A Project Report On

Apna Stock

The Report Submitted To

SAURASHTRA UNIVERSITY

Submitted In Partial Fulfilment of The Requirement
For The Award of The Degree

Academic Year 2022-2023

BACHELOR OF COMPUTER APPLICATION

Semester – 6th

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Int. Project Guidance: - Prof. Meera Barai

From: -

23073 - N. P. VEKARIA EDU. & CH. TRUST SANCH.
GRACE COLL. OF COMM., RAJKOT

DECLARATION

We hereby declare this Dissertation work entitled **“ Stock Market ”** is our original work and further confirm that:

- This work has been composed by us with the assistance of our supervisor.
- We have clearly referenced in accordance with the university requirements, in the text and the bibliography or references, all sources (either from a printed source, internet or any other source) used in the work.
- All data and findings in the work have not been falsified or embellished. This work has been previously or concurrently used either for other courses or within other exam process as an exam work.
- This work has not been published.

We understand that our false claim in respect of this work will result in disciplinary action in accordance with university regulations.

We confirm and agree that our work may be electronically checked for plagiarism by the use of plagiarism detection software and stored on a third party’s server for eventual future comparison.

Signature	**Signature**
Dishant J. Ginoya	Darshan K. Malli
003203202616	00320321577

ACKNOWLEDGEMENT

This is become a reality with the kind support and help of man individuals. We would like to extend our sincere thanks to all of them.

Foremost, we want to offer this endeavour to our God Almighty for the wisdom he bestowed upon us, the strength, peace of our mind and good health in order to finish this research.

We would like to express our special gratitude and thanks to our advisor, Mrs. Meera Barai for imparting her knowledge and expertise in this study.

We are highly indebted to Grace College for their guidance and constant supervision as well as for providing necessary information regarding this research and also for their support in completing this work.

We would like to express our gratitude towards our Family for the encouragement which helped us in completion of this work our thanks and appreciations also go to our colleague and people who have willingly helped us out with their abilities.

Finally, our deepest gratitude goes to parents who have given us mush needed comfort, support encouragement and inspiration for completing this project.

We would also like to thank all those people

Place : Rajkot

Date :

PREFACE

This document is meant for describing all the features and procedures that were followed while developing the system.

This document specially mentions the details of the project how it was developed, the primary requirement, as well as various features and functionalities of the project.

It is very useful for getting the information about website. This site helps in saving time and gives many features about website efficiently

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Abstract

This Stock Market is being generated for such purpose only to maintain all the work power of an institute in a single database server.

The main objective to develop the project is to make the Stock Market simple and to provide user-friendly access of this program to all the staff members and students of the Institute so that they can locate and reply the queries concerned to them.

This Software provides a user-friendly interface for the user and it reduces the data redundancy. Centralized information is available which can be accessed by number of users.

Stock markets are without any doubt, an integral and indispensable part of a country`s economy. But the impact of stock markets on the country`s economy can be different from how the other countries stock market on affect their economies.

In the Stock Market the option to buy a stock at a later time at some fixed price requires money. And after enough profit then sell the stock and given money.

If the user wants to update his/her any details later on the we need to search that register, find specific record and then we can edit that. As all the data is stored as a physical record so it is very difficult and time taking process to search any specific record.

It requires too much time and there is also a big chance of error. Similarly in library there were hundreds of books. There also all the data was being stored manually. It requires a large number of paper files.

Project Profile

Project Name	: Stock Market
Platform	: Windows 11
Front - End	: Python (Flask), HTML, CSS, JSON
Back - End	: Python
Web Server	: MySQL
Web Browser	: Google Chrome
Doc. Tool	: Microsoft word 2021
Editor	: PyCharm, VS Code
Guided by	: Prof. Meera Barai
Submitted by	: Grace College
Time Duration	: 3 Month

Requirement

✓ Software Requirement : -

- **OS** : Windows 11
- **Web Server** : Xampp
- **Browser** : Google Chrome
- **Editor** : PyCharm, VS Code

✓ Hardware Requirement : -

- **Processor** : AMD Ryzen(R)
- **RAM** : 8 GB
- **System OS** : 64 Bit

Flow Chart

- **Terminal** : -

A Terminal to represent start and end of flowchart.

