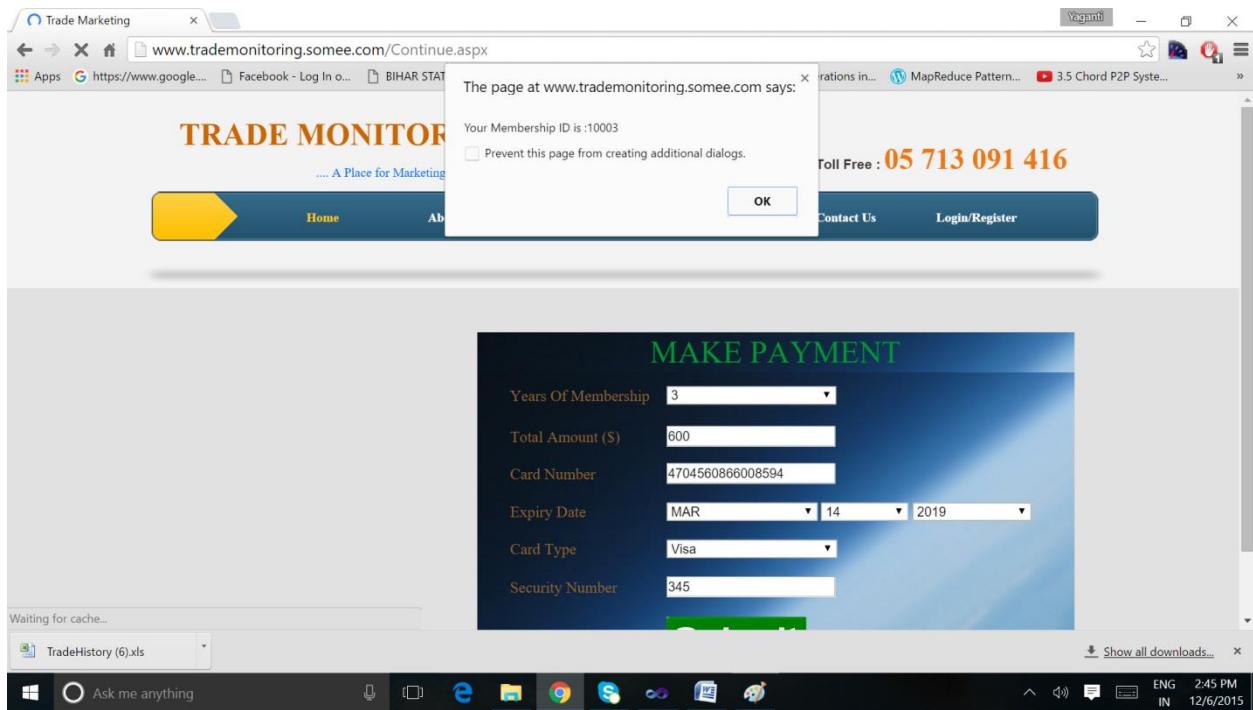
The screenshot shows a web browser window with the URL [www.trademonitoring.somee.com/Register.aspx](http://www.trademonitoring.somee.com/Register.aspx). The page title is "TRADE MONITORING" and the subtitle is "... A Place for Marketing and Innovation". On the left, there is a sidebar titled "Our Services" with a list of links: "What Is Trading?", "How to Place order?", "Trade History", "Billing Details", "Office Address", "Gallery", "FAQ?", and "Special Features". On the right, there is a registration form titled "Register To Trade Monitoring". The form fields include: First Name (Chakka), Last Name (Dharma), Username (dharmal123), Password (\*\*\*\*\*), Confirm Password (\*\*\*\*\*), Email (ashok.yagantu91@gmail.com), and Phone Number (5713019141). At the bottom of the form is a "CONTINUE ▶" button. At the very bottom of the page, there is a footer with the text "Copyright © 2015 Trade Monitoring @ [trademonitoring.somee.com](http://trademonitoring.somee.com)" and "All Rights Reserved". The browser status bar at the bottom shows "Show all downloads..." and the date/time "12/6/2015 2:39 PM IN".

#### 14. Payment Page : Users have to pay the bill through Debit/Credit Card.

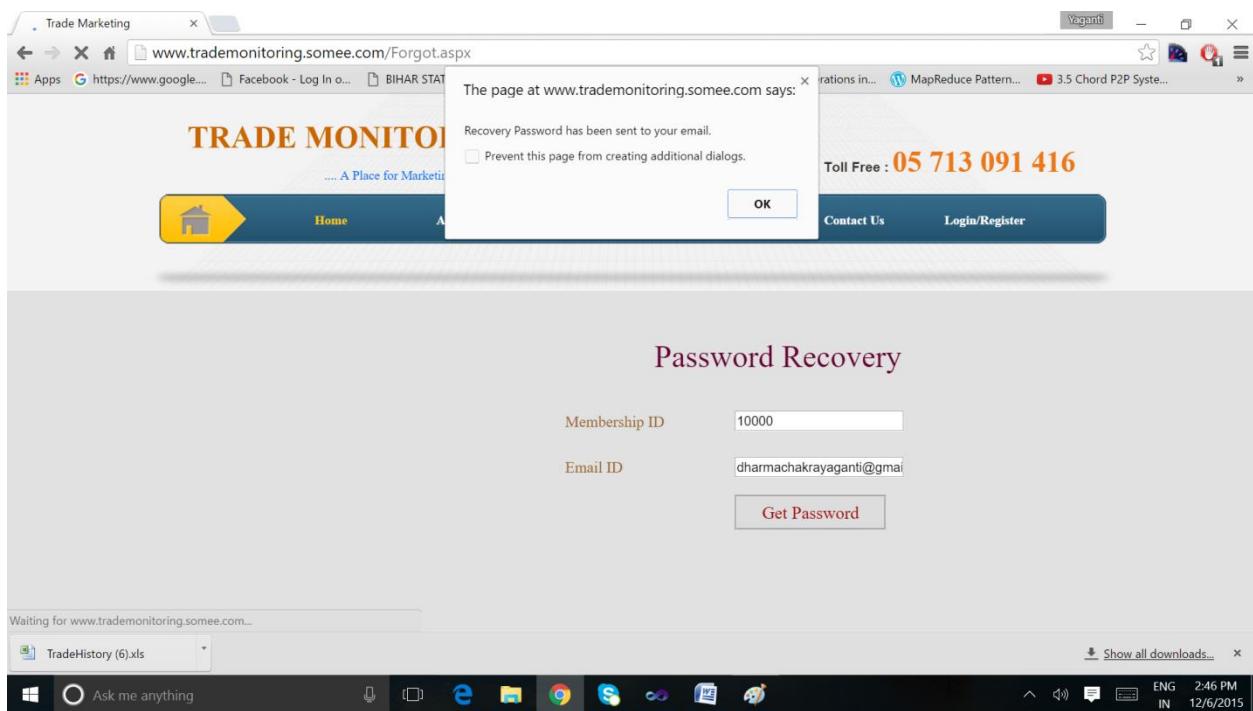
The screenshot shows a web browser window with the URL [www.trademonitoring.somee.com/Continue.aspx](http://www.trademonitoring.somee.com/Continue.aspx). The page has a dark blue header with a yellow arrow icon and navigation links: Home, About Us, Services, Mobile Trading, Contact Us, and Login/Register. Below the header, there's a section titled "Our Services" with a list of links: What Is Trading?, How to Place order?, Trade History, Billing Details, Office Address, Gallery, FAQ?, and Special Features. The main content area is titled "MAKE PAYMENT" and contains form fields for payment details: Years Of Membership (3), Total Amount (\$ 600), Card Number (4704560866008594), Expiry Date (MAR 14 2019), Card Type (Visa), and Security Number (345). A green "Submit" button is at the bottom. The status bar at the bottom of the screen shows "Show all downloads..." and the date/time "12/6/2015 2:40 PM".

