A

Project Synopsis

On

"Share Market Workflow"

Bachelor of Business Administration

(Computer Application)/BCA

Under The Guidance of

Prof . Sabale.S.B

Submitted By

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Introduction

Stock market is a place where people buy/sell **shares** of publicly listed companies. ... However, it is important to note that a person can trade in the **stock market** only through a registered intermediary known as a **stock** broker. The buying and selling of **shares** take place through electronic medium.

Definition: It is a place where shares of pubic listed companies are traded. The primary market is where companies float shares to the general public in an initial public offering (IPO) to raise capital.

Description: Once new securities have been sold in the primary market, they are traded in the secondary market—where one investor buys shares from another investor at the prevailing market price or at whatever price both the buyer and seller agree upon. The secondary market or the stock exchanges are regulated by the regulatory authority. In India, the secondary and primary markets are governed by the Security and Exchange Board of India (SEBI).

A stock exchange facilitates stock brokers to trade company stocks and other securities. A stock may be bought or sold only if it is listed on an exchange. Thus, it is the meeting place of the stock buyers and sellers. India's premier stock exchanges are the Bombay Stock Exchange(BSE) and the National Stock Exchange(NSE).

Literature Survey

2.1. Existing System

• Maintaining the data of stock market manually is very difficult where we deal with huge amount of data and the data will be changing frequently (daily basis)depending upon the share market.

• Viewing of the required data is also a big problem and end –user will not get the clear idea about the Stock.

• In existing system you can view company wise (stock) details For ex. company name , company previous close price, today open price ,today high price , today low price , today close price , volume ,52 week high ,52 week low .

• Historical data is available in system, historical data up to the 3 month

2.2. Proposed System

• All this trade Information's are captured in the table this data for the master tables are displayed in different formats using reports as part of daily information to the clients who trade with the stock brokers Design and Development of Client ,Organizer ,Reports modules.

• Thousands (+) of stock available in share market but Customer only focus on according to choice N number of stock and they will be do analysis

only selected stock so that market N number of strategies available for the particular

For ex. Hedging , intraday ,todays open close strategies ,average strategies ,nifty future strategies

• According to strategies we are creating N numbers of workflows

• For specific stocks or only selected stocks add in system

• Consume web API and dump data in SQL /MYSQL (DB)

user dashboard used for analysis purpose like top losers and gainer for day,

52 week high and low for list of stocks.

2.3. Feasibility Study

1.Technical Feasibility-

• A computer system more effective than existing manual system
our system does not any high configuration or software & hardware
It easy to understand &use because build as per requirement.

2 .Economic Feasibility-

• It consider system development cost & benefits .system does not require any additional hardware, so system is economically feasible.
• Should have brokerage account for live data
For Ex. Zerodha , Angel broking, up stock each
• Zerodha are payable 2000 monthly for Web API
•For Zerodha used your individual A/c
• Angel are free of cost

3. Operational Feasibility-

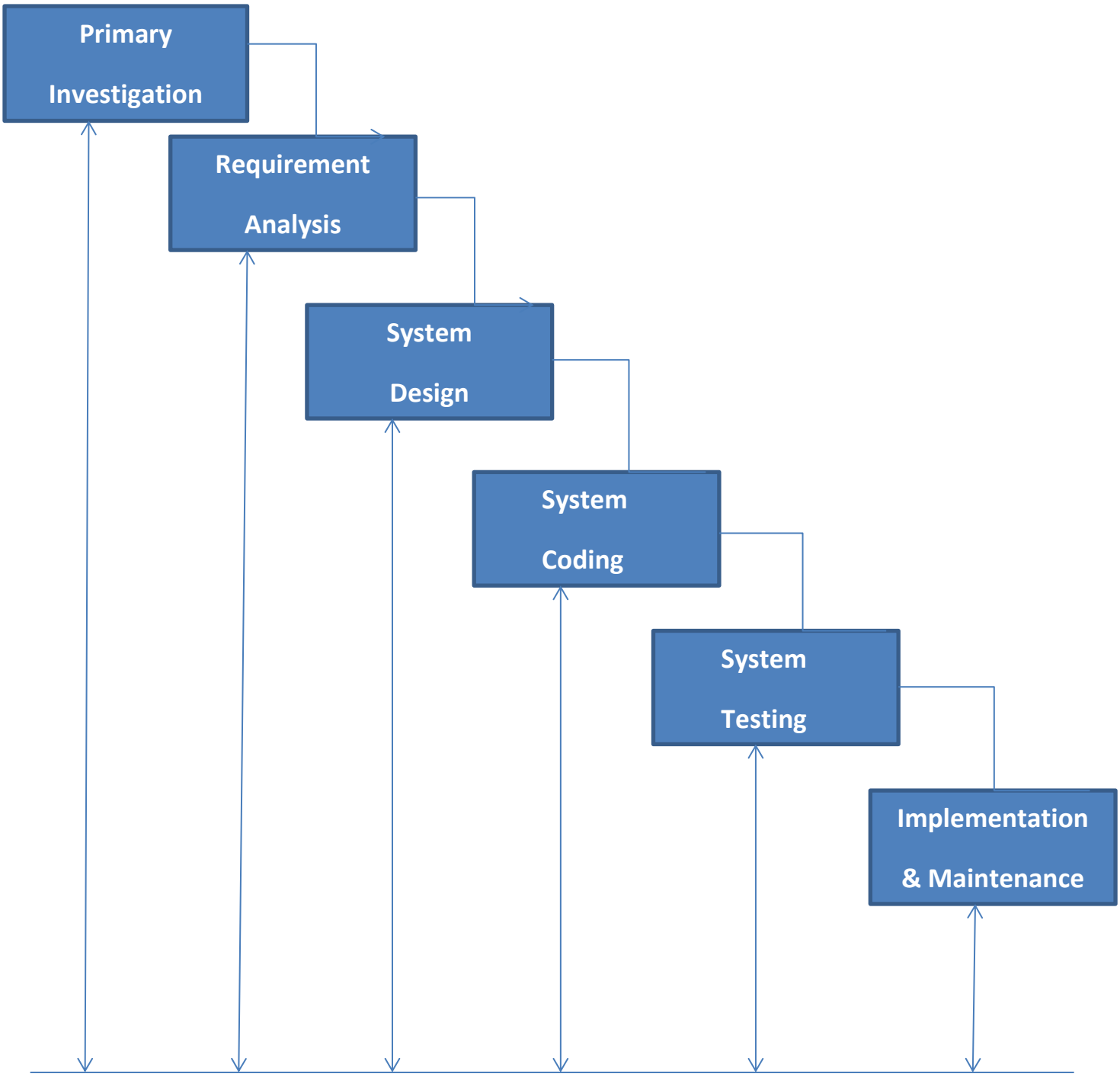
- No training is required
- User can easily operate the system
- View of system is very simple that for not trouble for handling user.
- Save paperwork & also save time
- Our system is user friendly

Objective of System

- To create a workflow for share market Stocks data management (opening price , closing price each) which is help for analytical purpose to take decision for buying selling stocks according to the different strategies (Hedging , intraday ,todays open close strategies ,average strategies ,nifty future strategies) by using technology VB.Net, SQL server.

Methodology

- **Waterfall Model**



Hardware & Software Requirement

• Hardware Requirement

- Processor: Intel i3
- Ram: 4GB
- Hard disk: 500GB

• Software Requirement

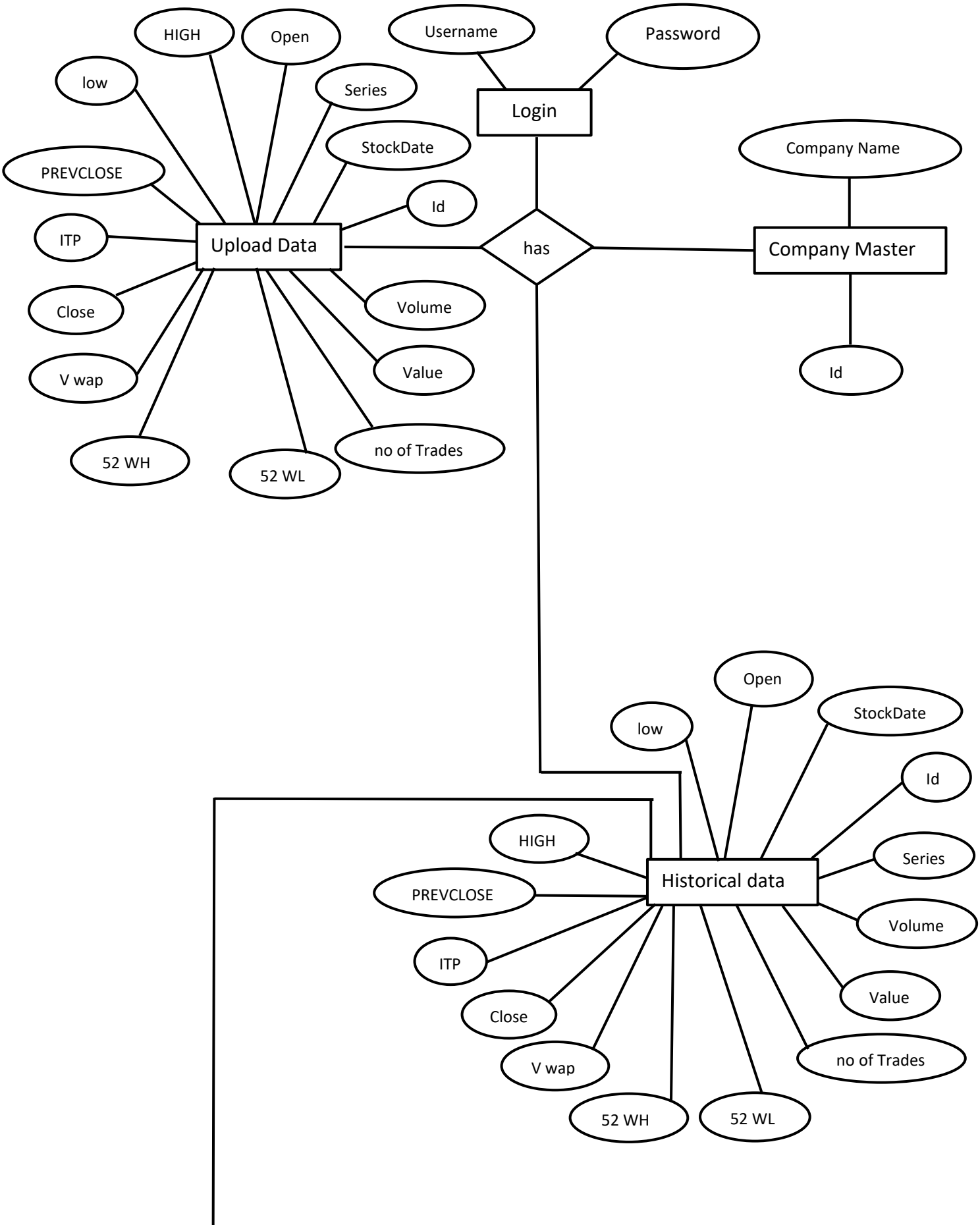
- Windows 10
- Visual studio 2019
- SQL server 2019