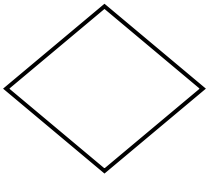
- **Process : -**

A processing used for arithmetic operations and data manipulations.

- **Input/Output : -**

A Input and output used for input output operation

- **Decision : -**

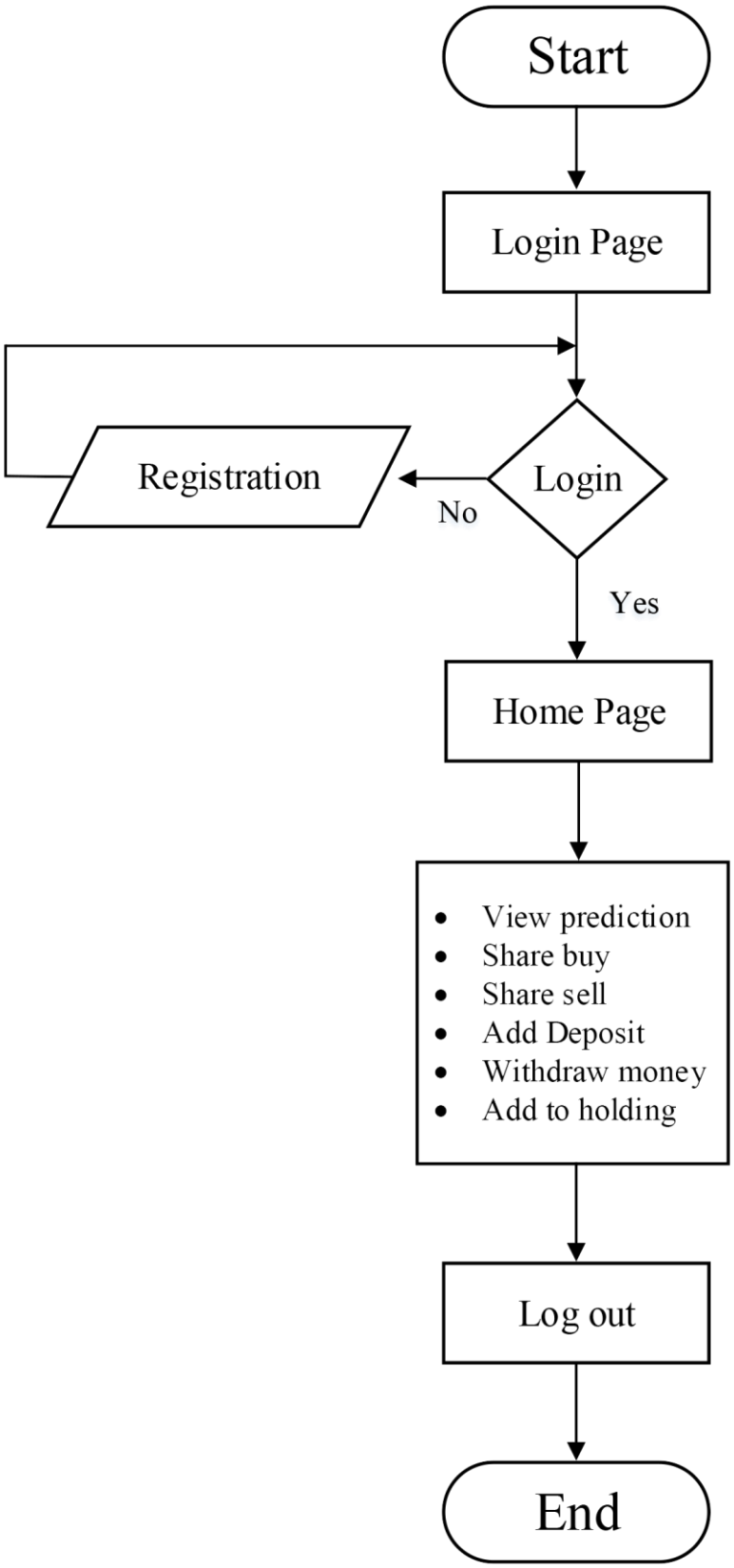


A Decision to represent the operation in a which operation in which three alternatives true and false etc.