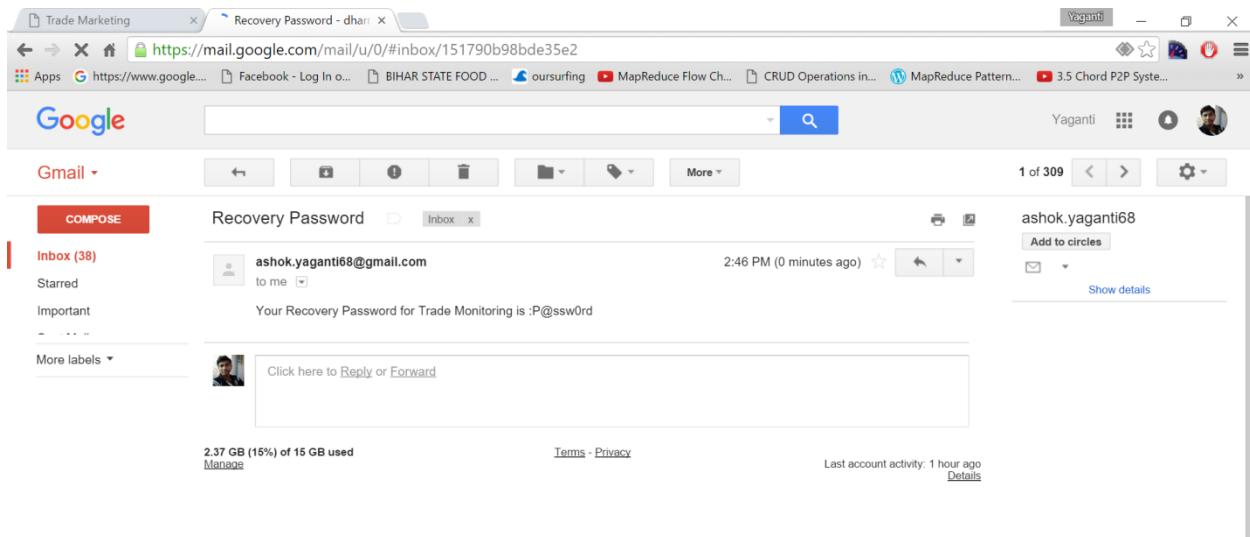
The screenshot shows a web browser window with the same URL as the previous one. A modal dialog box is open, displaying the message "The page at www.trademonitoring.somee.com says: Your Payment Successful" with an "OK" button. To the right of the dialog, a toll-free number "05 713 091 416" is displayed. The rest of the page is identical to the first screenshot, showing the "TRADE MONITOR" header and payment form.

The screenshot shows the same payment page after a successful transaction. A modal dialog box is open, displaying the message "The page at www.trademonitoring.somee.com says: Your Payment Successful" with an "OK" button. The toll-free number "05 713 091 416" is also visible. The payment form below is identical to the ones in the previous screenshots. The status bar at the bottom shows "Waiting for cache..." and the date/time "12/6/2015 2:45 PM".