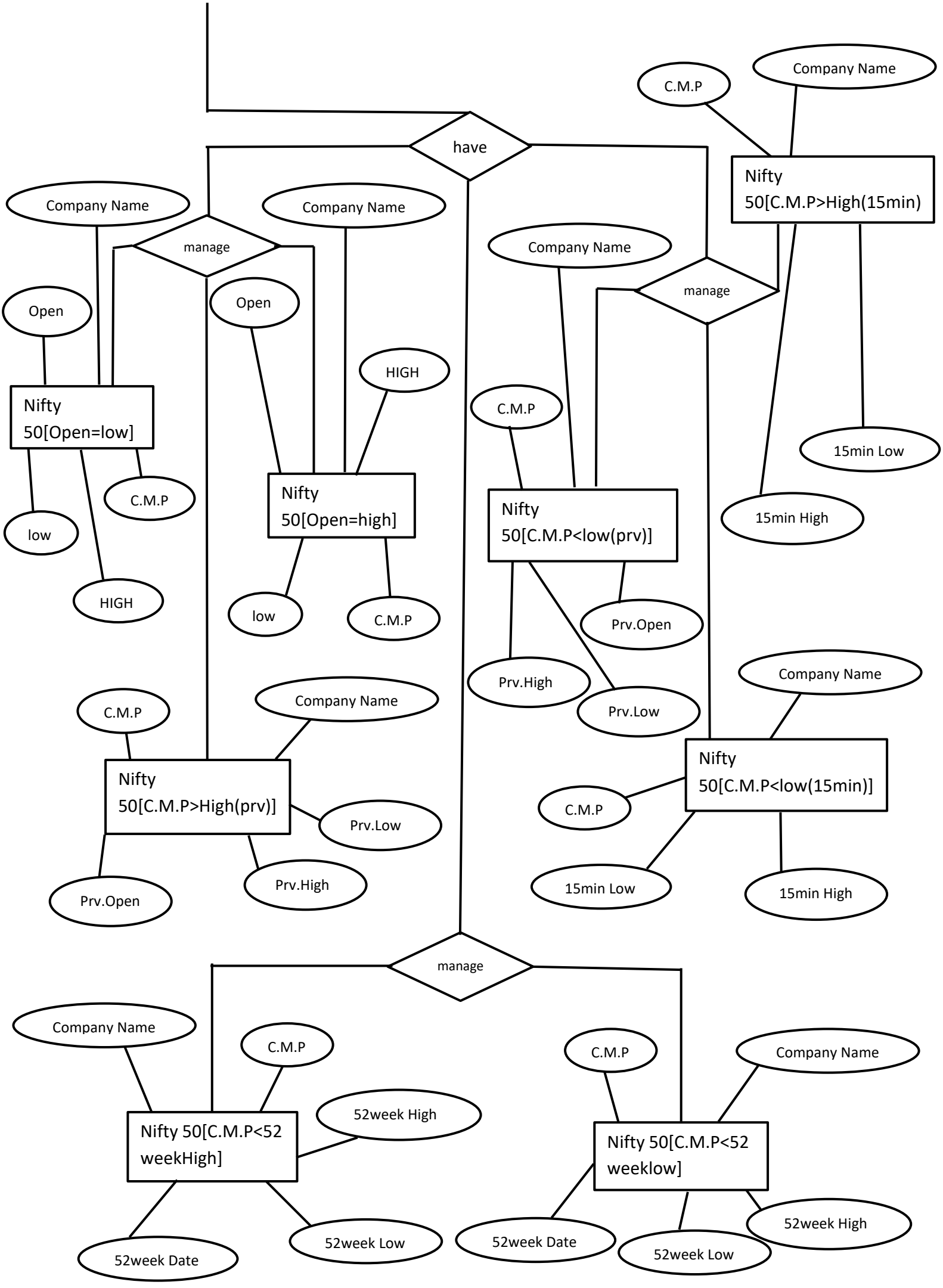
Bibliography/References

- www.google.com
- www.nseindia.com
- www.w3school.com

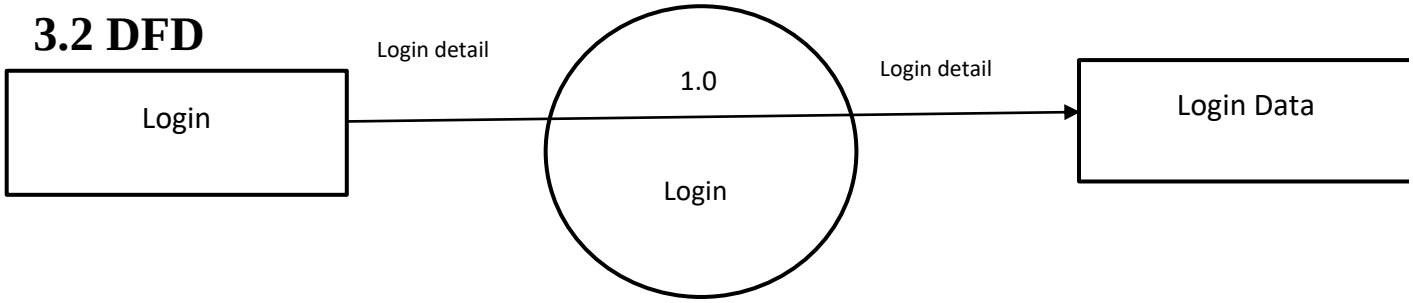
Diagram

3.1 ER Diagram




have
manage
Company Name
Open
HIGH
Nifty 50[Open=low]
low
C.M.P
HIGH
Nifty 50[Open=high]
low
C.M.P
C.M.P
Company Name
Nifty 50[C.M.P>High(15min)
15min Low
15min High
manage
Company Name
C.M.P
Nifty 50[C.M.P<low(prv)]
Prv.Open
Prv.High
Prv.Low
manage
C.M.P
Company Name
Nifty 50[C.M.P>High(prv)]
Prv.Low
Prv.High
Prv.Open
Company Name
Nifty 50[C.M.P<low(15min)]
C.M.P
15min Low
15min High
manage
Company Name
C.M.P
Nifty 50[C.M.P<52 weekHigh]
52week High
52week Date
52week Low
C.M.P
Company Name
Nifty 50[C.M.P<52 weeklow]
52week Date
52week Low
52week High