- **Flow Line : -**

A Flow line used to indicate the flow of logic by connecting symbols.

A flowchart is a type of diagram that represents a workflow or process. A flowchart can also be defined as a diagrammatic representation of an algorithm, a step-by-step approach to solving a task.

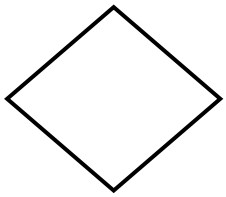

Start
Login Page
Login
No
Registration
Yes
Home Page
View prediction
Share buy
Share sell
Add Deposit
Withdraw money
Add to holding
Log out
End

E-R Diagram

- **Entity Set :-**

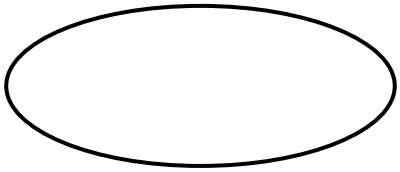
A rectangle to denote an entity set.

- **Relationship : -**



A diamond to denote a relationship between two entity.

- **Attributes :-**

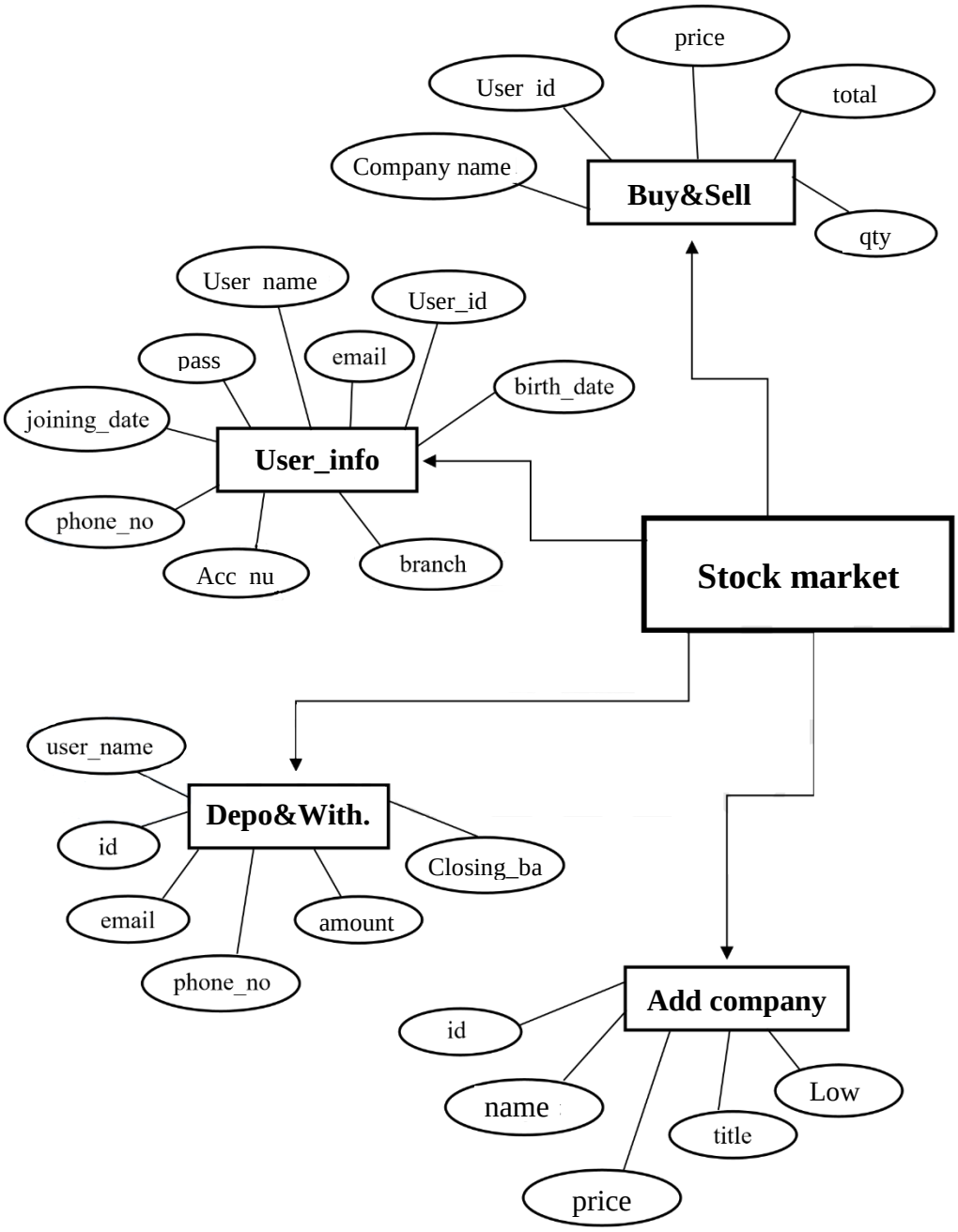


An oval to denote attribute.

- **Links :-**

A line which links attributes to an entity or entity set and entity sets to relationships.

When an E-R diagram is built. The first step is defining entities. The next step is defining the relationship between the entities. The final step to identify the attributes that belong to each entity. Once the E-R diagram is completed.


price
User_id
total
Company name
Buy&Sell
qty
User_name
User_id
pass
email
birth_date
joining_date
User_info
phone_no
Acc_nu
branch
Stock market
user_name
Depo&With.
id
Closing_ba
email
amount
phone_no
Add company
id
name
Low
title
price

Data Flow Diagram

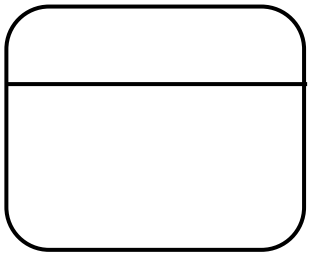
- **External entity : -**

It represented external entities with which system communicate.

- **Data store : -**

It is used to model a collection of data packets at rest.

- **Process : -**



A process is represented graphically as a circle rectangle with rounded edge.

