

# **Advanced Software Engineering**

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## **Project Plan**

**By**

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## **Project Name: Trade Monitoring**

### **Description:**

Trade Monitoring is an application service for the people to exchange their products i.e. buying and selling shares through online. The main purpose of this online service is to facilitate the exchange of shares between buyers and sellers.

### **Shares:**

Shares are small pieces of a company. Shares can be bought by persons, companies etc...When buying shares in a company, gives a small part of ownership in that company. The share value depends on the supply and demand of the stock. If the demand is more the share value gets increased. If the demand is less share value gets down.

### **About the Project:**

In our application we are going to create applications which provide a private service between buyers and sellers. Buyers can buy the company shares and can sell the shares to some other persons or companies.

### **Implementation:**

Every user or company has to register and pay the membership fee every year. If user is not paying the fee on time user account will get blocked. After account creation user can see the company shares and corresponding product value. User can buy the shares who wish to sell the shares. If user wants to sell the shares, first needs to place the shares in public dashboard. Once it is placed any can search and sell the share. If no one bought automatically shares get added to seller's account.

Here we also using the Indian stock Exchange or American stock Exchange web service for the latest market update in our application. Also we will implement search Engine by using the Google map API for address searching.

Once our service completed in WCF we will make the application into mobile application.

## **Features:**

### **Web Application:**

1. Placing the order to buy the shares under condition
2. Displaying the User bought shares by user Portfolio
3. Sell the shares
4. Make Appointment
5. Generating reports and sending the Email notifications on every transaction.
6. Displaying the current trading information
7. Displaying the historical information from 1962.
8. Consuming WCF service.
9. Importing external API's.

### **Mobile Application:**

1. Buying and selling the shares.
2. Displaying the user portfolio.
3. Displaying the current trading information
4. Using WCF services from web application.
5. Importing external API's

## **Technologies:**

### **Web Application:**

**Front end:** HTML, CSS, HTML5, JQuery, Java Script, Angular JS, Bootstrapping, ASP.Net

**Back end:** C#

**Database:** Mongo DB and SQL Server 2008.

**Service:** WCF

**Tools:** Visual studio 2010.

### **Mobile Application:**

**Front end:** HTML5, Angular JS.

**Back end:** Backend Service with Angular JS

**Database:** Mongo DB.

**Tools:** Ionic Framework.