3.2 DFD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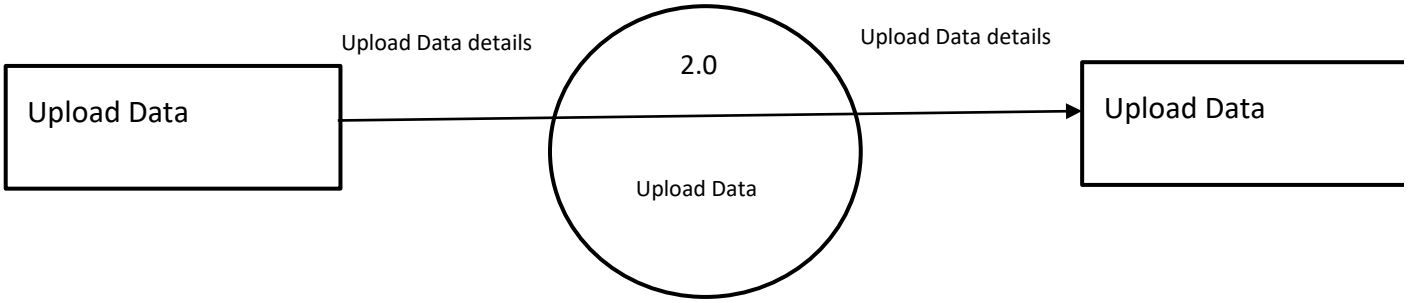
Login
Login detail
Login Data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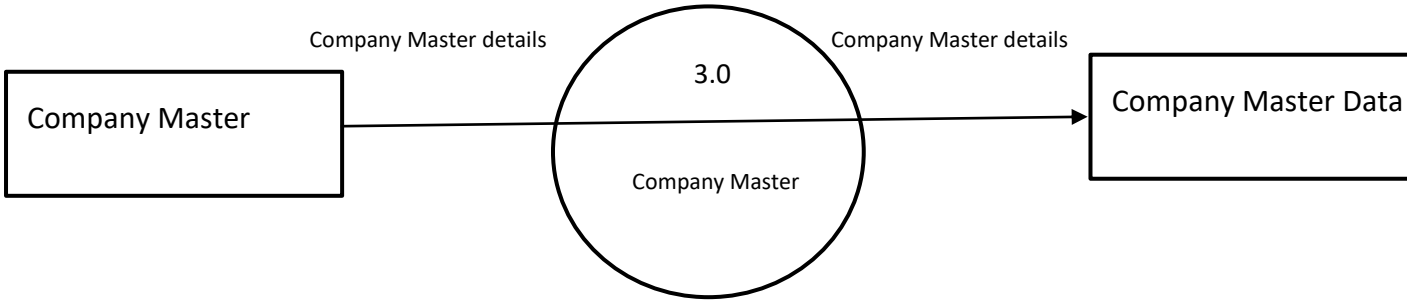
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Company Master
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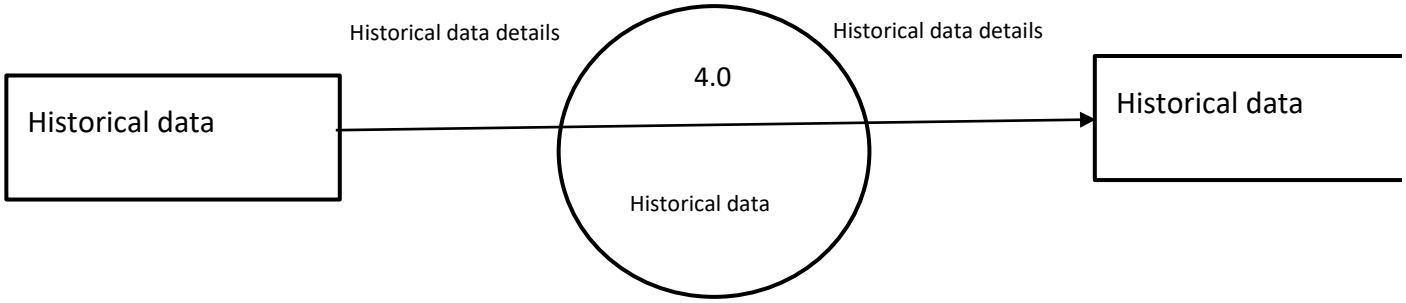
Company Master Data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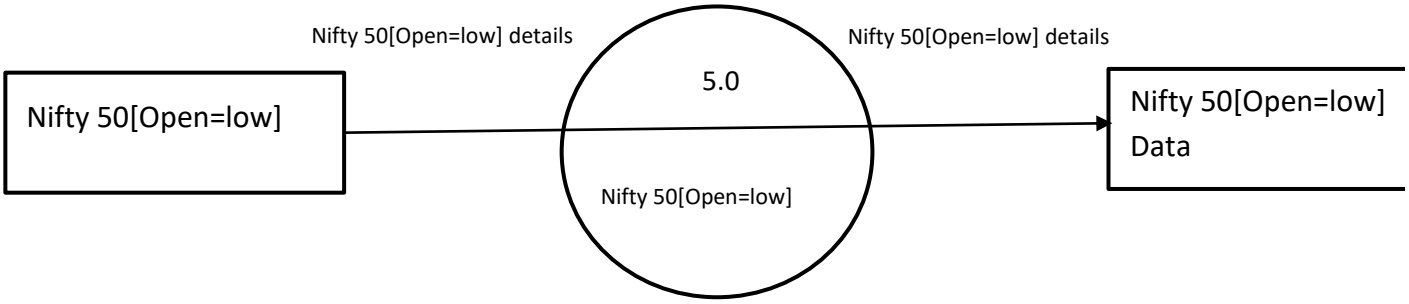
Historical data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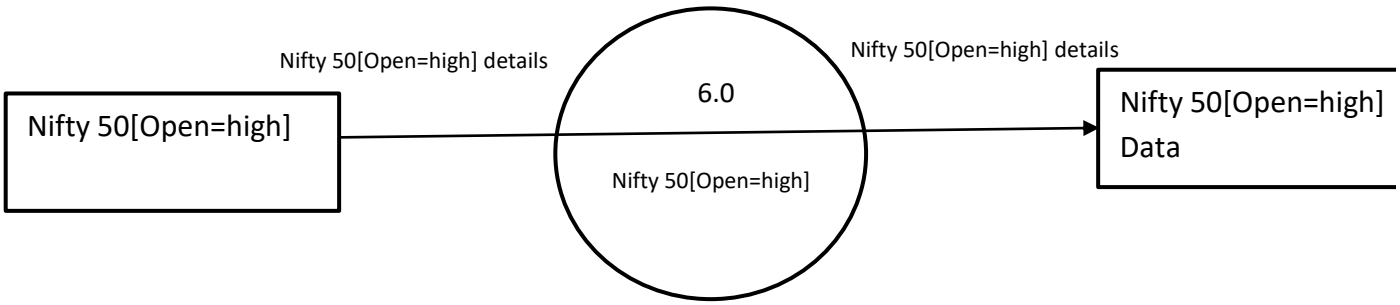
Nifty 50[Open=low] Data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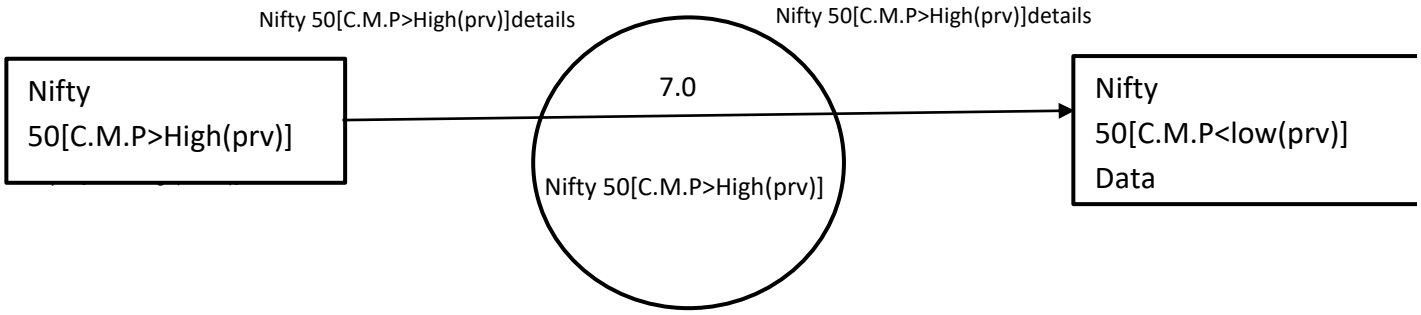
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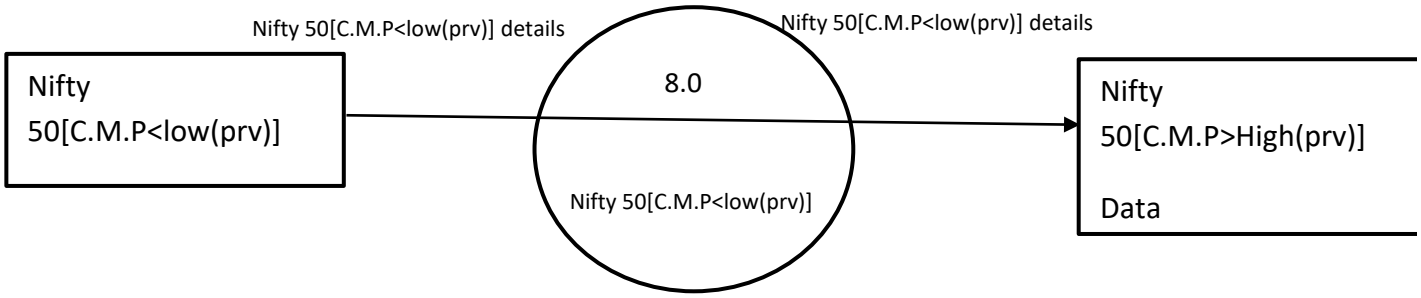
Nifty 50[C.M.P<low(prv)] Data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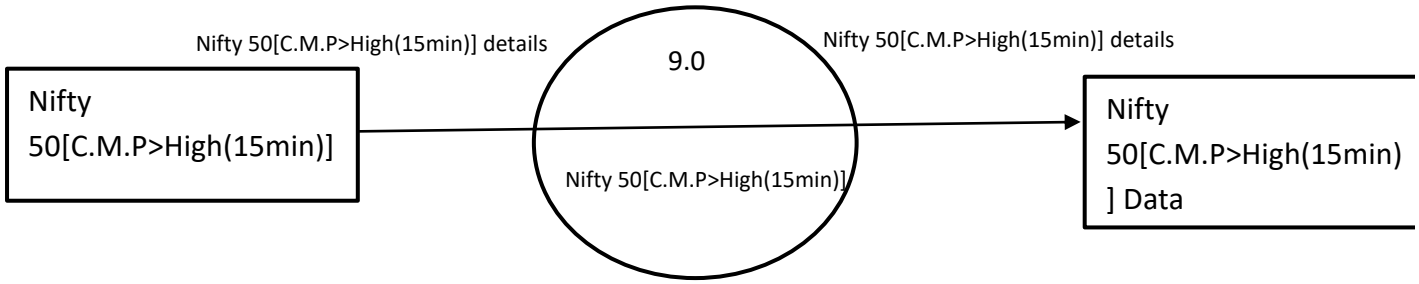
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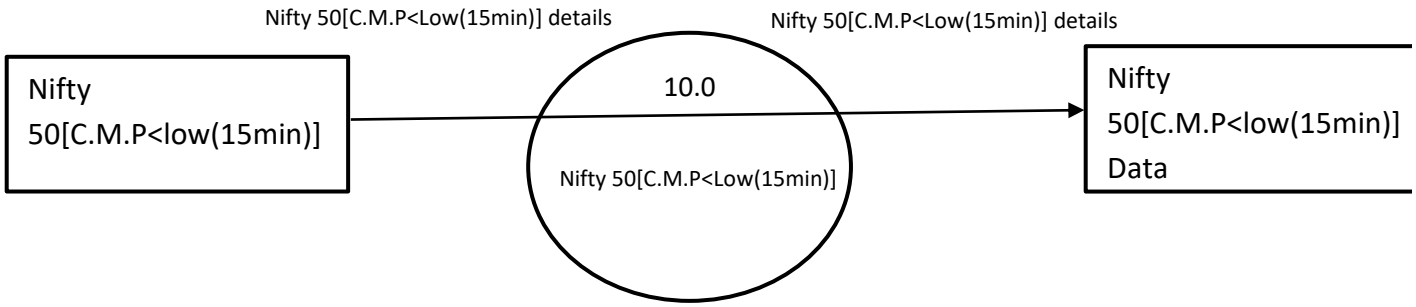
Nifty 50[C.M.P>High(15min)] Data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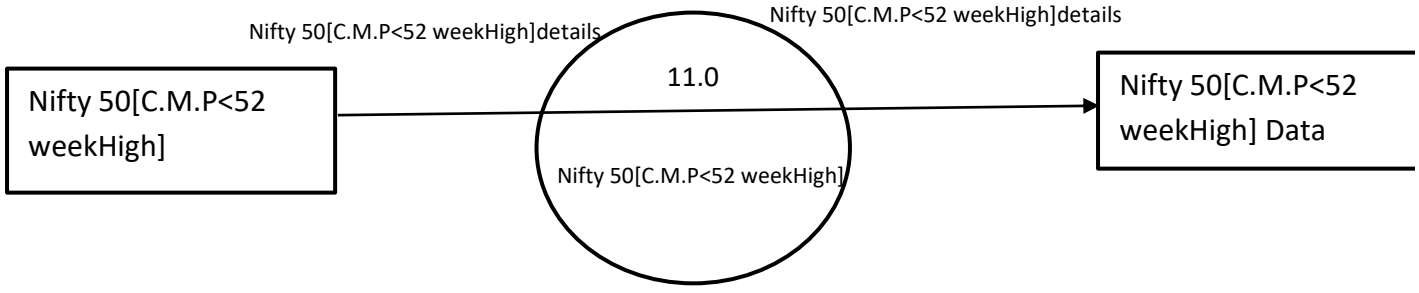
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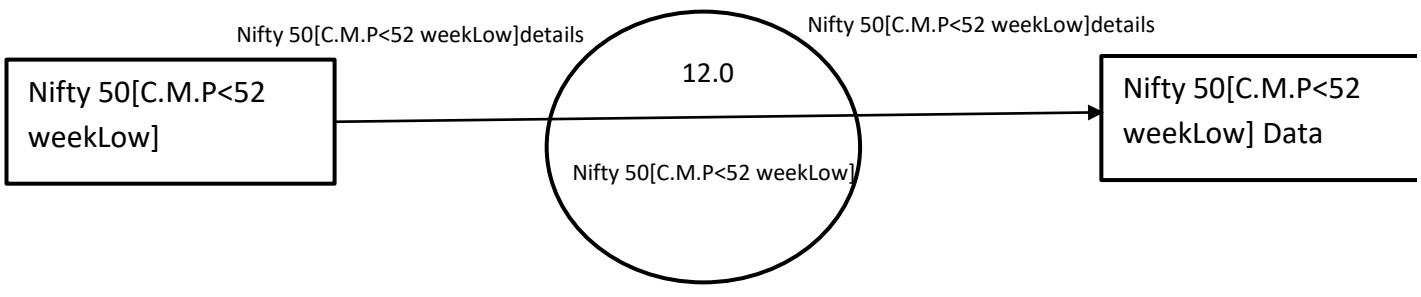
Nifty 50[C.M.P<52 weekHigh]
Nifty 50[C.M.P<52 weekHigh] Data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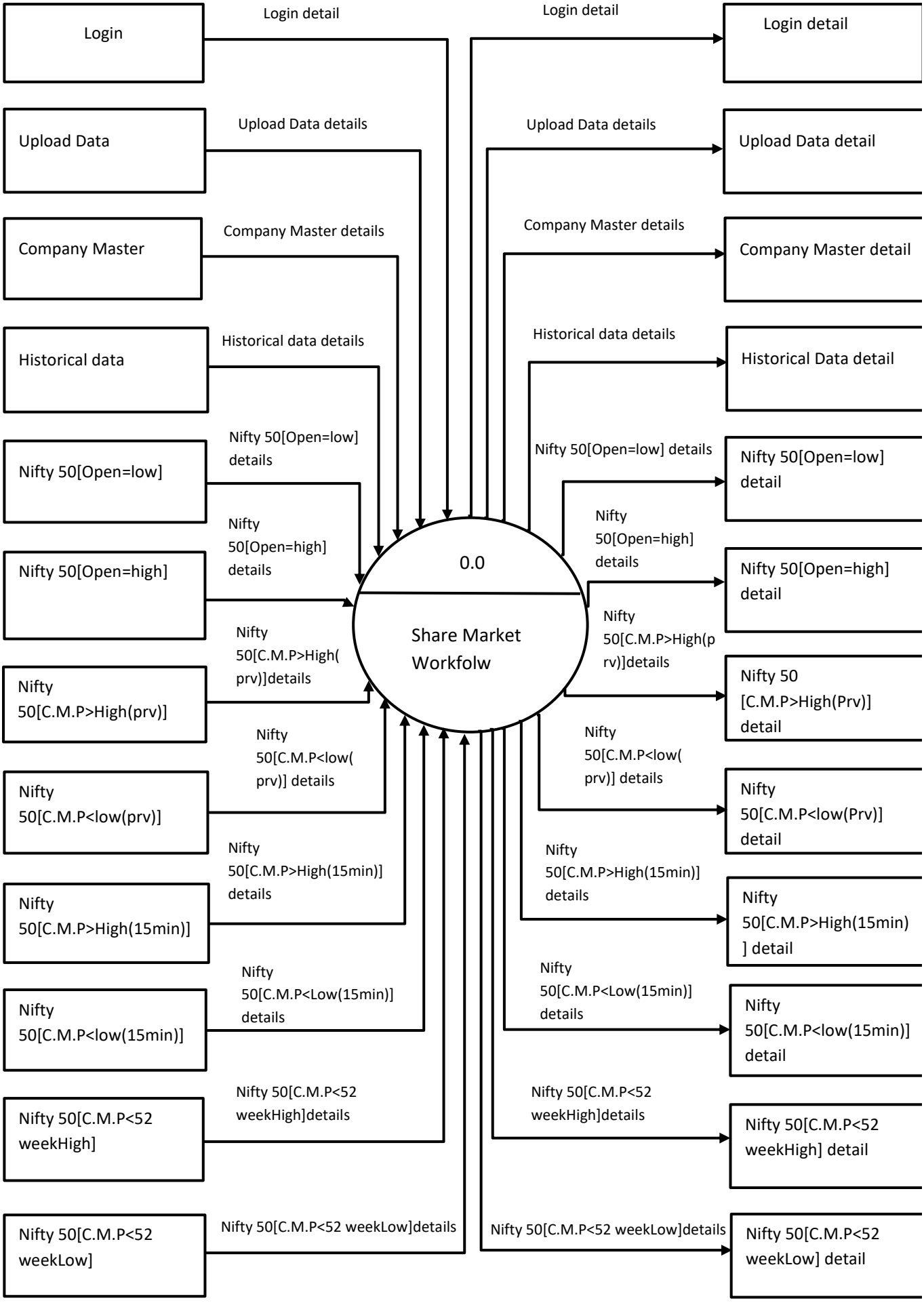
Nifty 50[C.M.P<52 weekLow]
12.0
Nifty 50[C.M.P<52 weekLow]
Nifty 50[C.M.P<52 weekLow] Data