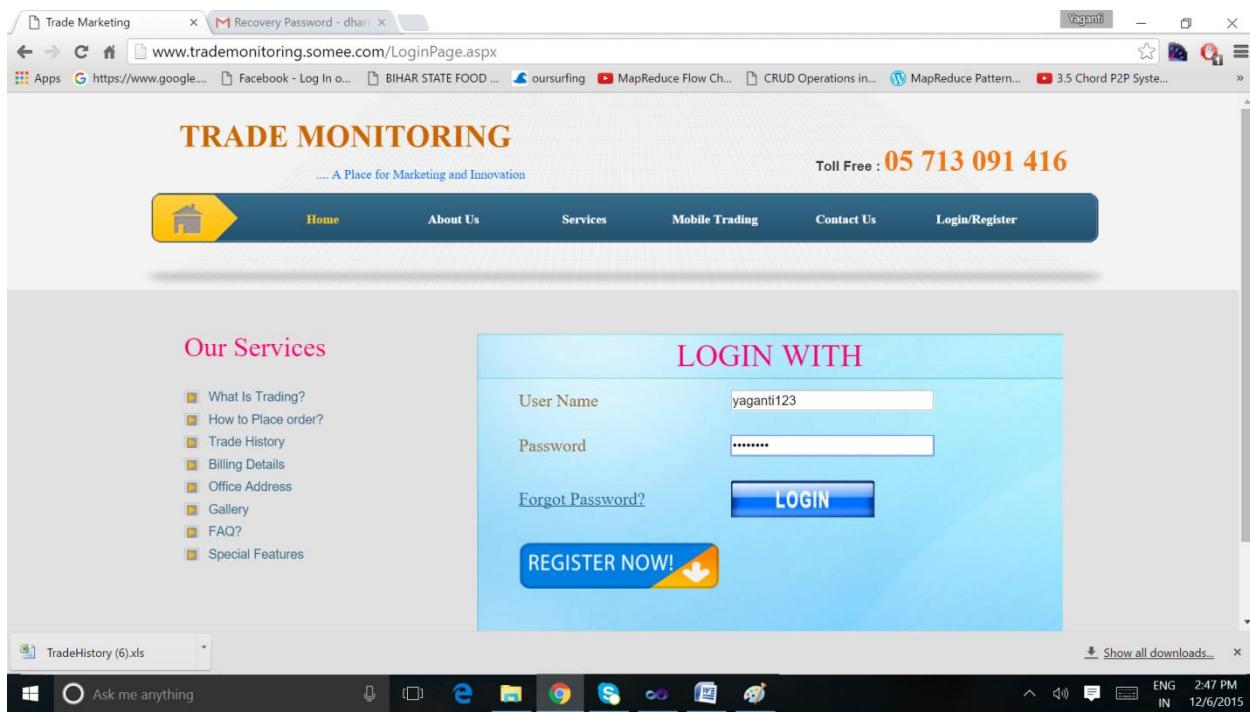


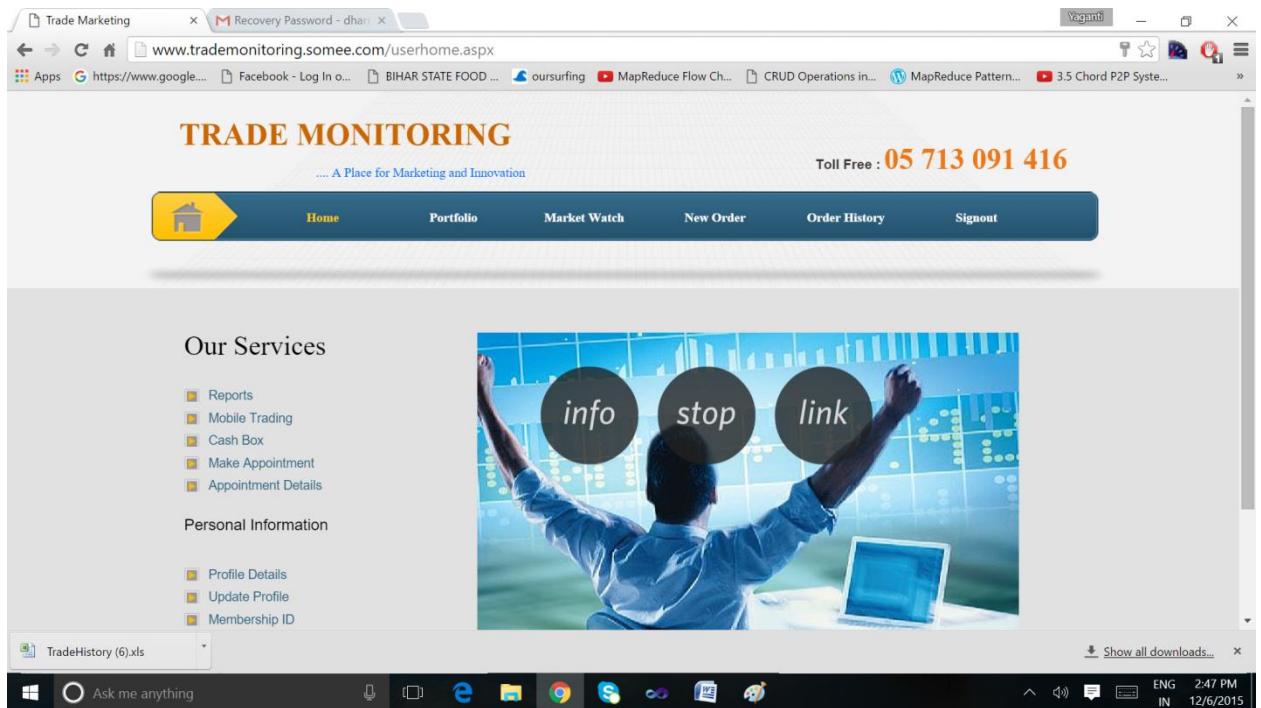
**15. Password Recovery Page :** If user forgot his password, user can reset by using forgot password option. User will get the recovery password through email.



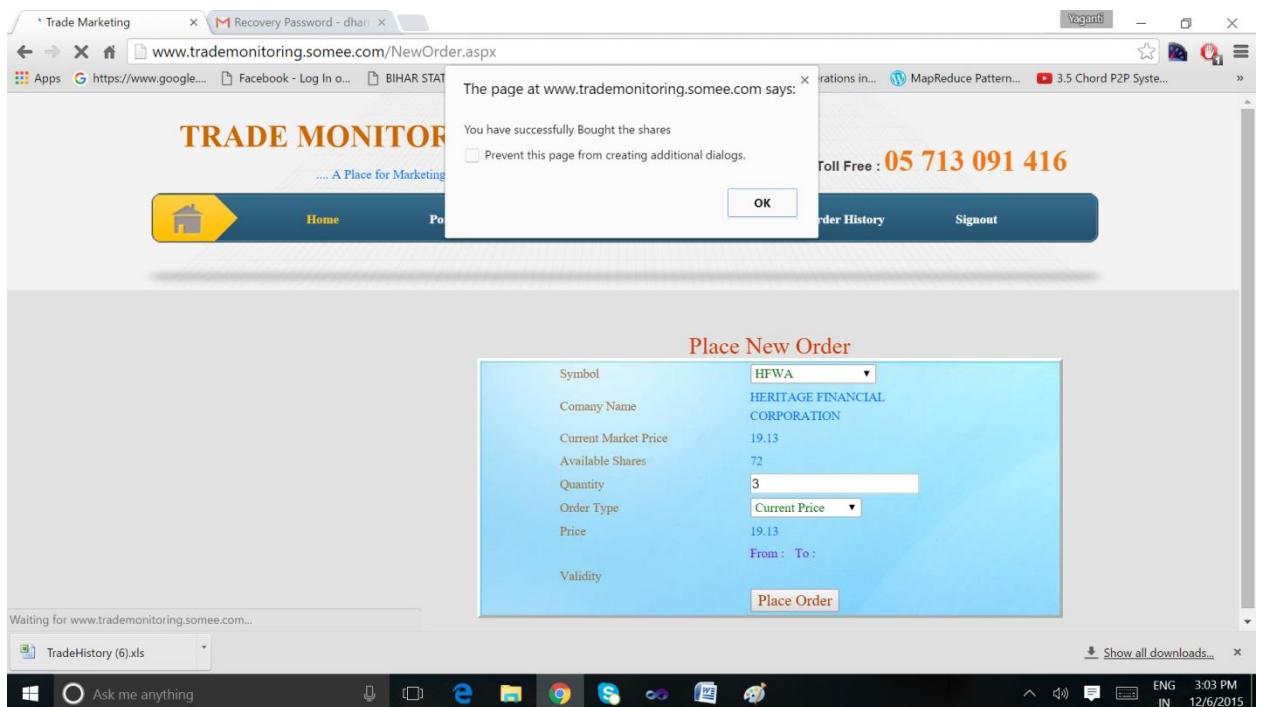


## 16. Login Page : Here users can Login to the website and process their trading.





**17. New Order Page :** Here users can buy the shares with the current market value or they can hold the shares by giving from date and to date.