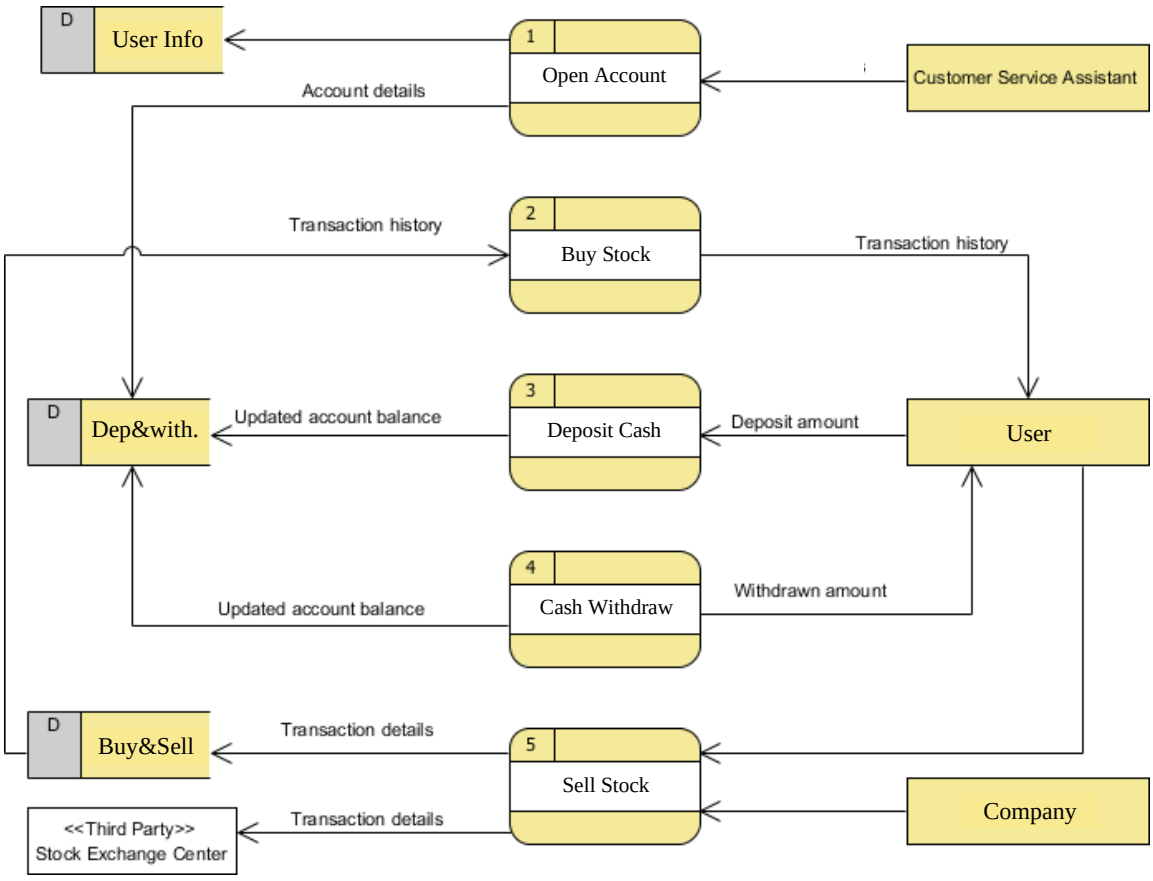
- **Data Flow : -**

It is used to describe the more event of data or physical material from one part of the system to another part.

A data-flow diagram is a way of representing a flow of data through a process or a system. The DFD also provides information about the outputs and inputs of each entity and the process itself. A data-flow diagram has no control flow there are no decision rules and no loops.