3.3 Zero DFD Diagram



Database

1.dbo.Users

Id	username	Mobile	Email	userAddress	Password
1	Ashit	7038257952	ashitdighe@g...	Jorve	ashit@123
2	Sunil	3254662772	suniljadhav@g...	Panodi	sunil@123
3	Rohit	8007261846	Rohitjadhav@g...	Sangamner	rohit@123
4	Pratik	7050365245	pratikkavitke@...	Sangamner	pratik@123
5	Vikas	7456773245	vikasnikam@g...	Jorve	vikas@123
NULL	*NULL*	*NULL*	*NULL*	*NULL*	*NULL*

2.dbo.companyDetails

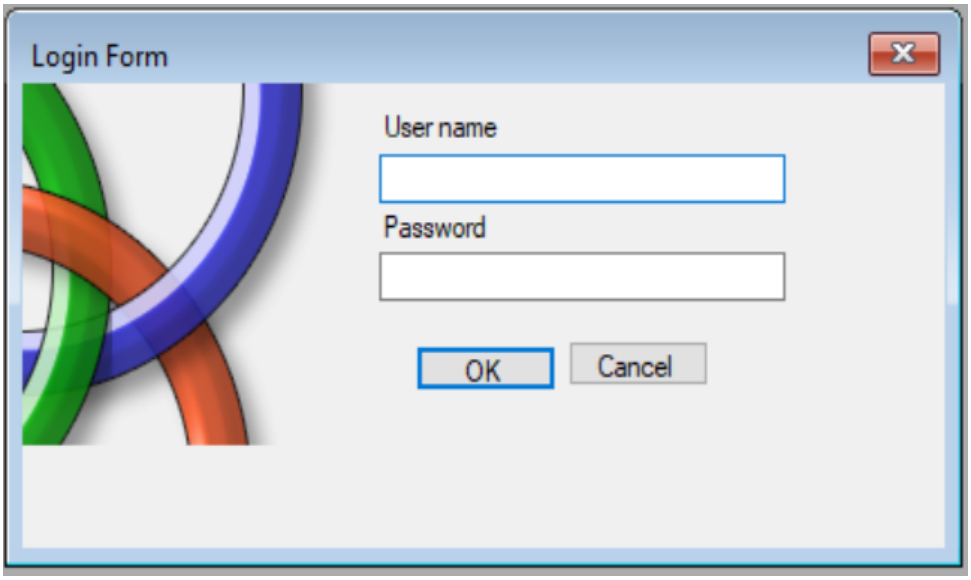
Id	companyName
1	Reliance
2	BajajFinance
3	ArtiDrugs
4	TataMotors
5	AdaniEnterpris
6	ICICIBank
7	BhartiAirtel
8	SunPharma
9	HDFC
10	VodafoneIdea

3.dbo.Stocklist

Id	stockDate	series	open	HIGH	low	PREVCL...	ltp	close	vw...	52WH	52...	volume	value	noOfTr...	comp...
24	27-11-2020 00:...	EQ	1980	1993	1942	1964	1948	1948	1969	2369	876	15062376	29658744016	356793	2
25	26-11-2020 00:...	EQ	1964	1974	1932	1951	1971	1964	1952	2369	876	14277083	27870435600	362587	2
26	25-11-2020 00:...	EQ	1951	1970	1926	1900	1955	1951	1952	2369	876	20918665	40837042220	497781	2
27	22-11-2020 00:...	EQ	1975	1984	1895	1973	1901	1900	1923	2369	876	26522972	51010821673	794436	2
28	21-11-2020 00:...	EQ	1987	2010	1968	1987	1972	1973	1987	2369	876	12828008	25492281433	307890	2
29	20-11-2020 00:...	EQ	1993	2007	1960	1993	1991	1987	1980	2369	876	14030652	27780020120	410607	2
30	19-11-2020 00:...	EQ	2085	2085	1985	2002	1995	1993	2013	2369	876	21479385	43241364015	462630	2
31	16-11-2020 00:...	EQ	2015	2015	1995	1996	2002	2002	2006	2369	876	2411900	4838163828	99484	2
32	15-11-2020 00:...	EQ	1982	2037	1982	1980	2000	1996	2007	2369	876	20946864	42048268832	507695	2
33	14-11-2020 00:...	EQ	1981	2008	1965	1997	1982	1980	1987	2369	876	18481466	36725218563	440630	2
34	13-11-2020 00:...	EQ	2089	2095	1978	2085	2000	1997	2028	2369	876	26178477	53084610845	647679	2
35	12-11-2020 00:...	EQ	2077	2090	2041	2051	2089	2085	2072	2369	876	17045147	35315160451	399073	2
36	11-11-2020 00:...	EQ	2062	2069	2036	2029	2051	2051	2052	2369	876	16539467	33937502974	384188	2
37	08-11-2020 00:...	EQ	1990	2040	1978	1955	2025	2029	2016	2369	876	30770080	62023880104	649196	2
38	07-11-2020 00:...	EQ	1955	1961	1932	1913	1957	1955	1949	2369	876	17170274	33465297066	448665	2
39	06-11-2020 00:...	EQ	1837	1929	1837	1850	1911	1913	1893	2369	876	37003111	70055655614	888904	2
40	05-11-2020 00:...	EQ	1890	1909	1835	1877	1855	1850	1874	2369	876	40931170	76701761539	990935	2
41	04-11-2020 00:...	EQ	2027	2027	1859	2055	1876	1877	1928	2369	876	45857806	88393320147	1428490	2
42	01-11-2020 00:...	EQ	2034	2065	2022	2027	2064	2055	2041	2369	876	15701123	32040607252	349177	2
43	31-10-2020 00:...	EQ	1997	2042	1991	2011	2029	2027	2020	2369	876	14147681	28572185906	382087	2

