



Yahoo finance

Software Engineering (Lovely Professional University)

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# **CASE STUDY**

Finance-yahoo finance, CNN money

**Version 1.0 approved**

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**Lovely Professional University**

**05-11-2016**

# ACKNOWLEDGEMENT

I would like to express my deepest appreciation to all those who provided me the possibility to complete this Case Study Report. A special gratitude I give to our subject Teacher, Mr. DALVINDER SALARIA and Mr. SANDEEP SINGH, whose contribution in stimulating suggestions and encouragement, helped me to coordinate my project especially in writing this report.

Furthermore I would also like to acknowledge with much appreciation to teachers of software engineering because they gave the permission to use all required equipment and the necessary material to complete the task “*CNN MONEY*”. A special thanks goes to my Friends, who help me to assemble the parts and gave suggestion about the task.

I express my thanks to my institution Lovely Professional University for giving me an opportunity to make this interesting project. I also convey my regards to all other faculty members of Department of Computer Science and Engineering and friends for their help and assistance all through this project.

Once again I would like to thank all my supports from the core of my heart.

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# Software Requirement Specification

## 1.Introduction

The introduction of the Software Requirements Specification (SRS) provides an overview of the entire SRS with purpose, scope, definitions, acronyms, abbreviations, references and overview of the SRS. The aim of this document is to gather and analyze and give an in-depth insight of the complete Yahoo Finance's CNN Money software system by defining the problem statement in detail. Nevertheless, it also concentrates on the capabilities required by stakeholders and their needs while defining high-level product features. The detailed requirements of the CNN Money are provided in this document.

### 1.1 Purpose

This document will define a financial news and information website. It tap into the dynamic world of business and finance with CNN Money. Keep up with real-time changes to your stocks and funds with a personalized Watch list and instant alerts. Access the latest business news, key market trends and analysis from CNN Money's award-winning journalists. The website was originally formed as a joint venture between CNN and Money magazines. latest business headlines, top financial stories from around the world, videos that take you behind the scenes and more.

### 1.2 Document Conventions

Font: TNR 11

Line and Paragraph Spacing: 1.0

This document features some terminology which readers may be unfamiliar with. See Appendix A (Glossary) for a list of these terms and their definitions.

### 1.3 Intended Audience and Reading Suggestions

CNN Money.com is a Top 10 Financial News property, with more than 19 million monthly digital multi-platform unique visitors. The CNN Money.com audience is both YOUNGER (median age of 43.8) and MORE AFFLUENT (median income of \$87,461) than top competitors like Bloomberg, Yahoo! Finance, WSJ, AOL Money and The Street.

### 1.4 Product Scope

the software supports a computerized financial news broadcasting network. There is an official website of CNN money with all the latest information that helps to keep its user updated. There are app of CNN Money .We can also connect to CNN money through social media by following it on twitter or on facebook.

### 1.5 References

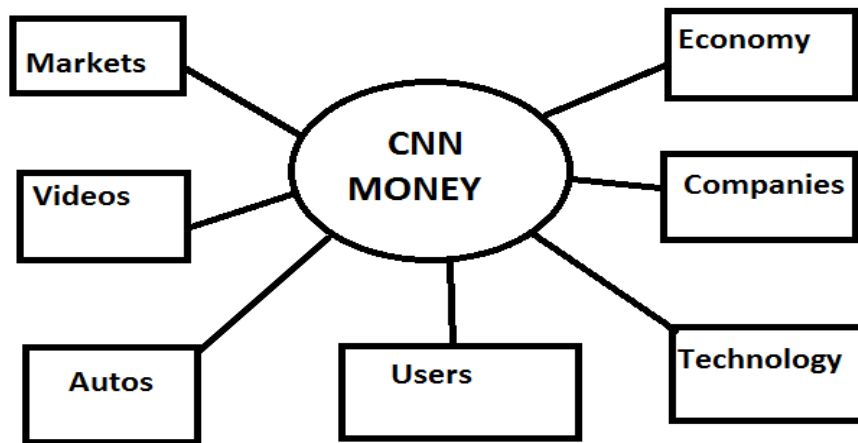
[www.cse.msu.edu/~chengb/RE-491/Papers/SRSEexample-webapp.doc](http://www.cse.msu.edu/~chengb/RE-491/Papers/SRSEexample-webapp.doc)  
<https://in.finance.yahoo.com/>  
<https://money.cnn.com/>

## 2. Overall Description

### 2.1 Product Perspective

CNN MONEY is aimed toward a person who has considerable number of investments in stock market and banks, and so needs software assistance for book keeping and computations regarding the investments. CNN Money should be user-friendly, 'quick to learn' and reliable software for the above purpose. The area of interest for this product will be a big business management. Documents produced by this system will be read and feedbacked by customers and suppliers of the all business as well as any external accountants, consultants, auditors, tax officers and company investors/purchasers. User going to get Complete stock market coverage with breaking news, analysis, stock quotes, before & after hours market data, research and earnings.

Diagram



## 2.2 Product Functions

### 2.2.1 Core Functionalities

The following functionality is recognised as being the backbone of the system because by itself it forms, at the most basic level, an accounting management system.

#### 2.2.1.1 Companies

Information specific to the accounting needs of the company needs to be maintained. This includes holding information such as company name, tax rates, financial year end dates, as well as maintaining a 'chart of accounts'. The chart of accounts is one of the most fundamental aspects of any accounting system, listing and categorising all the accounts in the general ledger. Different types of businesses have different needs, in terms of accounts, and it is important to properly customise the 'chart of accounts'.

#### 2.2.1.2 Markets

The Markets provides most popular stocks, top investing stories, key states, world market, gainers, sector performance-3 month performance, losers, commodities the connection between physical financial transactions and an accounting system.



#### **2.2.1.3 Economy**

It shows the state of the financial resources or regions in terms of the production and consumption of goods and services and the supply of money.

#### **2.2.1.4 Technology**

It gives all the technology related updates and the application of scientific knowledge for practical purposes, especially in industry. Innovating Gadgets, Cyber-Safeties, Powering the World themes, Quantum Leaps and Upstarts etc

#### **2.2.1.5 Videos**

top inspiring and motivating videos for attracting user.

#### **2.2.1.6 Login**

This module provides the special features of a system that will allow the end user to use the system. It provides additional help more specific privileges and support required by users to both operate and troubleshoot the functions of the system. The more integrated this is into the system as a whole, the better.