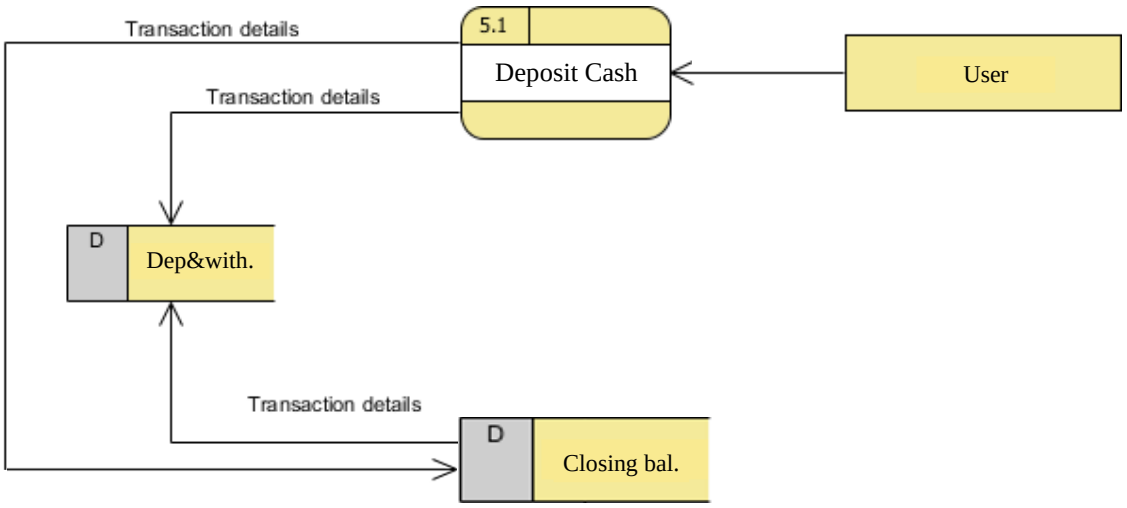
1. DFD – Context Level Diagram :-

2. DFD – 0 Level for User :-

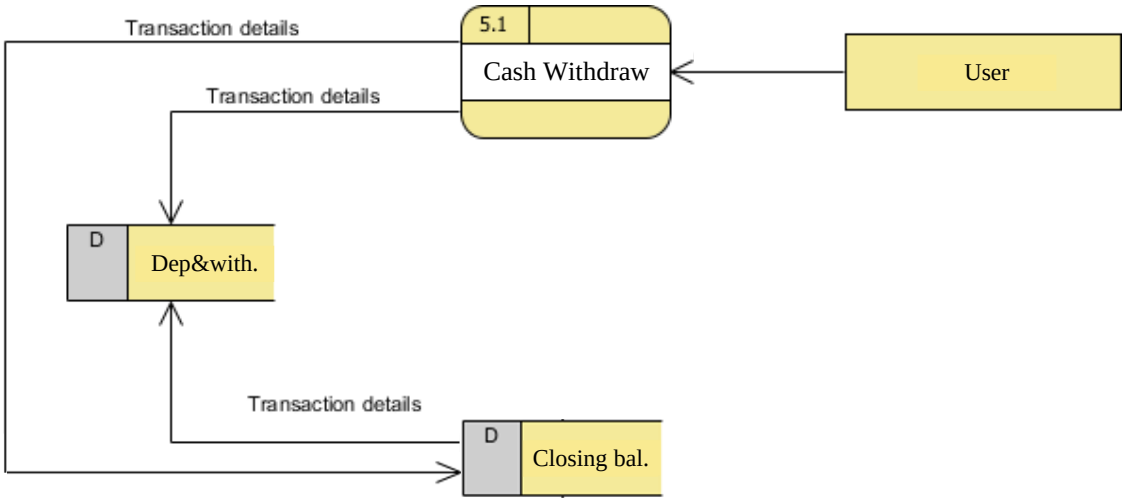


3. DFD – 1 Level for User : -

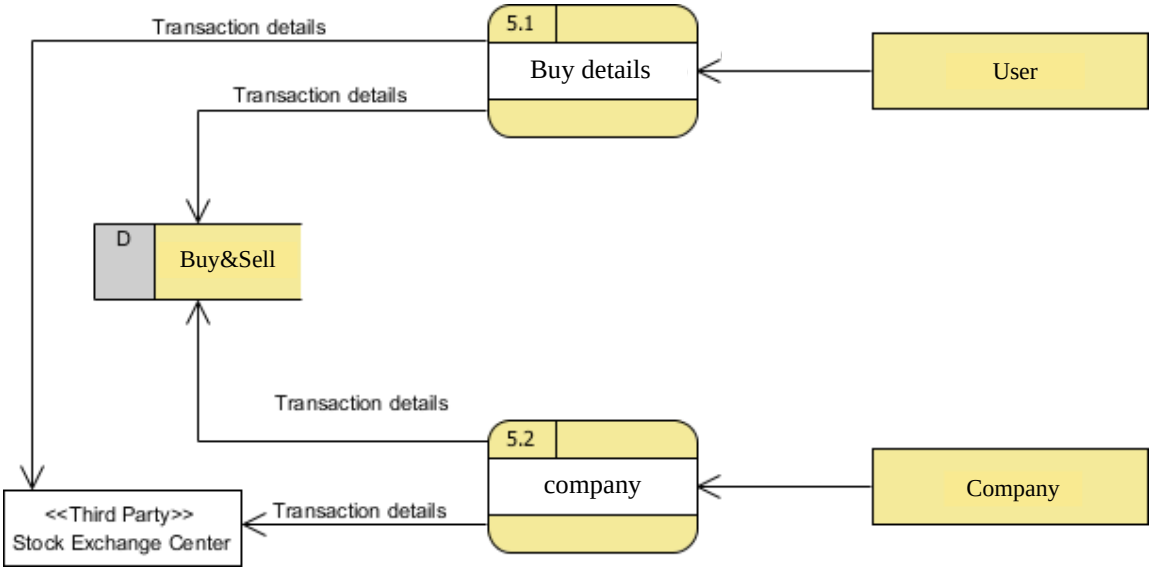
I. Add Deposit :-



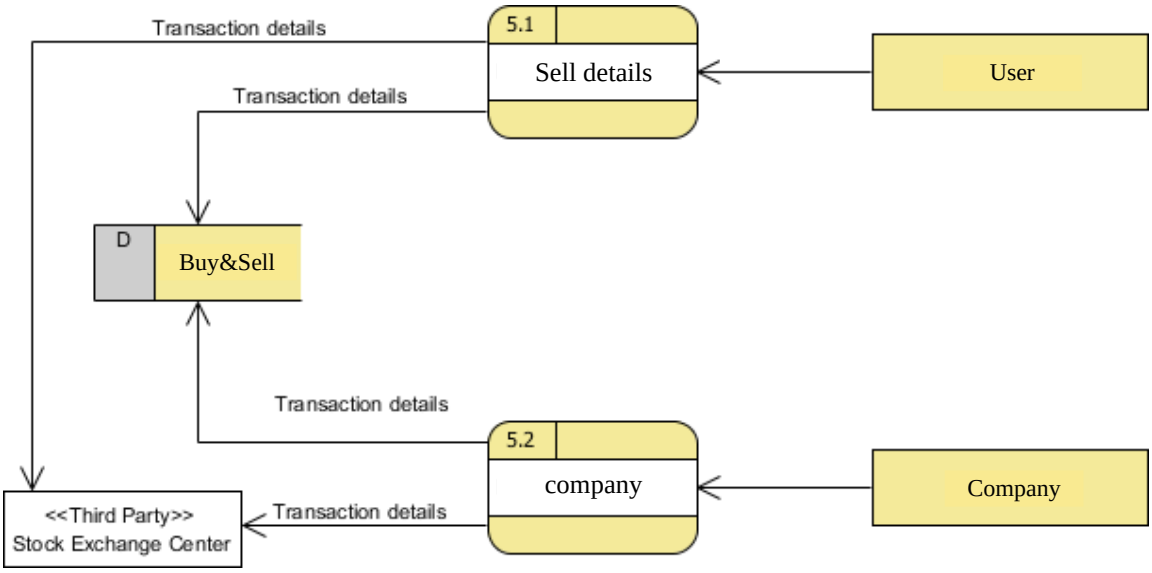
II. Withdraw Cash: -



III. Buy Stock: -

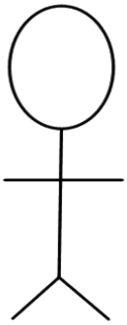


IV. Sell Stock : -



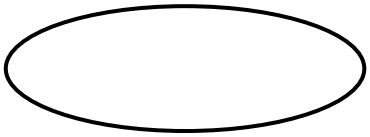
Use Case Diagram

- **Actor : -**



It is a stick persons which represent the various types of users of the system.