Screen Layout

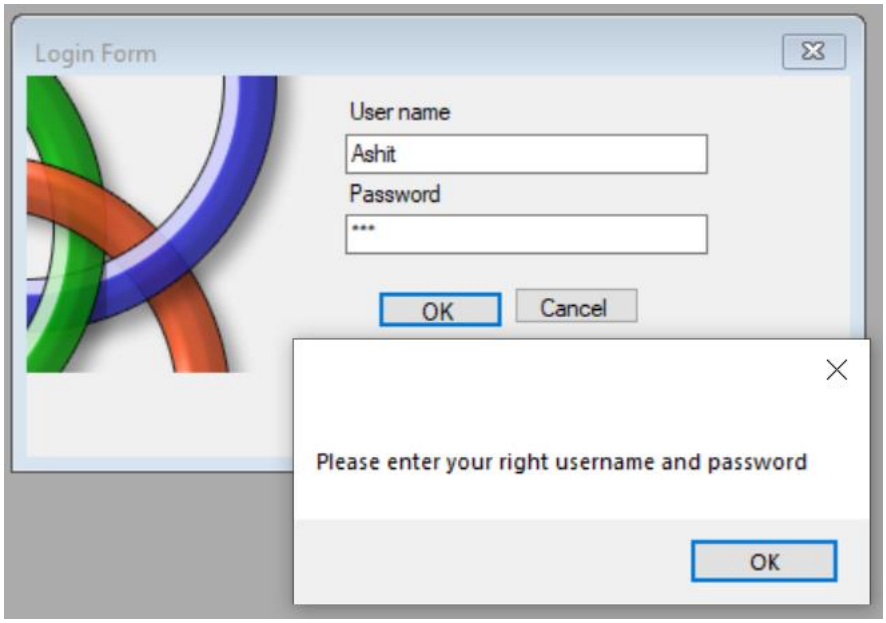
Login



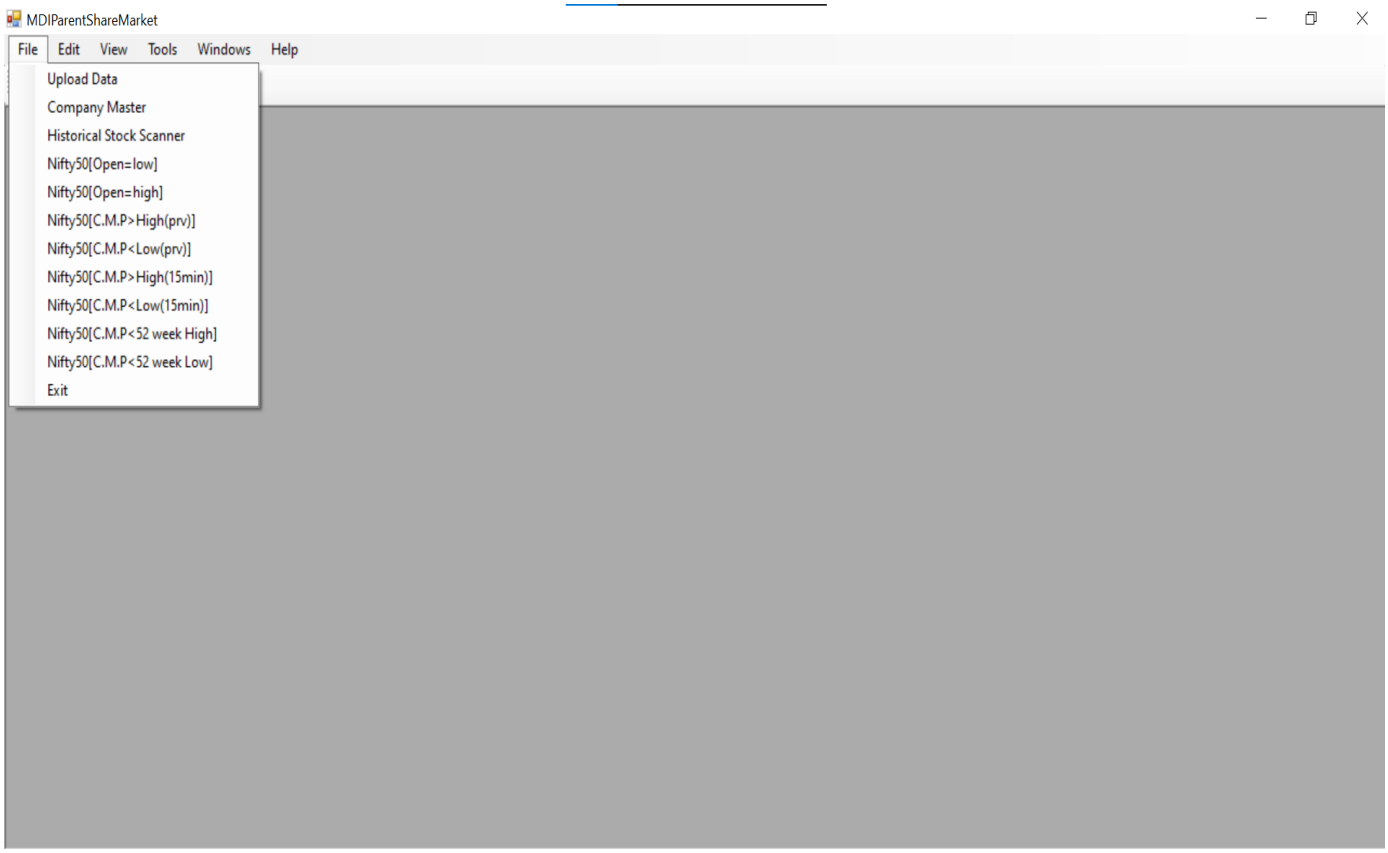
So ,This is the login page .In which username and password are provided to fill .only Admin can handle this page for the security purpose.

If the username or password are incorrect then message box will appear on the screen

E.g

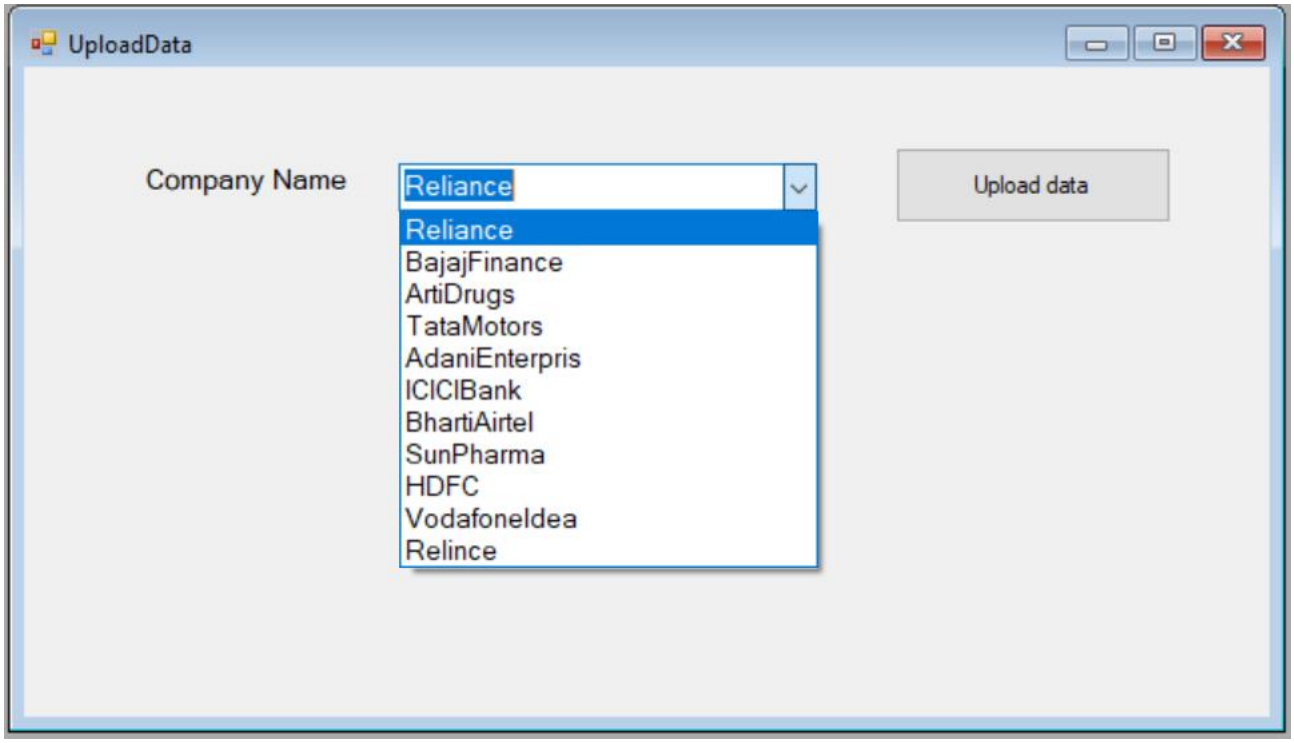


Parent Share Market Form



By using correct username and Password Parent share Market form will Display.