Inbox (38)

ashok.yaganti68@gmail.com to me 12:09 PM (2 hours ago)

You have Bought : 2 Shares on : 12/6/2015 12:09:24 PM from : VTA

ashok.yaganti68@gmail.com to me 3:03 PM (0 minutes ago)

You have Bought : 3 Shares on : 12/6/2015 3:02:56 PM from : HFWA

Click here to [Reply](#) or [Forward](#)

2.37 GB (15%) of 15 GB used [Manage](#)

[Terms - Privacy](#) Last account activity: 16 minutes ago [Details](#)

Show all downloads... 3:03 PM ENG IN 12/6/2015

**18. Portfolio Page :** Here users can view their Bought shares and Profit/Loss information. User can sell the shares directly from Portfolio Page.

### Our Services

- Reports
- Mobile Trading
- Cash Box
- Make Appointment
- Appointment Details

### Personal Information

- Profile Details
- Update Profile
- Membership ID
- Change Password
- Contact Us

ORDER DATE	SYMBOL	QUANTITY	PRICE	MARKET PRICE	TOTAL COST	TOTAL MARKET COST	PROFIT/LOSS	SELL
11/24/2015 9:05:52 PM	BAB	4	29.05	29.01	116.2	116.04	-0.16	<a href="#">Sell</a>
11/24/2015 9:04:29 PM	GYRO	2	49.98	26.69	99.96	53.38	-46.58	<a href="#">Sell</a>
12/6/2015 3:02:56 PM	HFWA	3	19.13	19.13	57.39	57.39	0.00	<a href="#">Sell</a>
11/24/2015 8:59:13 PM	LAKE	2	15.15	16.97	30.3	33.94	3.84	<a href="#">Sell</a>
11/24/2015 8:58:28 PM	NATI	1	30.33	30.85	30.33	30.85	0.52	<a href="#">Sell</a>
10/31/2015 2:08:47 PM	PCTY	2	33.64	42.55	67.28	85.1	17.82	<a href="#">Sell</a>
11/24/2015								

Total Cost (When User Bought) : 499.76  
Total Market Price (Current) : 477.62  
Profit/Loss : -22.14

Copyright © 2015 Trade Monitoring @ [trademonitoring.somee.com](#)

Show all downloads... 3:04 PM ENG IN 12/6/2015

Trade Marketing   TrdMonitoring Notificati...

www.trademonitoring.somee.com/SellStock.aspx

The page at www.trademonitoring.somee.com says:

You have successfully sold the shares

Prevent this page from creating additional dialogs.

OK

TRADE MONITORING

... A Place for Marketing

Home Order History Signout

Toll Free : 05 713 091 416

SELL SHARES HERE

Symbol	BAB
Quantity	5
Market Price	29.01
Sell Quantity	1

Sell

Waiting for www.trademonitoring.somee.com...

Show all downloads...

TradeHistory (6).xls

Ask me anything

ENG 3:04 PM IN 12/6/2015

Trade Marketing   TrdMonitoring Notificati...

https://mail.google.com/mail/u/0/#inbox/151791bfa37578c6

Apps G https://www.google.... Facebook - Log In o... BIHAR STATE FOOD ... oursurfing MapReduce Flow Ch... CRUD Operations in... MapReduce Pattern... 3.5 Chord P2P Syst...

Yaganti

Google

Gmail ▾

Compose

Inbox (38)

Starred

Important

More labels ▾

Yaganti

Anusha Yaganti

Ashok Yaganti

danda naveen

Hanumantha Rao K

hanumantharao ray

ashok.yaganti68@gmail.com

to me

3:04 PM (44 minutes ago)

You have Sold : 1 Shares of : BAB on 12/6/2015 3:04:11 PM. Now you have :4 to Sell

Click here to [Reply](#) or [Forward](#)

2.37 GB (15%) of 15 GB used

Manage

Terms - Privacy

Last account activity: 45 minutes ago

Show details

TradeHistory (6).xls

Ask me anything

ENG 3:48 PM IN 12/6/2015

**19. Market Watch Page:** In this Page users can view the current market details with the chart.

The screenshot shows a web browser window for 'Trade Marketing' on the 'MarketWatch.aspx?symbol=SAND' page. At the top, there's a header bar with tabs like 'Trade Marketing' and 'TradeMonitoring Notifications'. Below the header, a navigation bar includes links for 'Reports', 'Statements', 'Mobile Trading', 'Cash Box', and 'Contact Us'. A sidebar on the left lists 'Personal Information' options such as 'Profile Details', 'Update Profile', 'Membership ID', and 'Change Password'. The main content area features a 'Select Symbol' dropdown set to 'SAND' and a 'Market Quotes' button. A table displays current market data for SAND, including Symbol, Date, Time, Trade, % Chg, Bid, Ask, Volume, High, and Low. Below this is a chart titled 'Sandstorm Gold Ltd. Ordinary Sh' showing price and volume over time, with a red line for price and a blue bar chart for volume. The x-axis shows hours from 10am to 4pm, and the y-axis shows price levels from 2.65 to 2.90. The chart is labeled 'Dec 4, 4:00pm EST'. At the bottom of the page, there's a download link for 'TradeHistory (6).xls' and a system status bar showing 'Show all downloads...', 'Ask me anything', and system information like 'ENG 3:05 PM IN 12/6/2015'.

**20. Order History:** In this Page users can view the Buy, sold share, open shares and order failed shares information.

The screenshot shows a web browser window for 'Trade Marketing' on the 'OrderHistory.aspx' page. The top navigation bar includes 'Home', 'Portfolio', 'Market Watch', 'New Order', 'Order History', and 'Signout'. The main content area has a 'Our Services' sidebar with links for 'Reports', 'Mobile Trading', 'Cash Box', 'Make Appointment', and 'Appointment Details'. Another sidebar for 'Personal Information' includes 'Profile Details', 'Update Profile', 'Membership ID', 'Change Password', and 'Contact Us'. To the right, a section titled 'ORDER HISTORY' displays a table of closed orders. The table columns are OrderDate, Symbol, Quantity, Price, and Status. The data shows various transactions for symbols like PCTY, SAND, NATI, LAKE, GYRO, YHOO, BAB, VTA, and HFWA at different dates and prices. At the bottom of the page, there's a copyright notice 'Copyright © 2015 Trade Monitoring @ trademonitoring.somee.com' and a download link for 'TradeHistory (6).xls'. The system status bar at the bottom shows 'Show all downloads...', 'Ask me anything', and 'ENG 3:06 PM IN 12/6/2015'.