#### **2.2.1.7 Stock ticker(search box)**

A stock ticker is a report of the price for certain securities, updated continuously throughout the trading session by the various stock exchanges. A "tick" is any change in price, whether that movement is up or down.

### **2.2.2 Other Modules**

#### **2.2.2.1 top global news**

#### **2.2.2.2 currencies and their latest status**

### **2.2.2.3 Connect on**

- My Account
- Mobile Site & Apps
- Facebook
- Twitter
- LinkedIn
- YouTube
- RSS Feeds
- Newsletters
- Google+

### **2.2.2.4 Tools and support**

- Site Map
- Interactive
- Portfolio
- Job Search
- Real Estate Search
- Loan Center
- Calculators
- Corrections
- Market Data Alerts
- News Alerts

### **2.2.2.5 SERVICES**

#### **YOUR E-MAIL ALERTS:**

Your E-mail Alerts, is a free, personalized news alerting service created for you. With CNN's new service you can: Sign up for Your E-mail Alerts and follow the news that matters to you. Select key words and topics across the wide range of news and information on the site. Create your own alerts. Customize your delivery options to fit your schedule and be alerted as a story is published on CNN.com.

#### **CNN MOBILE SERVICES:**

CNN.com content is now available through your mobile phone. With CNN mobile services, you can read up-to-the-minute news stories with color photos, watch live, streaming video or the latest Video On Demand clips and receive CNN Breaking News text alerts.

#### **ADVERTISE ON CNN.COM:**

Advertise with us! Get information about advertising on the CNN Web sites.

#### **SUBMIT A STORY IDEA:**

Have a story idea? [Click Here](#)

**JOB SEARCH:**

Visit our web site for information about internships or job opportunities with CNN.

**LEGAL TERMS AND CONDITIONS:**

**CNN INTERACTIVE SERVICE AGREEMENT:**

View the terms of the CNN Interactive Services Agreement.

## **2.3 User Classes and Characteristics**

### **2.3.1 Visitors**

end users can be anyone who visits the site. they can be active, inactive, frequent or dead users.

### **2.3.2 Logged on users**

The CNNMoney.com audience is both YOUNGER (median age of 43.8) and MORE AFFLUENT (median income of \$87,461) who registered in the network of CNN and top competitors like Bloomberg, Yahoo! Finance, WSJ, AOL Money and The Street.

#### **2.3.2.1 Financier**

A financier is a person who makes their living from investments in CNN MONEY, typically involving large sums of money and usually involving private equity and venture capital.

#### **2.3.2.2 Capitalist**

a person who uses their wealth to invest in trade and industry for profit in accordance with the principles of capitalism.

#### **2.3.2.3 Shareholder**

A shareholder or stockholder is an individual or institution (including a corporation) that legally owns a share of stock in CNN MONEY.

#### **2.3.2.4 Bondholder**

#### **2.3.2.5 Financial planners**

### 2.3.3 Database manager and team employees

A database manager and team is responsible for the management ,organisation and stores and accesses of CNN MONEY's information.It's a role you'll often find in CNN that hold a lot of information that needs putting into reports or documents, for example media companies, marketing companies, public sector organisations or financial institutions,updates and all(its completely work of system workers)

### 2.3.4 Maintainers

must be experienced network administrators, to be able to connect new ATMs to the network.

## 2.4 Operating Environment

The main component of the CNN MONEY project is the software application, which will not be limited to any operating system The application is not graphics-intensive, so there are no practical hardware constraints. The app will rely on several functionalities built into Application Programming Interface (API), so ensuring appropriate usage of the API will be a major concern. Beyond that, the application is a self-contained unit and will not rely on any other Android-related software components.The CNN MONEY database will be stored on the server using MySQL and will be interfaced with a wrapper written in PHP 5. CNN.com is among the world's leaders in online news and information delivery. Staffed 24 hours,seven days a week by a dedicated staff in CNN's world headquarters in Atlanta, Georgia, and in bureaus worldwide,CNN.com relies heavily on CNN's global team of almost 4,000 news professionals. CNN.com features the latest multimedia technologies, from live video streaming to audio packages to searchable archives of news features and background information. The site is updated continuously throughout the day.

## 2.5 Design and Implementation Constraints

The primary design constraint is the operating system and mobile platform.Since the application is designated for the personal computers and mobile handsets, limited screen size and resolution will be a major design consideration for mobile interface.Creating a user interface which is both effective and easily navigable will pose a difficult challenge. Other constraints such as limited memory and processing power are also worth considering. CNN MONEY is meant to be quick and responsive, even when dealing with large stocks and stress load constraints so each feature must be designed and implemented with efficiency in mind.

## **2.6 User Documentation**

The primary goal of CNN MONEY is to facilitate the process of managing Complete stock market coverage with breaking news, analysis, stock quotes, before & after hours market data, research and earnings. Consequently, the application will be designed to be as simple and attractive as possible. Nonetheless, users may still require some supplementary information about each component of the CNN MONEY system. The application will contain features that offer this: Contact Us, Advertise with Us, User Preferences, Closed Captioning and help menu. The Help menu is a collection of topics covering each of the application's menus, features, etc. At any time, the user can navigate to the Help menu and select any of these topics to obtain more information. Details about the Help menu can be found in bottom of the front web page.

## **2.7 Assumptions and Dependencies**

The features of CNN MONEY are divided into two groups: core features and additional features. Core features are crucial to the basic functionality of CNN MONEY application. These features must all be implemented in order for the application to be useful. Optional features, however, are not critical to the function of the application. They are usability improvements and convenience enhancements that may be added after the application has been developed. Thus, the implementation of these features is entirely dependent upon the time spent designing and implementing the core features.

# **3. External Interface Requirements**

## **3.1 User Interfaces**

The customer user interface should be intuitive, such that most of all new CNN MONEY users are able to get the latest financial news and be satisfied with the information provided and they are able to use the website without any assistance.

## **3.2 Hardware Interfaces**

CNN MONEY is intended as a mobile application for the Android platform and hence is solely supported on Android-powered devices. Notifications and mails about the latest news are transmitted and handled by the CNN MONEY's server. CNN MONEY is being developed specifically for Android. The Android platform supports push messages that will be used to synchronize data between the local application and the main application server. Information will be sent using TCP/IP and the HTTP protocol. The Android platform provides abstractions for all network communication interfaces and thus the hardware as well.  
the system is compatible for....