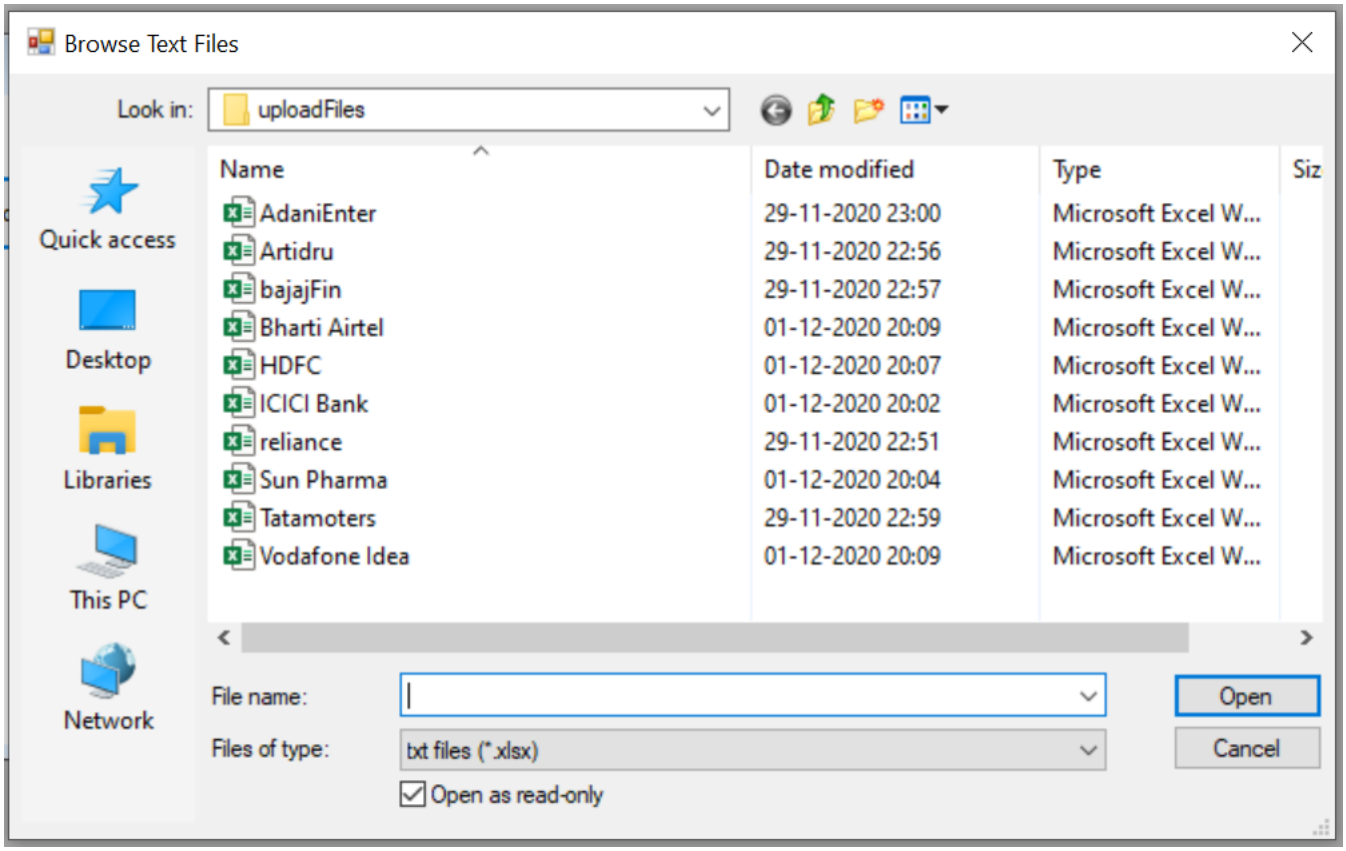
Upload Data



By clicking on file menu ,click the upload data opting which is provided on the first option of combobox

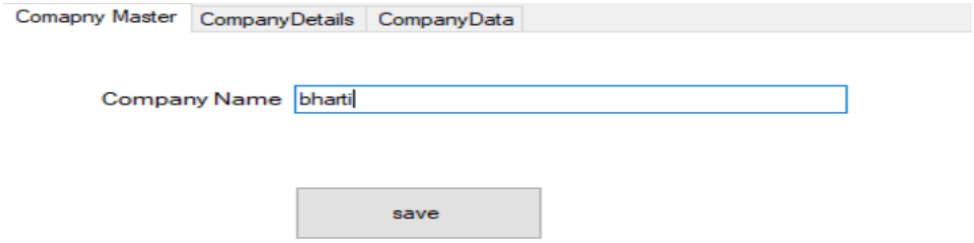
Then select requird company name and upload the company data on database by clicking upload data option.

Upload File Folder



When we click on upload data option ,upload file folder will open .basically upload file folder is such a folder in which the excel format data of company is stored .

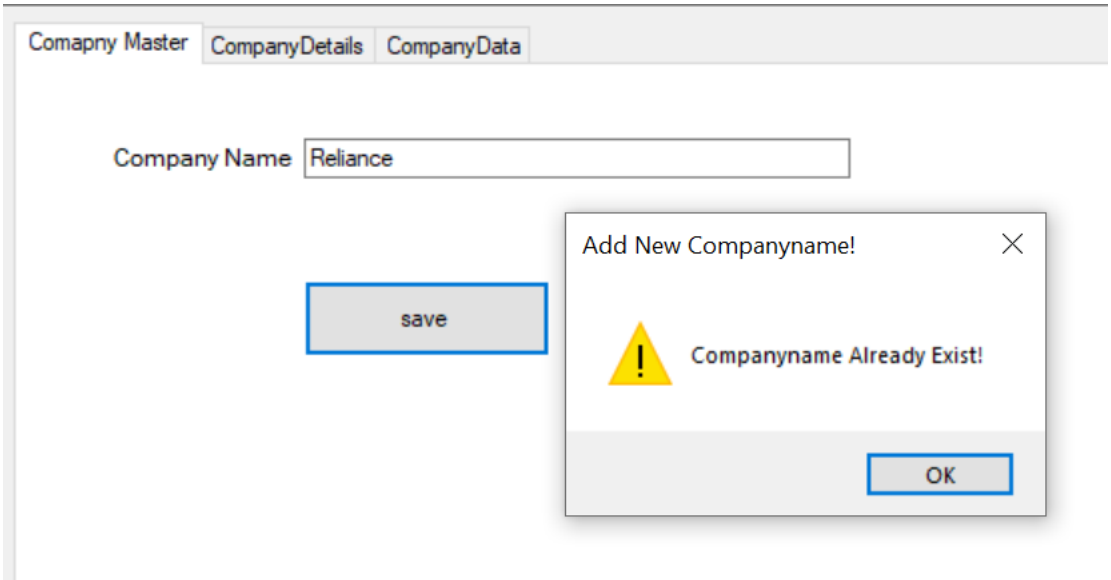
Company Master



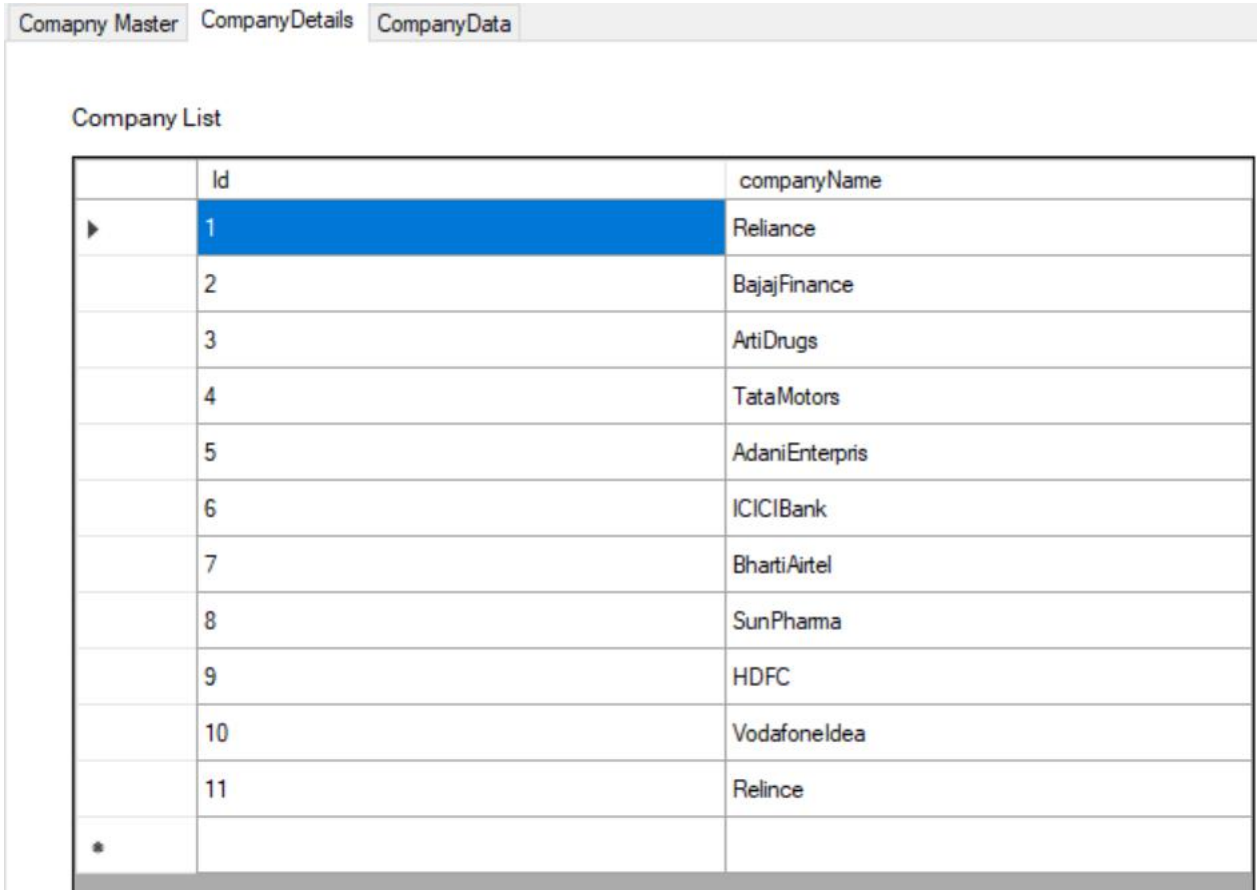
This is the page on which we can Add the different companies