**TRADE MONITORING**

.... A Place for Marketing and Innovation

Toll Free : **05 713 091 416**

**Our Services**

- Reports
- Mobile Trading
- Cash Box
- Make Appointment
- Appointment Details

**Personal Information**

- Profile Details
- Update Profile
- Membership ID

**ORDER HISTORY**

Select Status : Failed

OrderID	OrderDate	TillDate	Symbol	Quantity	Price	FromPrice	ToPrice	Status
90000	10/31/2015 2:10:13 PM	11/1/2015 2:10:13 PM	PCTY	5	33.64	30	32	failed
90001	11/24/2015 8:57:53 PM	11/29/2015 8:57:53 PM	VTA	3	10.77	5	8	failed

TradeHistory (6).xls

Show all downloads... 3:06 PM IN 12/6/2015

**21. Reports Page:** In this Page users can see the reports by Available shares, Bought shares, Sold shares and Shares comparisons.

**Our Services**

- Reports
- Mobile Trading
- Cash Box
- Make Appointment
- Appointment Details

**Personal Information**

- Profile Details
- Update Profile
- Membership ID
- Change Password
- Contact Us

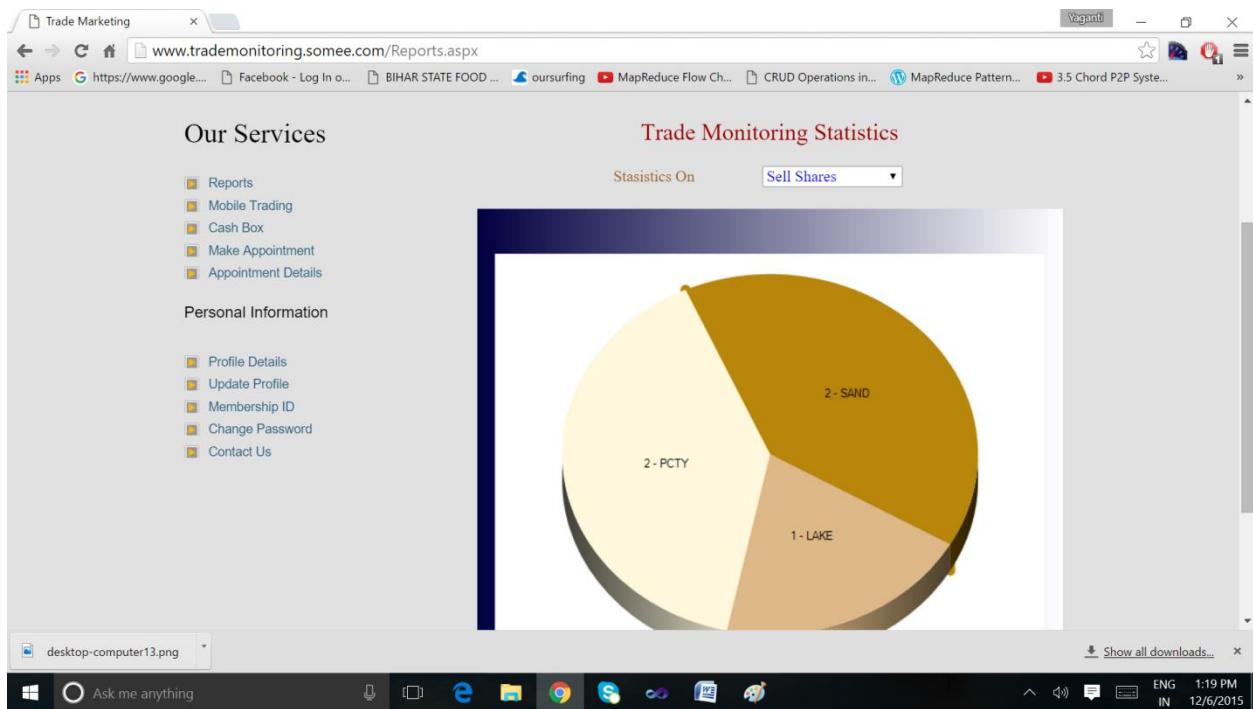
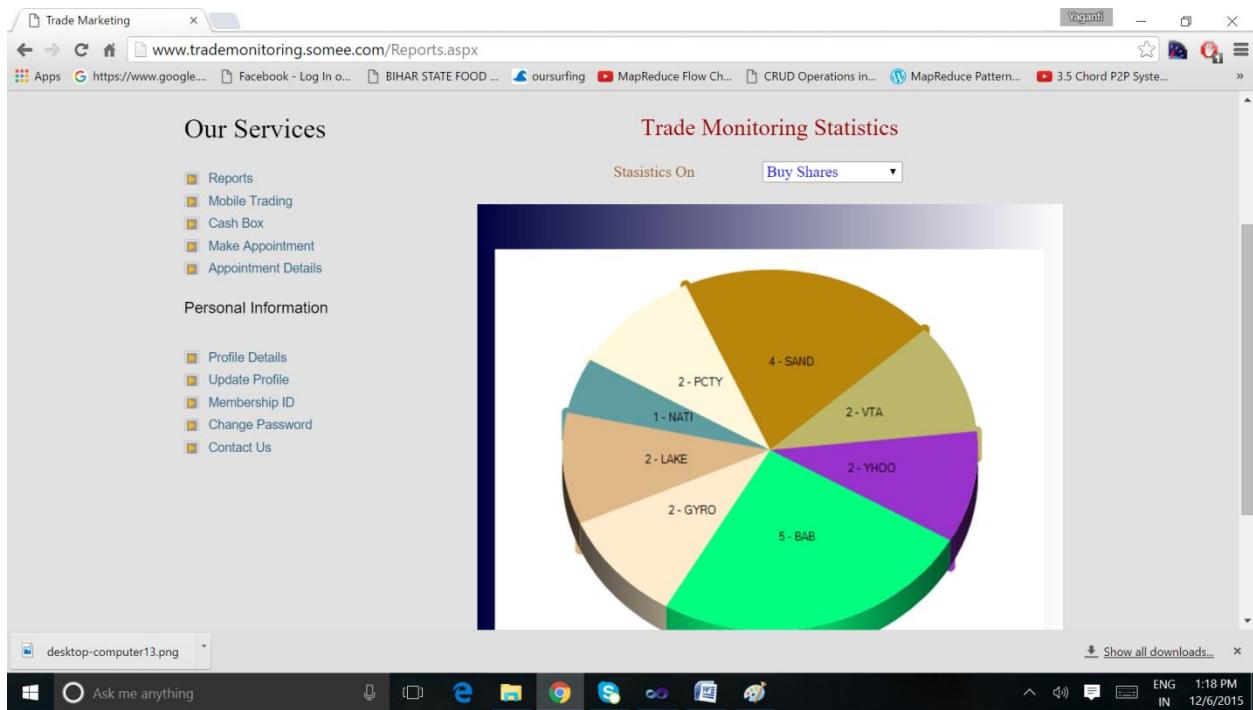
**Trade Monitoring Statistics**