### **3.2.1 1GB RAM**

### **3.2.2 1.44 Floppy Disk Drive**

### **3.2.3 80 GB HD Drive**

### **3.2.4 Pentium IV 2GB MHZ or more**

### **3.2.5 Cache: 512 kb**

## **3.3 Software Interfaces**

the app is to be d CNN MONEY eveloped under the Android operating systems using the Java JDK (Java Development Kit) and the Android SDK (software development kit)tools. The main component of the CNN MONEY project is the software application. The app will rely on several functionalities built into Application Programming Interface (API). the CNN MONEY database will be stored on the server using MySQL and will be interfaced with a wrapper written in PHP 5.

## **3.4 Communications Interfaces**

The CNN MONEY application will have a network server that is web-based and created using the PHP (Hypertext Processing) language. The server exists to retrieve information from the database and update it on the website and on app. The HTTP server will use a push protocol to push notifications of latest news onto the Android phones. Furthermore, whenever a user opens the CNN MONEY app from their phone, a pull protocol will be used to retrieve and sync the latest news updates from the server.

## **4. System Features**

CNN MONEY's system features are divided into two main categories: core features and additional features. Core features form the body of the application and include any features that are essential to the functionality of the CNN MONEY system. These features must be implemented in order to have a fully-functioning application. Additional features, however, are not required for the app to function. They include any features which, if time permits, will be added to the application in order to provide extra functionality but CNN MONEY requires both a functioning server system and an active internet connection only.

## 4.1 System Core Features:

### 4.1.1 Markets

Use Case Name	Markets
Basic Path	Markets is selected. It consists a drop down list containing all the latest news about Markets. All the context of the Market field supposed to display there
Discription	The Markets provides most popular stocks,top investiong storles,key states,world market,galnrs ,sector preformance-3 month performance,losers,comodities the connection between physical financial transactions and an accounting system.

### 4.1.2 Companies

Use Case Name	Companies
Basic Path	Companies is selected. It consists a drop down list containing all the latest news about Companies. All the context of the Companies field supposed to display there.
Discription	Information specific to the accounting needs of the company needs to be maintained.This includes holding information such as company name, tax rates, financial year end dates, as well as maintaining a 'chart of accounts'. The chart of accounts is one of the most fundamental aspects of any accounting system, listing and categorizing all the accounts in the general ledger. Different types of businesses have different needs, in terms of accounts, and it is important to properly customise the 'chart of accounts'.

### 4.1.3 Economy

Use Case Name	Economy
Basic Path	Economy is selected. It consists a drop down list containing all the latest news about Economy. All the context of the Economy field supposed to display there.
Discription	It shows the state of the financial resources or regions in terms of the production and consumption of goods and services and the supply of money.

#### 4.1.4 Technology

<b>Use Case Name</b>	Technology
<b>Basic Path</b>	Technology is selected. It consists a drop down list containing all the latest news about Technology. All the context of the Technology field supposed to display there.
<b>Discription</b>	It gives all the technology related updates and the application of scientific knowledge for practical purposes, especially in industry. Innovating Gadgets,Cyber-Safeties,Powering the World themes,Quantum Leaps and Upstarts etc.

#### 4.1.5 Autos

<b>Use Case Name</b>	Autos
<b>Basic Path</b>	Autos is selected. It consists a drop down list containing all the latest news about Autos . All ths context of the aufield supposed to display there
<b>Discription</b>	The latest realeases of the car market is shown there and top news about new release of cars also given there

#### 4.1.6 Videos

<b>Use Case Name</b>	Videos
<b>Basic Path</b>	Videos is selected. It consists a drop down list containing all the latest news about Videos . All ths context of the videos supposed to display there
<b>Discription</b>	top inspiring and motivating videos for attracting user.

#### 4.1.7 Login

<b>Use Case Name</b>	login
<b>Basic Path</b>	On clicking on login user will retard to login page
<b>Discription</b>	This module provides the special features of a system that will allow the end user to use the system. It provides additional help more specific previledges and support required by users to both operate and troubleshoot the functions of the system. The more integrated this is into the system as a whole, the better.



#### 4.1.8 Stock Tickers (Search Box)

<b>Use Case Name</b>	Stock tickers
<b>Basic Path</b>	It is a search box.so it will take you to the detailed information of that word
<b>Discription</b>	A stock ticker is a report of the price for certain securities, updated continuously throughout the trading session by the various stock exchanges. A "tick" is any change in price,whether that movement is up or down.

#### 4.1.9 personal Finance

<b>Use Case Name</b>	Personal Finance
<b>Basic Path</b>	Login→user's accout
<b>Discription</b>	It is the financial page of management which an individual or a family unit performs to budget, save, and spend monetary resources over time, taking into account various <i>financial</i> risks and future life events.

#### 4.1.10 Business News

<b>Use Case Name</b>	Business news
<b>Basic Path</b>	Markets→ Business News
<b>Discription</b>	Top business news and Finance News Headlines, Breaking news Headlines on Economy, Industry, Company, Share Market and more..

#### 4.1.11 Investing

<b>Use Case Name</b>	Investing
<b>Basic Path</b>	Login user → Investing
<b>Discription</b>	serves traders of a wide range of asset classes with real-time charts & quotes along with news and analysis.

#### 4.1.12 Premarket Stock Treading

<b>Use Case Name</b>	Premarket stock Treading
<b>Basic Path</b>	Markets → premarket stock treading
<b>Discription</b>	Courage of PST ,includes future information for the S&P 500,Nasdaq,Composites and Jones.

#### 4.1.13 Media

<b>Use Case Name</b>	media
<b>Basic Path</b>	Content→media
<b>Discription</b>	The ideas and information about the collective outlets and tools that are used to store and deliver information

#### 4.1.14 small Business

<b>Use Case Name</b>	Small Business
<b>Basic Path</b>	Content→ small Business
<b>Discription</b>	This field is of accounting and tax services takes top spot on the list of types of small businesses

#### 4.1.15 The Buzz

<b>Use case Name</b>	The Buzz
<b>Basic Path</b>	Markets → Buzz
<b>Discription</b>	The most popular topics about finance and their information is discussed here

#### 4.1.15 Luxury

<b>Use Case Name</b>	Luxury
<b>Basic Path</b>	Content → luxury
<b>Discription</b>	This includes the information about a material object, services, etc., conducive to sumptuous living, usually a delicacy, elegance or refinement of living if rather than the necessity. top news and info about Luxury Case

#### 4.1.16 Innovate

<b>Use Case Name</b>	Innovate
<b>Basic Path</b>	Tech → Innovate
<b>Discription</b>	The upcoming changes in market and financial establishments, especially by introducing new methods of investments, ideas or products are given here

#### 4.1.17 Drive

<b>Use Case Name</b>	Drive
<b>Basic Path</b>	Autos → Drives
<b>Discription</b>	The information is all about Auto industry ,the upcoming and ongoing drives of that indusry

#### 4.1.18 powering youth world

<b>Use Case Name</b>	Powering youth world
<b>Basic Path</b>	Tech → powering worldthis
<b>Discription</b>	This can target the site partners and users to develop creative ,market ready solutions that catapult youth around the success

#### 4.1.19 Innovative Cities

<b>Use Case Name</b>	Innovative Cities
<b>Basic Path</b>	Companies → Innovative Cities
<b>Discription</b>	The information of upcoming and world's largest and leading cities index.