If we add same company twise then error will occure

E.g



Company Details



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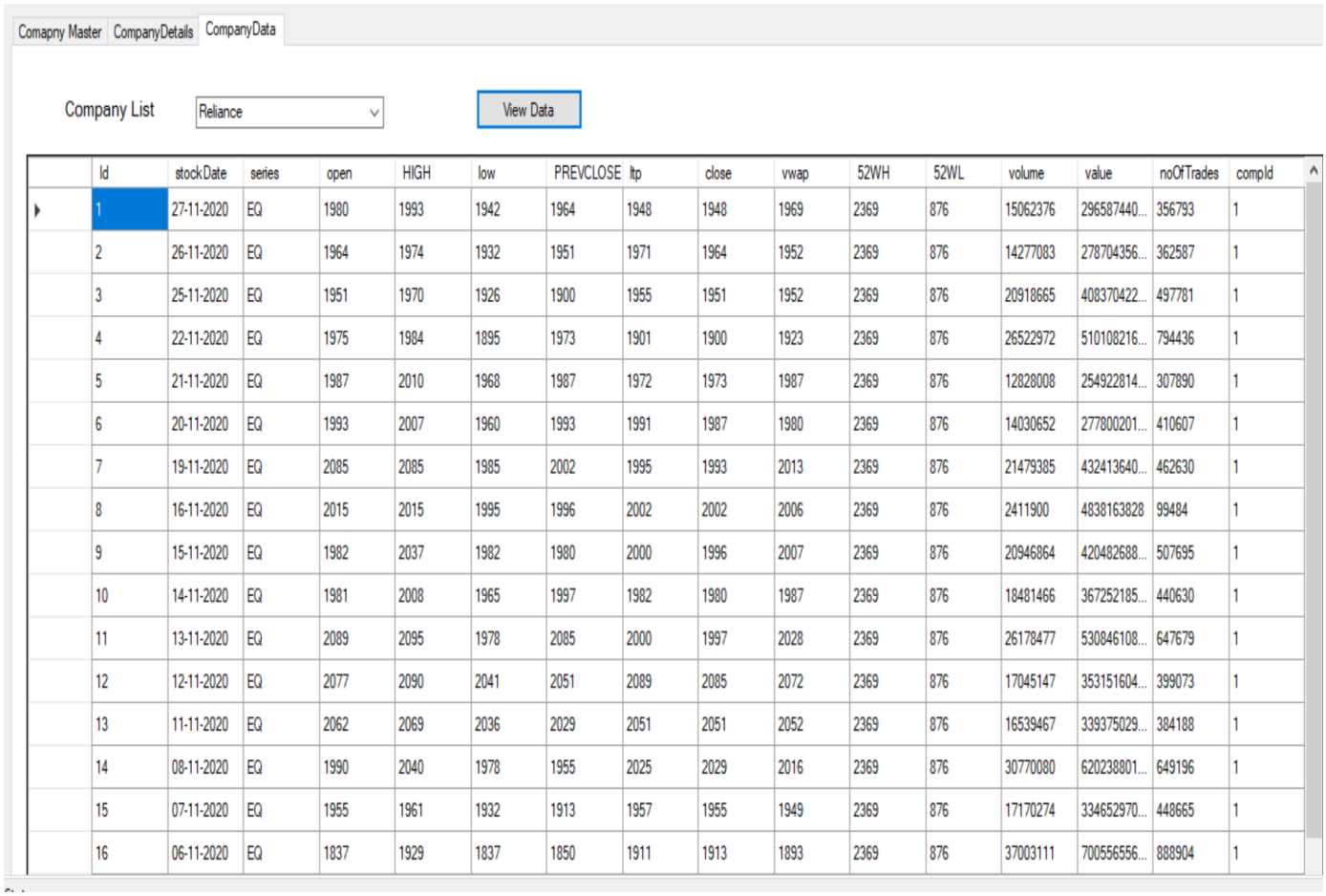
▶	1	Reliance
	2	BajajFinance
	3	ArtiDrugs
	4	TataMotors
	5	AdaniEnterpris
	6	ICICIBank
	7	BhartiAirtel
	8	SunPharma
	9	HDFC
	10	VodafoneIdea
	11	Relince
*		

Whatever the Company names we have added in Company Master that will Appear on this page.

Company Data



Id	stockDate	series	open	HIGH	low	PREVCLOSE	ltp	close	vwap	52WH	52WL	volume	value	noOfTrades	compId
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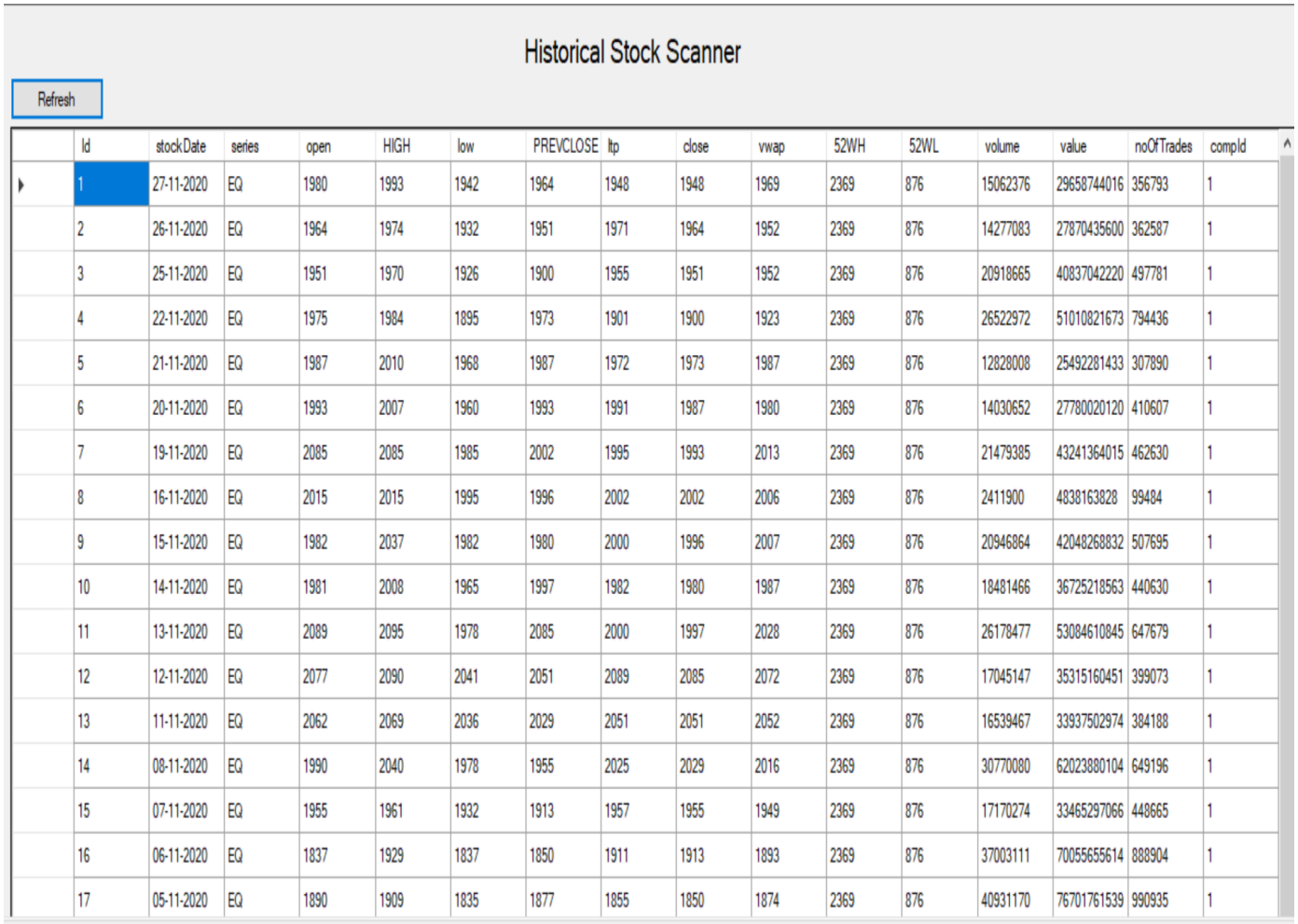
2	26-11-2020	EQ	1964	1974	1932	1951	1971	1964	1952	2369	876	14277083	278704356...	362587	1
3	25-11-2020	EQ	1951	1970	1926	1900	1955	1951	1952	2369	876	20918665	408370422...	497781	1
4	22-11-2020	EQ	1975	1984	1895	1973	1901	1900	1923	2369	876	26522972	510108216...	794436	1
5	21-11-2020	EQ	1987	2010	1968	1987	1972	1973	1987	2369	876	12828008	254922814...	307890	1
6	20-11-2020	EQ	1993	2007	1960	1993	1991	1987	1980	2369	876	14030652	277800201...	410607	1
7	19-11-2020	EQ	2085	2085	1985	2002	1995	1993	2013	2369	876	21479385	432413640...	462630	1
8	16-11-2020	EQ	2015	2015	1995	1996	2002	2002	2006	2369	876	2411900	4838163828	99484	1
9	15-11-2020	EQ	1982	2037	1982	1980	2000	1996	2007	2369	876	20946864	420482688...	507695	1
10	14-11-2020	EQ	1981	2008	1965	1997	1982	1980	1987	2369	876	18481466	367252185...	440630	1
11	13-11-2020	EQ	2089	2095	1978	2085	2000	1997	2028	2369	876	26178477	530846108...	647679	1
12	12-11-2020	EQ	2077	2090	2041	2051	2089	2085	2072	2369	876	17045147	353151604...	399073	1
13	11-11-2020	EQ	2062	2069	2036	2029	2051	2051	2052	2369	876	16539467	339375029...	384188	1
14	08-11-2020	EQ	1990	2040	1978	1955	2025	2029	2016	2369	876	30770080	620238801...	649196	1
15	07-11-2020	EQ	1955	1961	1932	1913	1957	1955	1949	2369	876	17170274	334652970...	448665	1
16	06-11-2020	EQ	1837	1929	1837	1850	1911	1913	1893	2369	876	37003111	700556556...	888904	1

We can Achieve Company Share stocks data by selecting Appropriate Company name from this page .