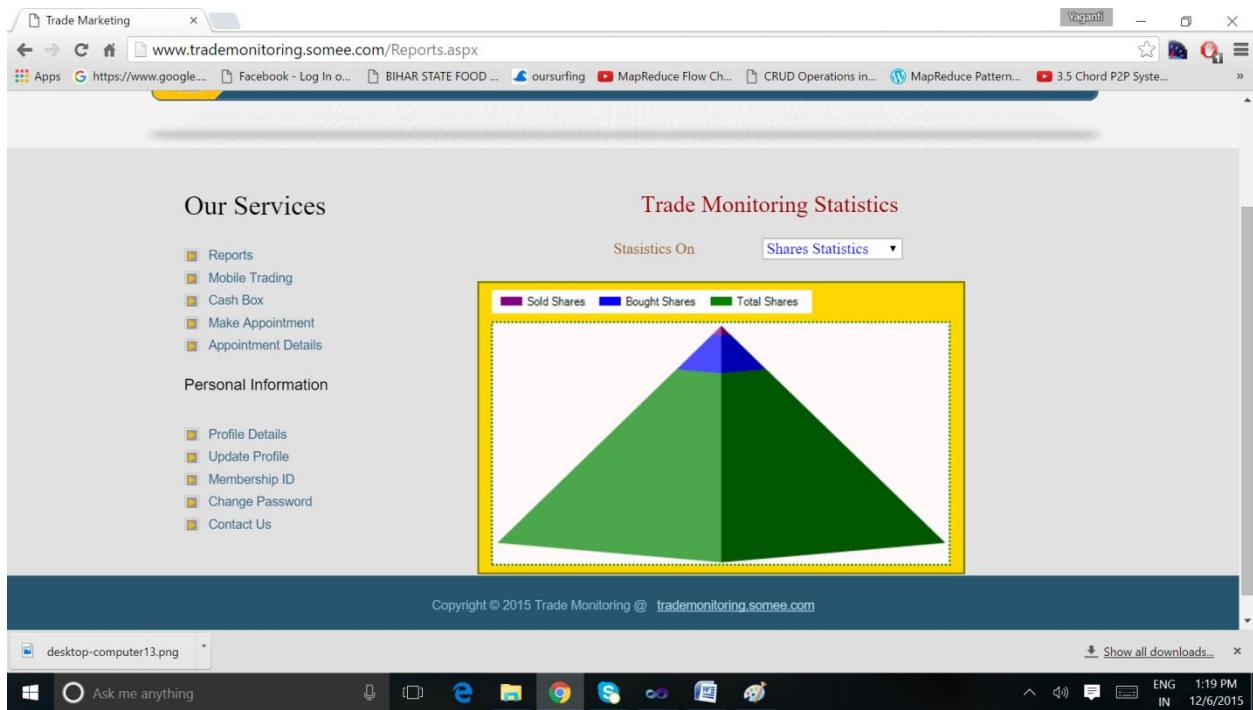
Statistics On Available Shares

Company	Available Shares
AMZN	~100
AT&T	~150
BA	~100
DIS	~150
IBM	~180
KFCP	~100
GEICO	~100
HFW	~100
HPE	~100
LULU	~150
NKE	~220
ORCL	~100
PCL	~100
SANM	~150
VZ	~150
WPPS	~100
XLT	~100
YHOO	~280