#### 4.1.20 Upstarts

<b>Use Case Name</b>	Upstarts
<b>Basic Path</b>	Tech → upstarts
<b>Discription</b>	The startups of new enterprises and information and news about them are broadcasted here

#### 4.1.21 Best in tech

<b>Use Case Name</b>	Best in tech
<b>Basic Path</b>	Tech → best in tech
<b>Discription</b>	The latest and best updates about technology are given here

#### 4.1.22 After hours

<b>Use Case Name</b>	After Hours
<b>Basic Path</b>	Markets → After Hours
<b>Discription</b>	The interpretation of the stock market in future reference to current data is given in the After hours point. AHT refers to the buying and selling of securities completed outside of normal trading hours and use ECN to match potential buyers and sellers without the use of stock exchange

#### 4.1.23 Market Movers

<b>Use Case Name</b>	Market movers
<b>Basic Path</b>	Markets → Market Movers
<b>Discription</b>	These is all about the best performance stocks in market

#### 4.1.24 Fear and Greed Index

<b>Use Case Name</b>	Fear and Greed
<b>Basic Path</b>	Market → fear and greed
<b>Discription</b>	The index developed by CNN Money to measure the primary emotions that drive inverstor: this is based on 7 characters. 1.Stock price momentum 2.stock price strength 3.stock price breadth 4.put and call options 5.junk bond demands 6.Market volatility 7.safe haven demands

#### 4.1.25 World Market

<b>Use Case Name</b>	World Market
<b>Basic Path</b>	Markets → world markets
<b>Discription</b>	The aggregate of all national markets,seen as linked through mutual economic and trade relations.

#### 4.1.26 Currencies and their Status

<b>Use Case Name</b>	Currencies and their status
<b>Basic Path</b>	Home →Currencies
<b>Discription</b>	The live status of currencies is given in this option because in stock markets it is the need of every minute

#### 4.1.27 User's Profile

<b>Use Case Name</b>	Profile
<b>Basic Path</b>	Login →Profile
<b>Discription</b>	Edit the user's details,edit social settings and logout options are there

#### 4.1.28 International +

<b>Use Case Name</b>	International +
<b>Basic Path</b>	Home → International+
<b>Discription</b>	On clicking this field to take the user to U.S market and shares and to their business specially

#### 4.1.29 Add account

<b>Use Case Name</b>	Add Account
<b>Basic Path</b>	The system presents the blank grid to enter the user information. The user enters the information and submits the form. The system checks that the name and email address fields are not blank and updates the database. If either field is blank that user is instructed to fill the fields as these fields are mandatory. After the process completion user is added to the database.

#### 4.1.30 Calculator

<b>Use Case Name</b>	calculator
<b>Basic Path</b>	Tools → Calculator
<b>Discription</b>	It helps to calculate real estate ,investing, college, retirement and saving and spending calculations

#### 4.1.31 Job search

<b>Use Case Name</b>	Job search
<b>Basic Path</b>	Tools → job search
<b>Discription</b>	With giving the CV info and filling up the form the CNN Money can find the job for the needy with giving the information about the vacancies

#### 4.1.32 market data alerts

<b>Use Case Name</b>	Market data alerts
<b>Basic Path</b>	Tools → market data alerts
<b>Discription</b>	Stock market alerts are given here

#### 4.1.33 News alert

<b>Use Case Name</b>	News alerts
<b>Basic Path</b>	Tools → news alerts
<b>Discription</b>	To get the breaking news related to finance and we can get their alert form this.

## 4.2 System Feature 2 (Non-core)

### 4.2.1 Contact Us

<b>Use Case Name</b>	Contact Us
<b>Basic Path</b>	Home page → contact us
<b>Discription</b>	This field will take the user to one table .In that table we can fill our query and problems regarding to the site.

### 4.2.2 Advertise with Us

<b>Use Case Name</b>	Advertise with Us
<b>Basic Path</b>	Home page → advertise with Us
<b>Discription</b>	These part is only for logged uses so they can add on the videos and their valid views to the account and their data entries

### 4.2.3 User Preferences

<b>Use Case Name</b>	User preference
<b>Basic Path</b>	Home page → user preference
<b>Discription</b>	Selects the major user preferences and set the accounts af user according to them

### 4.2.4 closed Captioning

<b>Use Case Name</b>	Closed Captioning
<b>Basic Path</b>	Home page → Closed Captioning
<b>Discription</b>	CC and subtitling are both processes of displaying text on the TV, Video screen or other visual display to provide additional or interpretive information

### 4.2.5 Connects

<b>Use Case Name</b>	Connects
<b>Basic Path</b>	Home page → connects
<b>Discription</b>	User can connect to this site by My Account, Mobile Site & Apps ,Facebook , Twitter ,LinkedIn ,YouTube ,RSS Feeds, Newsletters ,Google+.

## 5. Other Nonfunctional Requirements

### 5.1 Performance Requirements

Performance should not be an issue because all of our server queries involve small pieces of data. Changing screens will require very little computation and thus will occur very quickly. Server updates should only take a few seconds as long as the phone can maintain a steady signal. The cost-division algorithms used by in application will be highly efficient, taking only a fraction of a second to compute. Should run on 500 MHz, 64 MB machine. 90% of the responses should be within 2 sec, except for downloading current prices for which more time is acceptable.

### 5.2 Safety Requirements

For website: no outside user will affect the safety of CNN MONEY website's server.