Historical Stock Scanner



Id	stockDate	series	open	HIGH	low	PREVCLOSE	ltp	close	vwap	52WH	52WL	volume	value	noOfTrades	compId
1	27-11-2020	EQ	1980	1993	1942	1964	1948	1948	1969	2369	876	15062376	29658744016	356793	1
2	26-11-2020	EQ	1964	1974	1932	1951	1971	1964	1952	2369	876	14277083	27870435600	362587	1
3	25-11-2020	EQ	1951	1970	1926	1900	1955	1951	1952	2369	876	20918665	40837042220	497781	1
4	22-11-2020	EQ	1975	1984	1895	1973	1901	1900	1923	2369	876	26522972	51010821673	794436	1
5	21-11-2020	EQ	1987	2010	1968	1987	1972	1973	1987	2369	876	12828008	25492281433	307890	1
6	20-11-2020	EQ	1993	2007	1960	1993	1991	1987	1980	2369	876	14030652	27780020120	410607	1
7	19-11-2020	EQ	2085	2085	1985	2002	1995	1993	2013	2369	876	21479385	43241364015	462630	1
8	16-11-2020	EQ	2015	2015	1995	1996	2002	2002	2006	2369	876	2411900	4838163828	99484	1
9	15-11-2020	EQ	1982	2037	1982	1980	2000	1996	2007	2369	876	20946864	42048268832	507695	1
10	14-11-2020	EQ	1981	2008	1965	1997	1982	1980	1987	2369	876	18481466	36725218563	440630	1
11	13-11-2020	EQ	2089	2095	1978	2085	2000	1997	2028	2369	876	26178477	53084610845	647679	1
12	12-11-2020	EQ	2077	2090	2041	2051	2089	2085	2072	2369	876	17045147	35315160451	399073	1
13	11-11-2020	EQ	2062	2069	2036	2029	2051	2051	2052	2369	876	16539467	33937502974	384188	1
14	08-11-2020	EQ	1990	2040	1978	1955	2025	2029	2016	2369	876	30770080	62023880104	649196	1
15	07-11-2020	EQ	1955	1961	1932	1913	1957	1955	1949	2369	876	17170274	33465297066	448665	1
16	06-11-2020	EQ	1837	1929	1837	1850	1911	1913	1893	2369	876	37003111	70055655614	888904	1
17	05-11-2020	EQ	1890	1909	1835	1877	1855	1850	1874	2369	876	40931170	76701761539	990935	1

Here we get All the company share Stock data Combinedly on a single page .whatever the companies we have Added their data will display here According to their Company ID.

Nifty 50[Open=low]

Nifty50[Open=Low]

	Company Name	Open	High	Low	C.M.P
▶	Bajaj Finance Limited	4805	4868	4805	4847.7
	KOTAK MAHINDRA BANK LTD	1893.5	1918.4	1893.5	1916.5
	OIL And NATURAL GAS CORPORATION LTD	92.6	99.95	92.6	99.8
	STATE BANK Of INDIA	270.05	276.25	270.05	273.95
*					

Nifty 50[Open=high]

Nifty50[Open=high]

	Company Name	Open	High	Low	C.M.P
▶	BHARTI AIRTEL LTD	508.5	508.5	502.2	502.85
*					

Nifty 50[C.M.P>High(Prv)]

Nifty50[C.M.P>High(prv)]

Company Name	C.M.P	Prv.Open	Prv.High	Prv.Low
BHARAT PETROLEUM CORPORATION LTD	405	395.1	401.5	387.1
COAL INDIA LTD	138.85	135.2	135.45	132.8
GAIL (INDIA) LTD	126.9	122.75	123.45	119.35
HINDUSTAN UNILEVER LTD	2367.452290	2357.9	2275.05	
INDIAN OIL CORPORATION LTD	95.65	93.9	93.9	91.15
INDUSIND BANK LTD	930.15	917.95	927	905
ITC LTD	216.1	206.65	213.65	203.15
KOTAK MAHINDRA BANK LTD	1920.5	1900	1919.9	1859.85
LARSEN & TOUBRO LTD	1194.25	1182	1193.75	1170.05
NTPC LTD	100.8	98.4	99.35	96.5
OIL AND NATURAL GAS CORPORATION LTD	99.4	91	92.2	88.7
RELIANCE INDUSTRIES LTD	2030.05	2021.6	2028.5	2001
STATE BANK OF INDIA	272.35	269	271	265.55
TATA STEEL LTD	621.7	606	614	593.5

Nifty 50[C.M.P<low(Prv)]

Nifty50[C.M.P<Low(prv)]

	Company Name	C.M.P	Prv.Open	Prv.High	Prv.Low
▶	EICHER MOTORS LTD	2472.5	2558	2558	2487.1
	SHREE CEMENT LTD	23685	24420.7	24499.9	23687.4
*					

Nifty 50[C.M.P>High(15min)]

Nifty50[C.M.P>High(15min)]

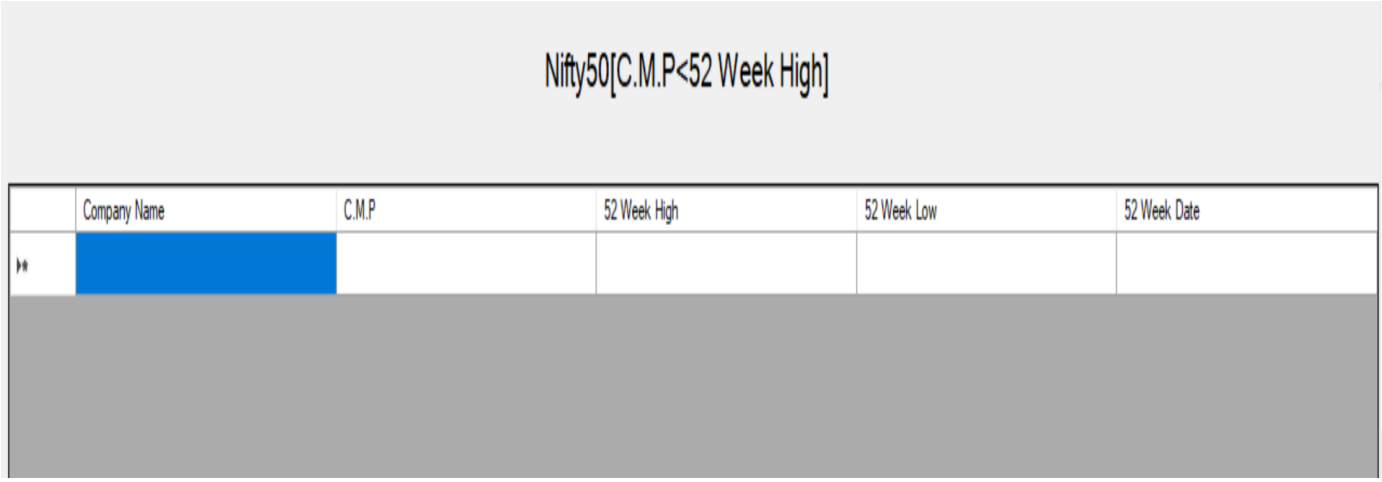
	Company Name	C.M.P	15 Min High	15 Min Low
▸	COAL INDIA LTD	139.65	136.5	134.5
	GAIL (INDIA) LTD	127.05	124.5	120.05
	HCL TECHNOLOGIES LTD	875.55	871.8	865.5
	ICICI BANK LTD	511.65	511.35	507
	INDUSIND BANK LTD	927.35	925.75	915.1
	INFOSYS LTD	1168.7	1164	1155.25
	ITC LTD215.6	215.55	213.5	
	KOTAK MAHINDRA BANK LTD	1918.45	1915.2	1893.5
	LARSEN & TOUBRO LTD	1204.35	1199	1185.1
	NTPC LTD	101.35	99.65	97.65
	RELIANCE INDUSTRIES LTD	2029.25	2024.9	2011.3
	TATA MOTORS LTD	180.7	179.65	176.65
	TATA STEEL LTD	620.9	620.8	614.25
*				

Nifty 50[C.M.P<low(15min)]

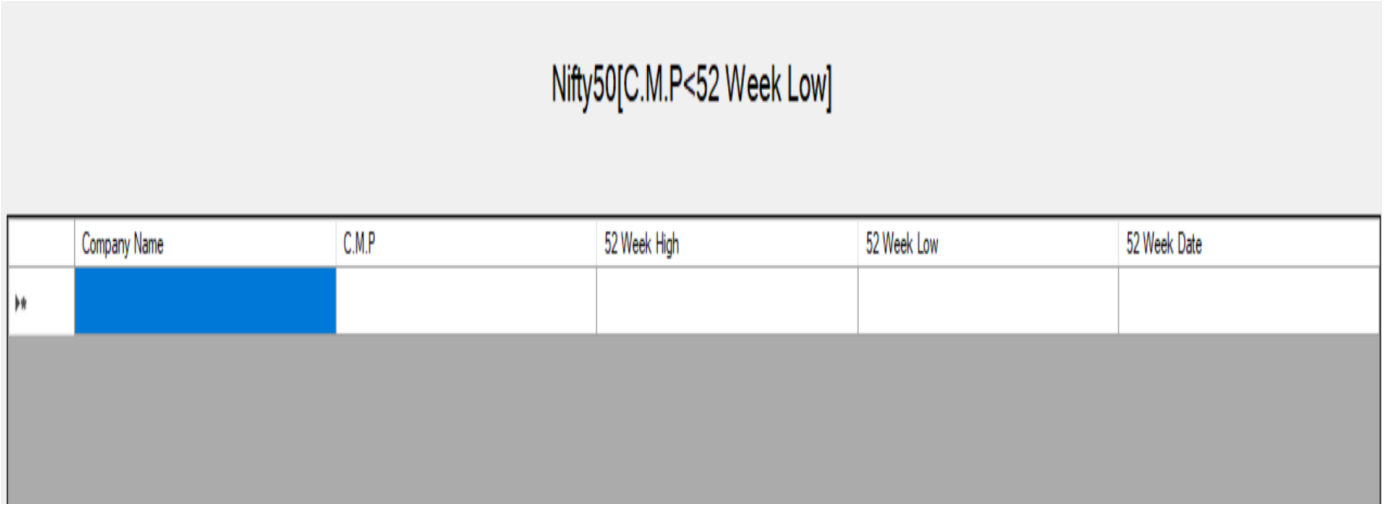
Nifty50[C.M.P<Low(15min)]

	Company Name	C.M.P	15 Min High	15 Min Low
▶	ASIAN PAINTS LTD	2510.5	2536.9	2512.6
	AXIS BANK LTD	623.25	628.35	623.55
	BHARTI AIRTEL LTD	503.8	508.5	504.6
	BRITANNIA INDUSTRIES LTD	3717.45	3777	3727.75
	DR.REDDY'S LABORATORIES LTD	5047.8	5084.05	5055.1
	EICHER MOTORS LTD	2476.2	2507.95	2477.15
	HDFC Bank Ltd	1376.55	1395	1385.4
	MAHINDRA & MAHINDRA LTD	736.55	744.4	738.15
*				

Nifty 50[C.M.P<52 week High]



Nifty 50[C.M.P<52 week Low]



THANK

YOU