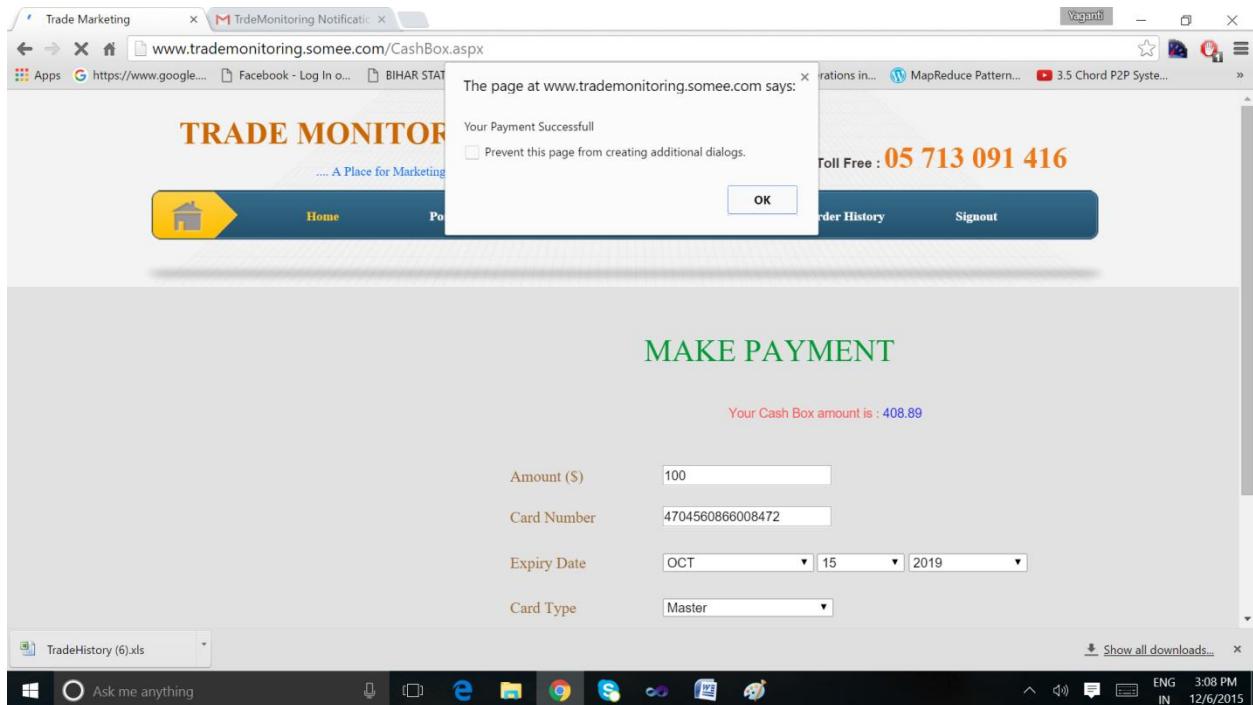
desktop-computer13.png

Show all downloads... 1:18 PM IN 12/6/2015





**22. Cash Box Page:** Here users have to save the money to buy the shares.



**23. Make Appointment:** Here users can make the appointment for direct contact with customer services.

The screenshot shows a web browser window titled "Trade Marketing" with the URL [www.trademonitoring.somee.com/appointment.aspx](http://www.trademonitoring.somee.com/appointment.aspx). The page has a dark blue header with a yellow navigation bar containing links for Home, Portfolio, Market Watch, New Order, Order History, and Signout. On the left, there's a sidebar with sections for "Our Services" (Reports, Mobile Trading, Cash Box, Make Appointment, Appointment Details) and "Personal Information" (Profile Details, Update Profile, Membership ID, Change Password, Contact Us). The main content area is titled "Schedule Appointment Here" and includes a date selector set to "12/16/2015". Below it is a calendar for December 2015 with days numbered 1 through 31. A legend indicates colors for booking status: red for Booked, green for Available, and orange for No Slots. Below the calendar, a grid shows time slots for "Morning" and "Afternoon" from 10:00 to 16:00, each with a green "Available" status. The bottom of the screen shows a Windows taskbar with various icons and the system clock indicating "12:27 PM IN 12/6/2015".

**24. Appointment Details:** Here users can view their appointments and can cancel the appointments.

The screenshot shows a web browser window titled "Trade Monitoring" with the URL [www.trademonitoring.somee.com/AppointmentDetails.aspx](http://www.trademonitoring.somee.com/AppointmentDetails.aspx). The page has a dark blue header with a yellow navigation bar containing links for Home, Portfolio, Market Watch, New Order, Order History, and Signout. The main content area is titled "TRADE MONITORING" and ".... A Place for Marketing and Innovation". To the right, a toll-free number is listed as "Toll Free : 05 713 091 416". Below the header is a sidebar with "Our Services" and "Personal Information" sections. The main area is titled "APPOINTMENT DETAILS" and contains a table with two rows of appointment data. The table has columns for "APPOINTMENT ID", "APPOINTMENT DATE", "APPOINTMENT TIME", and "CANCEL". The first row (ID 502) has a "Cancel" link in the fourth column. The second row (ID 503) also has a "Cancel" link in the fourth column. The bottom of the screen shows a Windows taskbar with various icons and the system clock indicating "3:09 PM IN 12/6/2015".

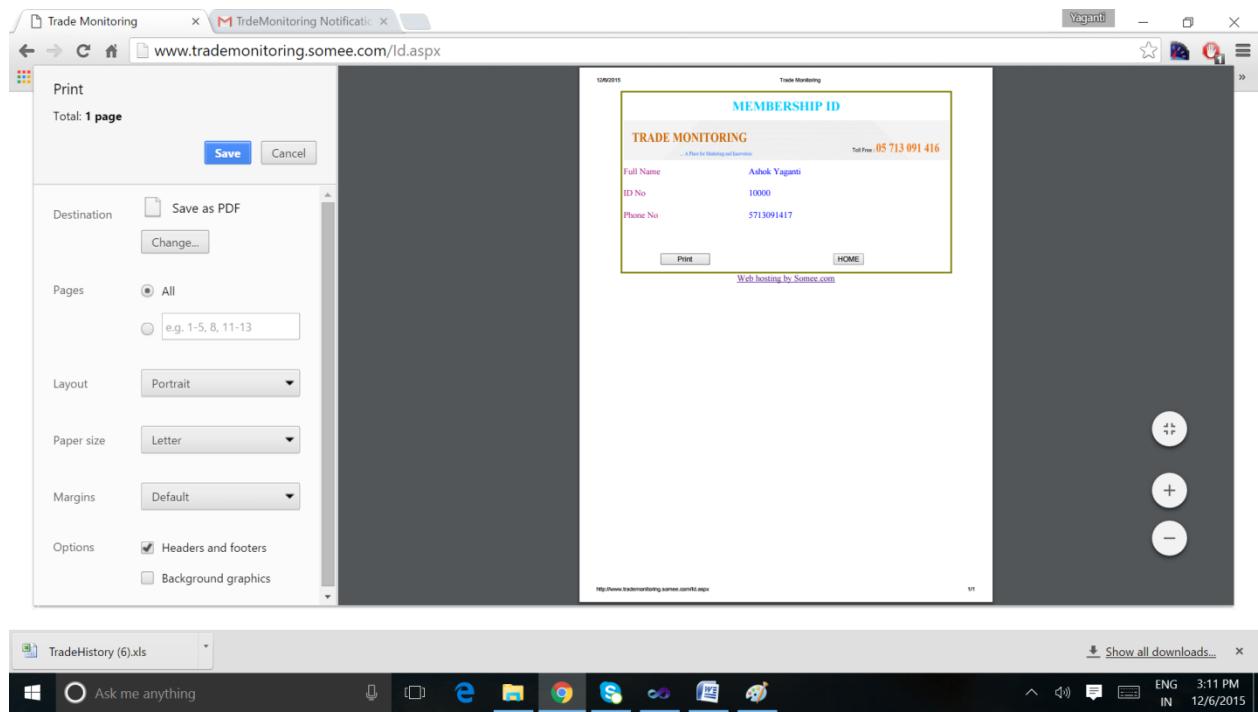
**25. Profile details:** Here users can view their profile details and can upload the profile picture.

The screenshot shows a web browser window for 'Trade Marketing' at [www.trademonitoring.somee.com/UserProfile.aspx](http://www.trademonitoring.somee.com/UserProfile.aspx). The page title is 'TRADE MONITORING' with the subtitle '.... A Place for Marketing and Innovation'. On the right, there is a toll-free number '05 713 091 416'. Below the title, there is a navigation bar with links for Home, Portfolio, Market Watch, New Order, Order History, and Signout. A yellow arrow icon is on the left. The main content area displays 'Our Services' and a list of services: Reports, Mobile Trading, Cash Box, Make Appointment, and Appointment Details. To the right, there is a table with personal information: Membership ID (10000), Full Name (Ashok Yaganti), User Name (yaganti123), Email Address (dharmachakrayaganti@gmail.com), Phone Number (5713091416), and Joining Date (29-Oct-2015). Below the table is a placeholder for a profile picture with a 'Change profile Picture' link. At the bottom, there is a sidebar with links for Profile Details, Update Profile, Membership ID, Change Password, and Contact Us. The status bar at the bottom shows the date and time as 12/6/2015 and 12:27 PM.