For app: CNN MONEY will not affect data stored outside of its servers nor will it affect any other applications installed on the user's phone. It cannot cause any damage to the phone or its internal components

### 5.3 Security Requirements

only the valid and registered user can login into CNN MONEY. Authorized access is provided. no security issue will arise for the visitor's webpage because it's a single communication interface. for visitor's CNN MONEY provides read only access. This application assumes that only the user or whoever he/she allows will have access to his/her personal computer. With that being said, only a Google email address is required to verify the identity of the user upon logging up into CNN. Since it is not password protected, there is no method to authenticate the user's identity. The files in which the information regarding securities and portfolios should be secured against malicious deformations. Fault Tolerance: Data should not become corrupted in case of system crash or power failure.

### 5.4 Software Quality Attributes

The graphical user interface of CNN MONEY is to be designed with usability as the first priority.

The app will be presented and organized in a manner that is both visually appealing and easy for the user to navigate. There will be feedbacks and visual cues such as notifications to inform users of updates and pop-ups to provide users with notifications of latest news.

To ensure reliability and correctness, there will be zero tolerance for errors in the algorithm for notifications. This software application has the advantage of being portable and convenient to use whenever and wherever. Overall, the app balances both the ease of use and the ease of learning. The layout and UI of the app will be simple enough that users will take no time to learn its features and navigate through it with little difficulty.



## **6. Other Requirements**

### **6.1 LEGAL TERMS AND CONDITIONS:**

CNN INTERACTIVE SERVICE AGREEMENT:

View the terms of the CNN Interactive Services Agreement.

### **6.2 CNN COMMENT POLICY:**

CNN encourages you to add comment to our discussions. You may not post any unlawful, threatening, libelous, defamatory, obscene, pornographic or other material that would violate the law. Please note that CNN makes reasonable efforts to review all comments prior to posting and CNN may edit comments for clarity or to keep out questionable or off-topic material. All comments should be relevant to the post and remain respectful of other authors and commenters.

By submitting your comment, you hereby give CNN the right, but not the obligation, to post, air, edit, exhibit, telecast, cablecast, webcast, re-use, publish, reproduce, use, license, print, distribute or otherwise use your comment(s) and accompanying personal identifying information via all forms of media now known or hereafter devised, worldwide, in perpetuity. CNN Privacy Statement.

### **6.3 PRIVACY STATEMENT:**

To better protect your privacy, we provide this notice explaining our online information practices and the choices you can make about the way your information is collected and used

### **6.4 CNN'S REPRINT AND COPYRIGHT INFORMATION:**

Copyrights and Copyright Agent. CNN respects the rights of all copyright holders and in this regard, CNN has adopted and implemented a policy that provides for the termination in appropriate circumstances of subscribers and account holders who infringe the rights of copyright holders. If you believe that your work has been copied in a way that constitutes copyright infringement, please provide CNN's Copyright Agent the following information required by the Online Copyright Infringement Liability Limitation Act of the Digital Millennium Copyright Act, 17 U.S.C. § 512:

## 7. Appendix A: Glossary

S.No	Abbreviation	Word
1	AHT	After Hours Trading
2	UML	Unified Modelling Language
3	APPS	Applications
4	Tech	Technology
5	PHP	Hypertext Preprocessor (earlier called, Personal Home Page)
6	TCP/IP	Transmission Control Protocol/Internet Protocol.
7	HTTP	Hypertext Transfer Protocol
8	Java JDK.	Java Development Kit
9	Android SDK	software development kit
10	API	Application Programming Interface
11	MB	Mega Byte
12	MHz	Megahertz.
13	ENCs	Electronic communication networks
14	CC	Closed Captioning
15	HD	Hard Disk
16	Act	Action
17	FT	Fault tolerance
18	WSL	World Surf League

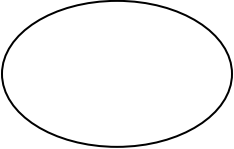



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# Design Phase

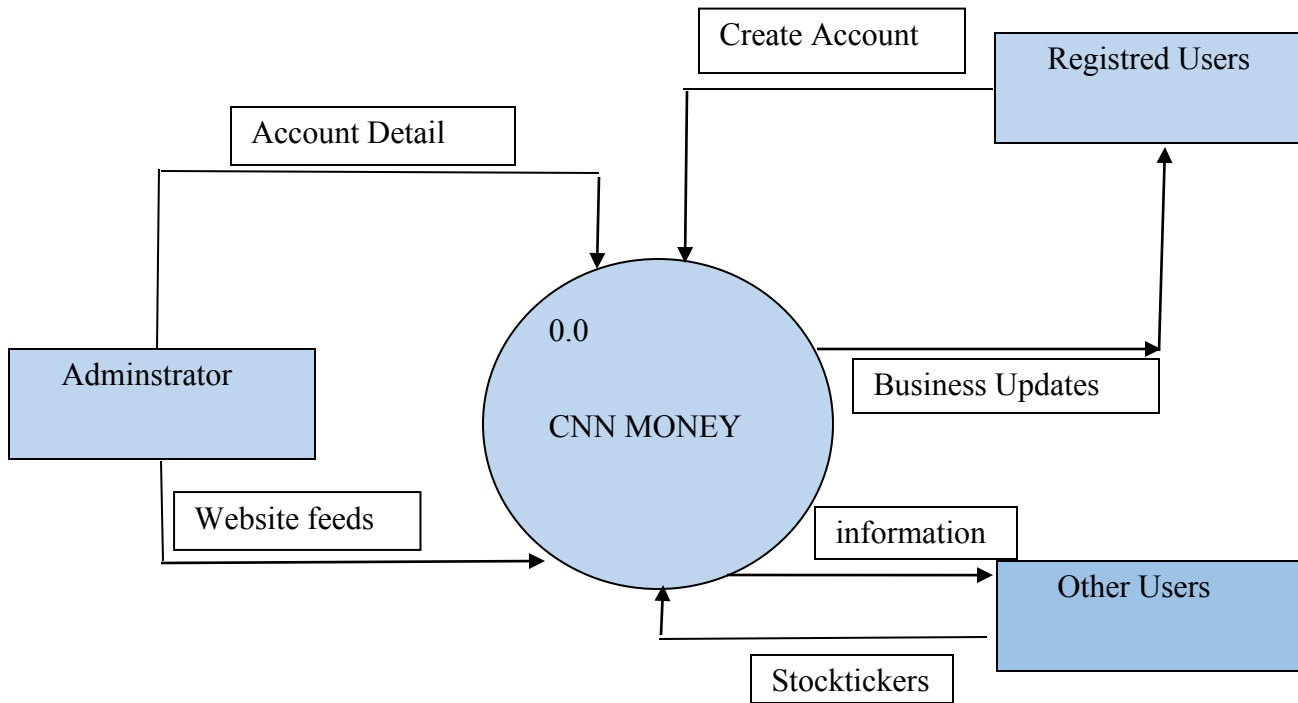
Design phase deals with transforming the requirements, as described in the SRS document, into a form that is implemented using a programming language. The various designs of this system are shown as following:

## 1. Data Flow Diagram:

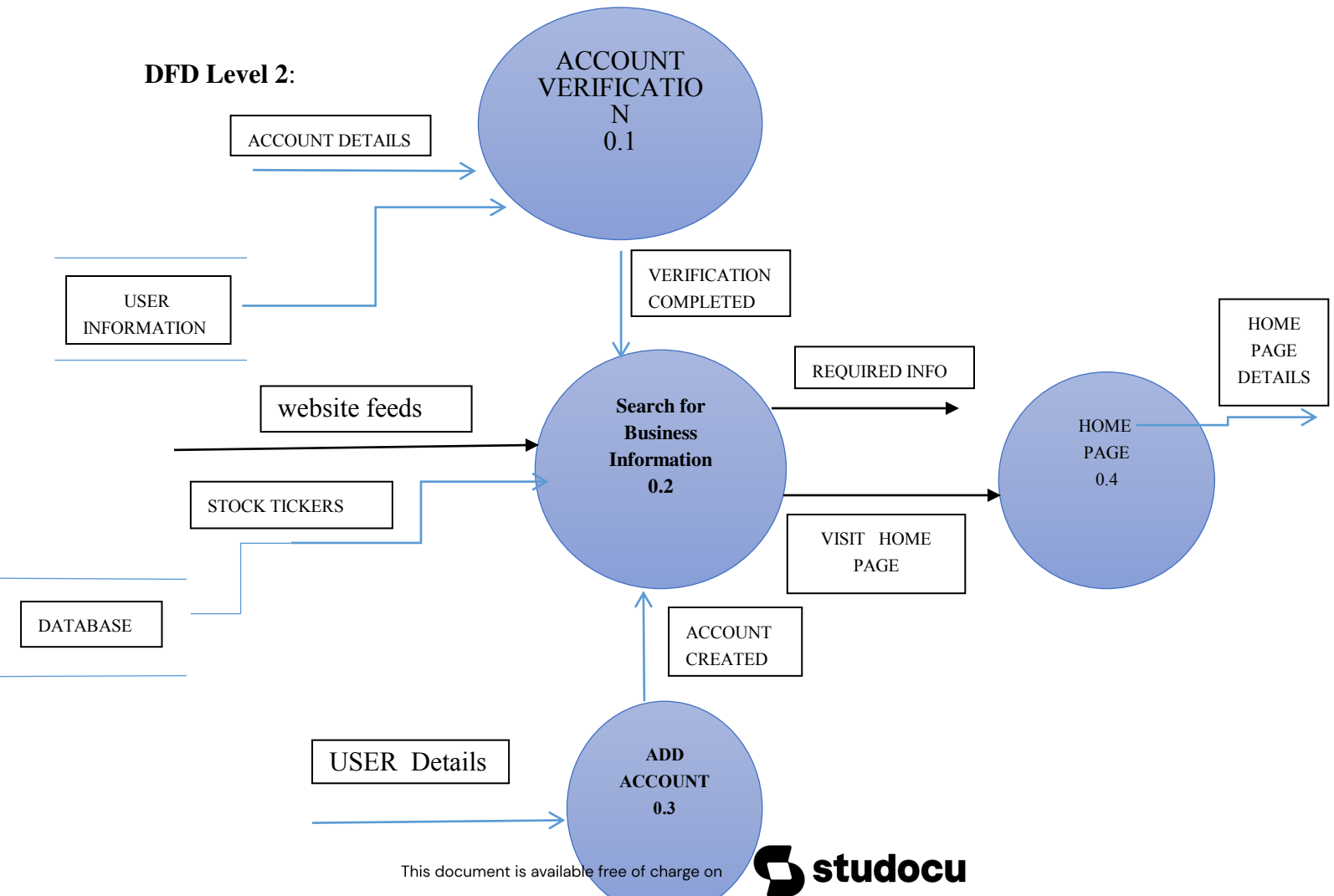
Data Flow diagram is a graphical representation of flow of data throughout the information system. Data flow diagrams illustrate how data is processed by a system in terms of inputs and outputs.

Name	Notation	Role
Process		Transforms incoming data flow to output dataflow
Data Store		Repository and their data system
Data Flow		Dataflow are pipelines through which packet of information flows
External Entity		System entitys are object outside the system with which system communicates