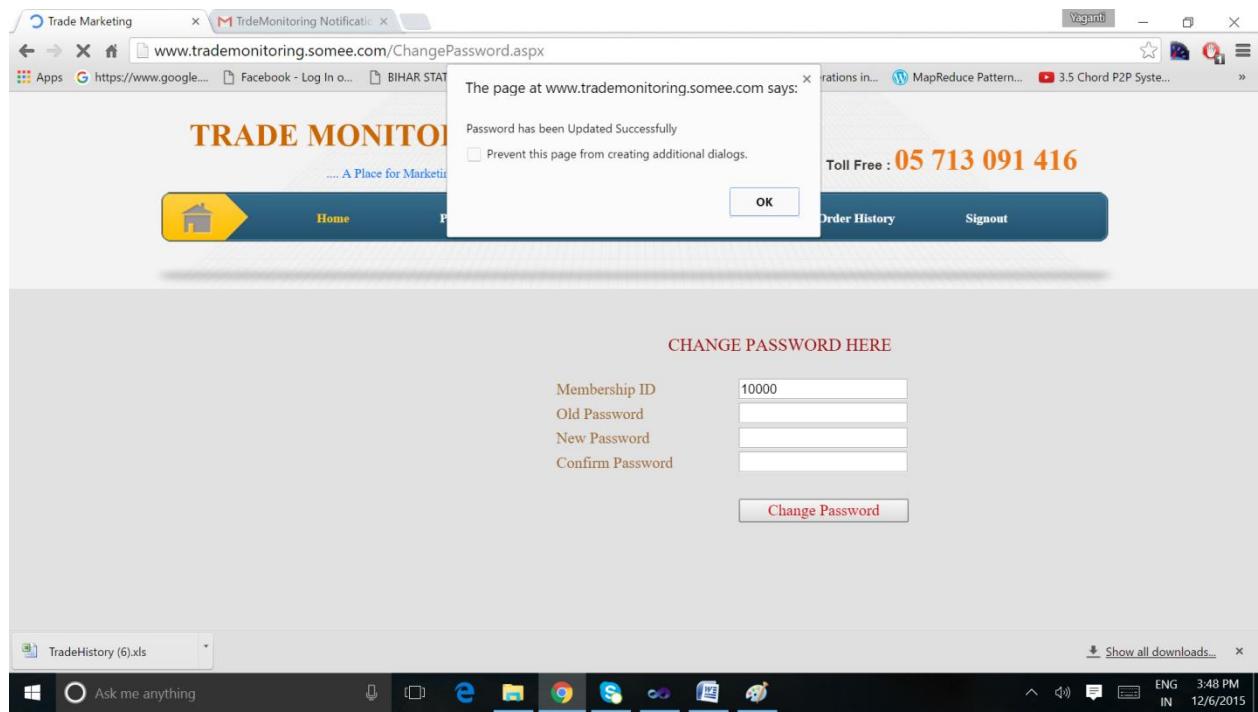
**26. Update Profile:** Here users can update their email address and phone number.

The screenshot shows a web browser window for 'Trade Marketing' at [www.trademonitoring.somee.com/UpdateProfile.aspx](http://www.trademonitoring.somee.com/UpdateProfile.aspx). A modal dialog box is displayed with the message 'The page at www.trademonitoring.somee.com says: Profile has been Updated Successfully' and an 'OK' button. The background page title is 'TRADE MONITORING' with the subtitle '.... A Place for Marketing and Innovation'. The navigation bar includes Home, Portfolio, Market Watch, New Order, Order History, and Signout. Below the navigation is a red 'UPDATE PROFILE' section containing a table with user details: Membership ID (10000), Full Name (Ashok Yaganti), User Name (yaganti123), Email Address (dharmachakrayaganti@gmail.com), Phone Number (5713091417), and Joining Date (29-Oct-2015). An 'Update' button is at the bottom of the form. The status bar at the bottom shows the date and time as 12/6/2015 and 3:11 PM.

## 27. Membership ID: Users can download the membership ID here.



## 28. Change Password: Here users can change the password.



## **9. Project Management**

### **9.1 Work Assignment**

Entire Project was completed and no pending work available and the website deployed at [www.trademonitoring.somee.com](http://www.trademonitoring.somee.com)

#### **Ashok Yaganti :**

- Login page with authentication.
- User password recovery if the user forgets the password.
- Placing an order to buy a share.
- Created the WCF services.
- Developed the android application including above features.
- Buy the shares under condition.
- Appointment Booking.
- Cancel appointment
- Speech to Text and Text to Speech.

#### **Yateeshwara Reddy Pulicharla :**

- Cash box for store the user money.
- Displaying the historical information about the stock companies.
- Created database tables and stored procedures.
- All the information pages in the website about the share and the FAQs.
- Developed the android application including above features.
- Sending email notifications to the user
- Exporting the GridView data to the Excel.
- Statistics on Shares
- Location Page Setting Using Google APIs.

#### **Venkata Sasidhar Kanumuri**

- Creating the user account page
- Displaying the historical information about the stock companies.

- User Home page with all the tabs
- Created unit test cases.
- Developed the android application including above features.
- Generating reports on order history
- Change user password.
- Statistics on Bought Shares
- User Profile Image Setting.
- Update User Profile
- Displaying the Order History on Open, Closed and Failed shares.

### **Mohamed Gharibi**

- Home page (including all the information it should contains).
- Displaying all the stock information with their prices using Yahoo Finance API.
- Downloading the Membership card.
- Displaying the user profile information.
- Developed the android application including above features.
- Displaying the user portfolio
- Sell the shares under condition.
- Statistics on Sold Shares
- Comparisons on Available, Sold and Bought shares.

## **10. Bibliography**

- “[http://www.tutorialspoint.com//asp.net/index.html”](http://www.tutorialspoint.com//asp.net/index.html)
- “[http://www.tutorialspoint.com//wcf/index.html”](http://www.tutorialspoint.com//wcf/index.html)
- “[https://www.iis.net/”](https://www.iis.net/)
- “[https://msdn.microsoft.com/en-us/library/ms733766\(v=vs.110\).aspx”](https://msdn.microsoft.com/en-us/library/ms733766(v=vs.110).aspx)
- “[https://www.youtube.com/watch?v=PBAs3zw6rq0”](https://www.youtube.com/watch?v=PBAs3zw6rq0)
- “[https://jquery.com/”](https://jquery.com/)
- “[http://api.jquery.com/jquery.ajax/”](http://api.jquery.com/jquery.ajax/)