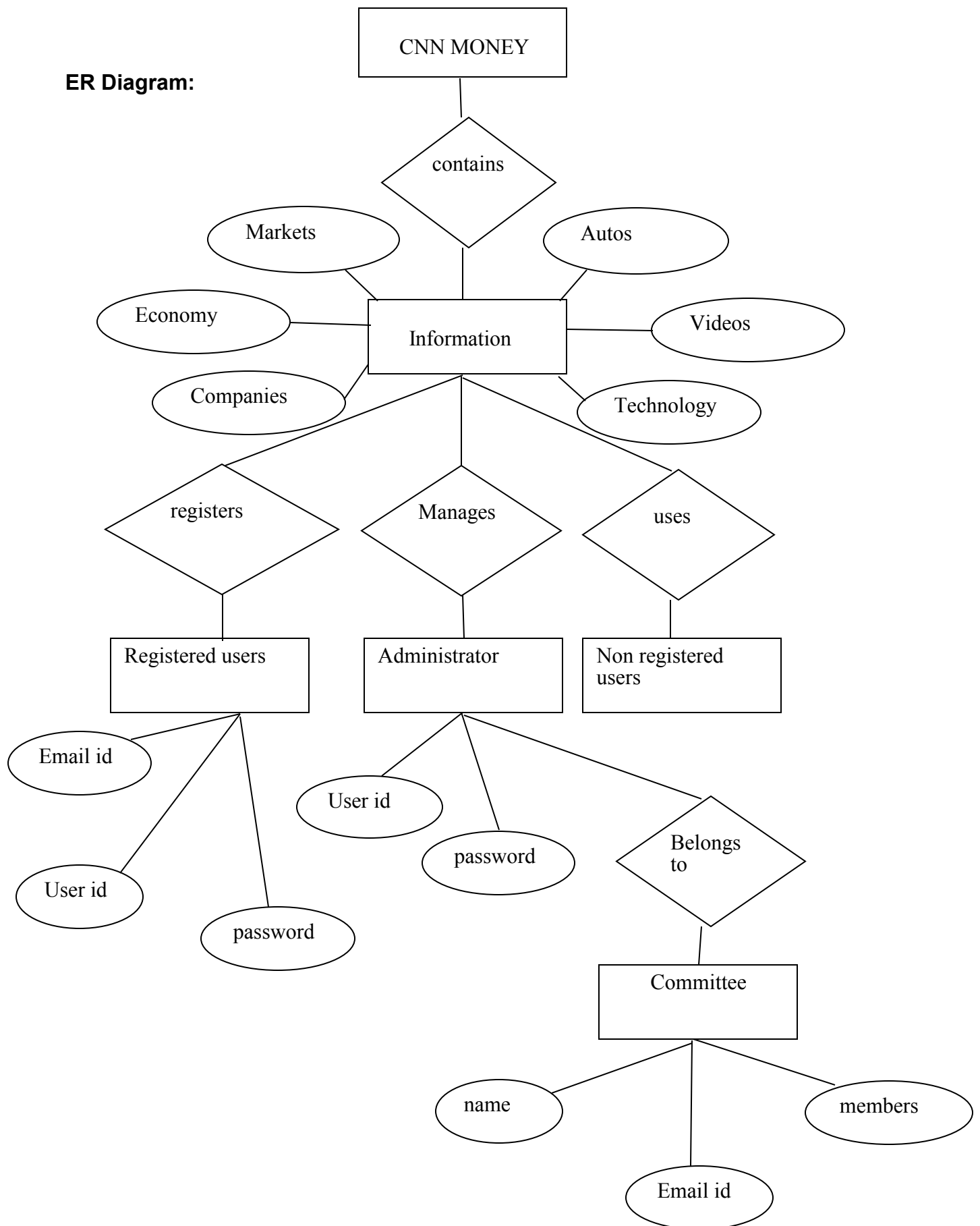
## DFD Level 0 :



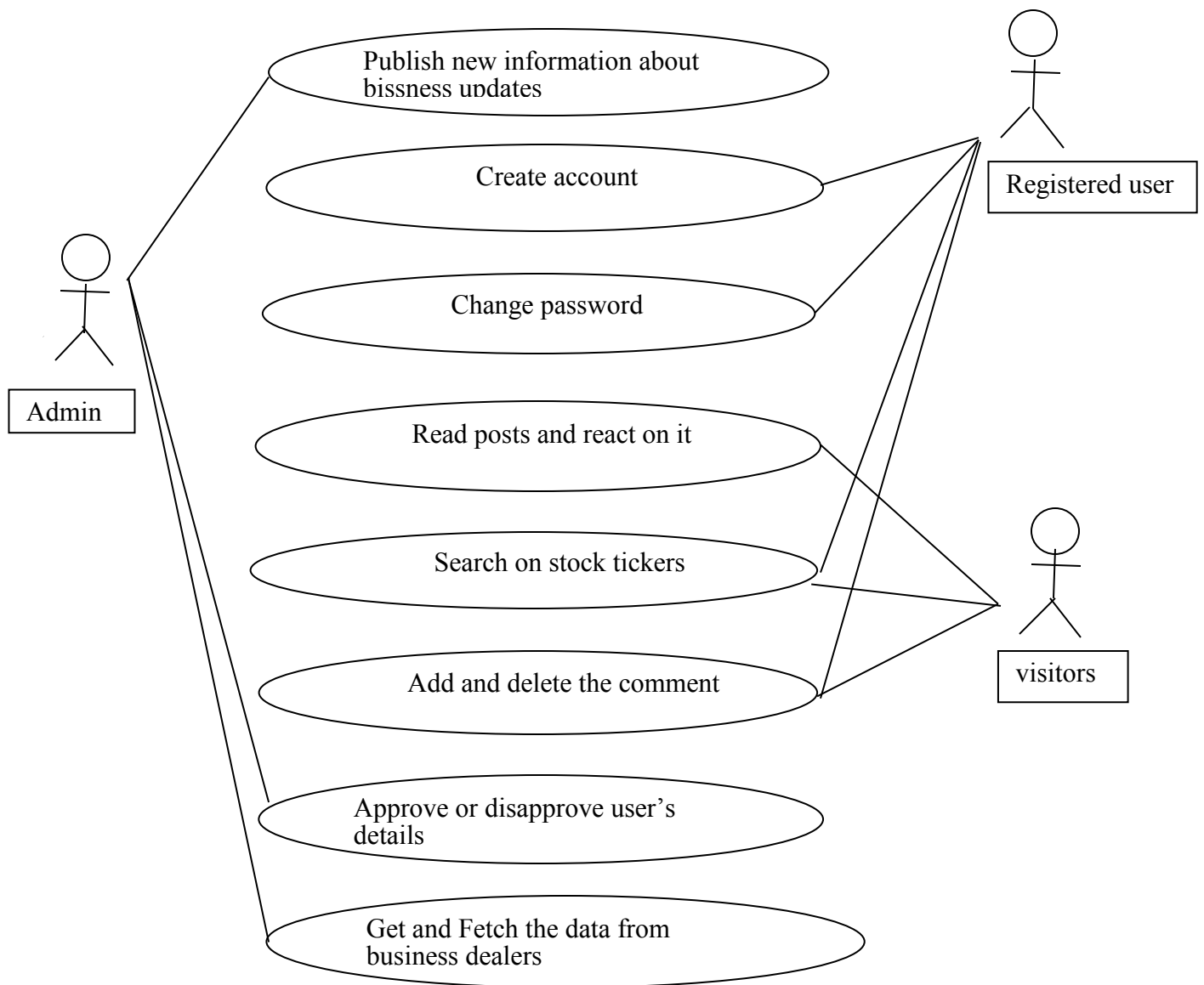
## DFD Level 2:



**ER Diagram:**



## Use Case Diagram:



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# Testing Phase

Testing phase is a very important for a successful system. In this phase before implementing the new system into operation, for eliminating bugs a test run of the system is done. After completing codes for the whole programs of the system, a test plan should be developed and run one given set of test data.

Using the test data subsequent test run are carried out:

## Functional Testing:

### TEST CASES:

TC_ID	TC_NAME	OBJECTIVE	STEPS TO FOLLOW	EXPECTED RESULT	ACTUAL RESULT	STATUS
SEARCH BOX(STOCK TICKERS):						
TC_01	Valid search	To check whether the search box is searching for the data	Write something in box and search for it	It should search for the data filled by the user	It is searching the data	Pass

TC_02	invalid search	To check whether the search box is searching for the data	Write something in box and search for it	It shouldnot search for theinvalid data filled by the user	It is not searching the data	Pass
Home Page:						
TC_03	Market	To check whether the market tag is working or not	Enter URL in browser.click on the market tag	It should load the Market content	Market content is loading	Pass
TC_04	Economy	To check whether the Economy tag is working or not	Enter URL in browser. click on the conomy tag	It should load the economycontent	economy content is loading	Pass
TC_05	Tech	To check whether the Tech tag is working or not	Enter URL in browser.click on the Tech tag	It should load the Tech content	Tech content is loading	Pass



TC_06	Videos	To check whether the Video tag is working or not	Enter URL in browser. click on the Video tag	It should load the Video content	Video content is loading	Pass
TC_07	Autos	To check whether the auto tag is working or not	Enter URL in browser.click on the auto tag	It should load the auto content	auto content is loading	Pass
TC_08	India	To check whether the india tag is working or not	Enter URL in browser.click on the india tag	It should load the india content	India content is loading	Pass
TC_09	Required Fields	To find is proper alignment between all the tags is there or not	NA	All fields on page (e.g. text box, radio options, dropdown lists) should aligned properly	Yes,fields are aligned properly	Pass
Login:						
TC_10	Email login	To check user is logging in only with the email id	Enter the email id in login portal	User should login only with email id	User is logging in with email id	pass

TC_11	Negative testing	Test all the other options(non email ids)	Enter anything other than the mail id	User should not get log in	User is getting pop up message that user id is not valid	pass
TC_12	validations	Text whether password is having alphabet, special character, Numerical and password is minimum of 8 letters	Write the password in password field	With peoper validations only the user should get loggeg in	All the conditions are checked.user creating account with all validations	pass
Market:						
TC_13	Content Functioning	To see on mouse clicking all the functions are giving results or not	Click one by one on all the contents of market	All functions should work properly	All the functions are working	pass
TC_14	Alignment of business news	to check the alignment is	NA	Market page should align properly	It is as per user's requirement	pass
TC_15	graph	Check for graph of sector's performance	NA	Graph should be designed as per the data given by companies	It is functioning properly	pass

TC_16	Stock market	To check the Stocks sorting functionality	NA	Ascending and descending sorting functionality should work for columns supported with data sorting	Data is sorted descendingly	pass
TC_17	World Market	To check whether the World Market tag is working or not	Enter URL in browser. click on the World Market tag	It should load the World Market content	World Market content is loading	Pass
TC_18	Buzz	To check whether the Buzz tag is working or not	Enter URL in browser. click on the Buzz tag	It should load the Buzz content	Buzz is loading	Pass
TC_19	Investing stories	To check whether the Investing stories tag is working or not	Enter URL in browser. click on the Investing stories tag	It should load the Investing stories content	Investing stories content is loading	Pass
Videos:						
TC_20	available	To check whether the videos are displaying or not	Select any video	Video should be available and run with no bugs in it	Video is available.	pass

TC_21	Not available	To check whether the videos are displaying or not	Select any video	Video should be available and run with no bugs in it	Video is not available	fail
Economy:						
TC_22	numeric data(money)	Check for the digits given their in economy	Compare with another site	It must show the right data in Right way	Compared the numeric data.it is showing the right one	pass
TC_23	updates	Check the updated results with time	NA	It should update the stock and business data per 10 seconds	Yes, website is updating with current data within10 second	pass
TC_24	Growing india	To check whether the Growing india tag is working or not	Enter URL in browser.click on the Growing india tag	It should load the Growing india content	Growing india content is loading	Pass
TC_25	Traders	To check whether the Traders tag is working or not	Enter URL in browser.click on the Traders tag	It should load the Traders content	Traders content is loading	Pass

TC-26	Production and consumptions	To find whether the registered users production and consumption data is updating or not	NA	User must able to see all its produced and consumed data	User can see the produced and consumed data	pass
Companies:						
TC_27	feedback	Check for the data feeded by the companies ,whether it is reflecting to registered user or not	See the Campany data and latest news	The data should only reflect to the registerd user	Yes,it is reflecting to registered user	pass
Tc_28	Global India					
TC_29	Innovates	To check whether the Innovates tag is working or not	Enter URL in browser.click on the Innovates tag	It should load the Innovates content	Innovates content is loading	Pass
TC_30	Upstarts	To check whether the Upstarts tag is working or not	Enter URL in browser.click on the Upstarts tag	It should load the Upstarts content	Upstarts content is loading	Pass

GUI TESTING:						
Tc_31	UML	To check with correct URL address the site is loading or not	Write a URL address in the address bar on net	Website should be load successfully	Website is loading	Pass
TC_32	Gadget Presentation	To check the various display presentation	NA	Websiteshould be tested on variety of displays like LCD, CRT, Notebooks, Tablets, and Mobile phones	Website presentation is proper	Pass
TC_33	Screen resolution	To check for screen resolution	NA	Test with different screen resolutions like 1024 x 768, 1280 x 1024, etc.	Screen resolution is perfect	Pass

TC_34	Grammatical and spelling error	To check for the grammatical and spelling mistakes	NA	There should not be any spelling and grammatical mistake	There is no spelling and grammatical mistakes	Pass
TC_35	Font and all description	To check Font size, style and color for headline, description text, labels, infield data, and grid info should be standard as specified in SRS	NA	The font and the description should be as per the user's requirement	All the font, color style is as per user's requirement	Pass
TC_36	Information for user	To check for the proper submission of the form	NA	Information filled by users should remain intact when there is error message on page submit. User should be able to submit the form again by correcting the errors	Yes, it is submitting the information and correcting the errors	Pass

TC_37	Filter criteria	To check whether user is able to filter results	NA	User should be able to filter results using all parameters on the page	User is able to filter results using all parameters	Pass
TC_38	Result grid	Check if all search parameters are used to fetch data shown on result grid	NA	parameters should be used to fetch data shown on result grid	Parameter is fetching data	Pass
<b>Database testing:</b>						
TC_39	Data saving	Check if correct data is getting saved in database upon successful page submit	NA	Data should be saves properly	Data is saving properly	Pass
TC_40	Commands of database	Check is values for table audit columns (like created date, created by, update date, etc.) are populated properly	NA	Commands should be written properly	Commands are written properly	Pass