- **Use Case : -**



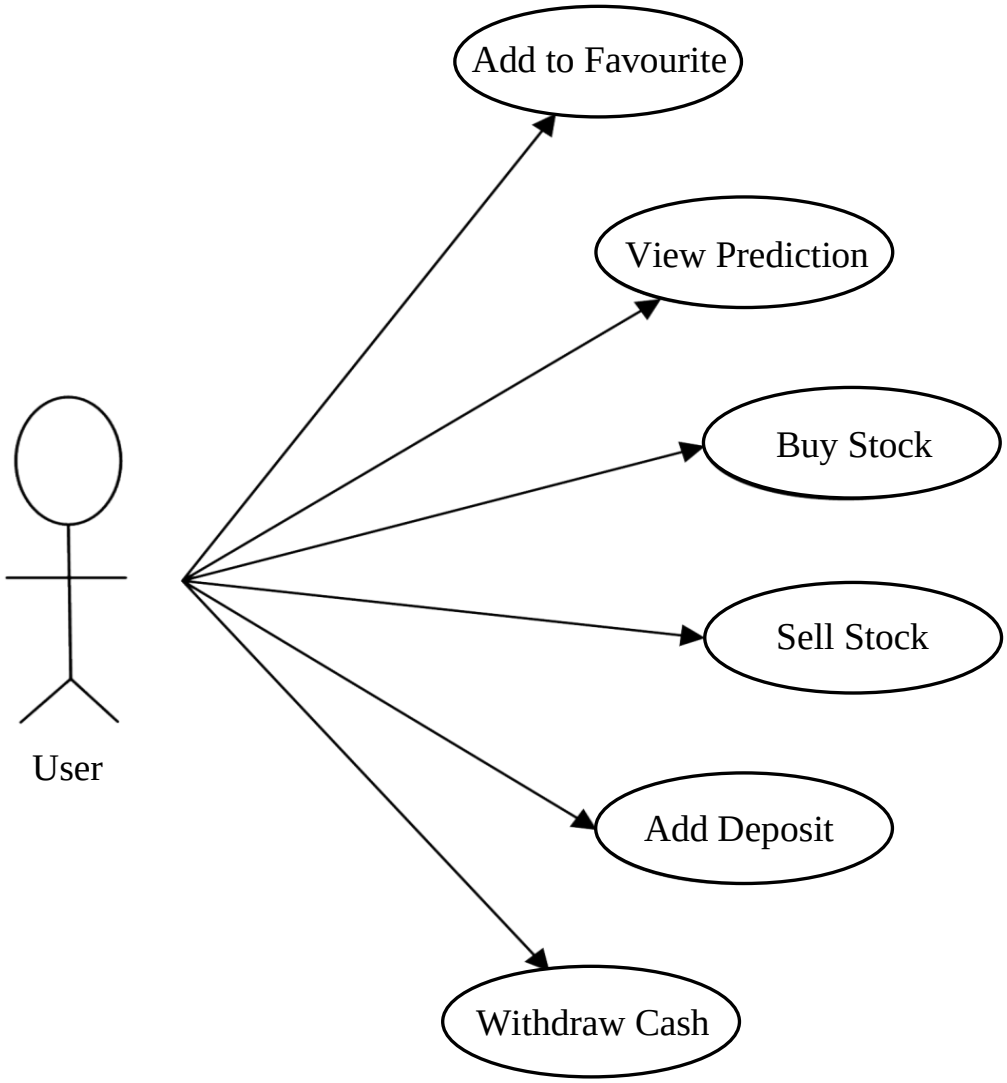
An oval to represents the various functionality of the system.

- **Generalization : -**

Communication between actors and use cases that patriciate in use cases has interaction with actors.

A use case diagram is a graphical depiction of a user's possible interactions with a system. A use case diagram shows various use cases and different types of users the system has and will often be accompanied by other types of diagrams as well. The use cases are represented by either circles or ellipses.

1. **Use Case for user : -**



Data Dictionary

✓ **Data Base Name :**

Stock_market

Table No.	Table Name
1	add_company
2	buy&sell
3	closing_balance
4	company
5	deposit&withdraw
6	user_info

1. add_company : -

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	**id**	int(11)			No	*None*		AUTO_INCREMENT
2	**user_id**	varchar(10)	utf8mb4_general_ci		No	*None*		
3	**company_name**	varchar(15)	utf8mb4_general_ci		No	*None*		
4	**open**	float			No	*None*		
5	**high**	float			No	*None*		
6	**low**	float			No	*None*		
7	**close**	float			No	*None*		

2. buy&sell : -

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	**id**	int(11)			No	*None*		AUTO_INCREMENT
2	**user_id**	varchar(10)	utf8mb4_general_ci		No	*None*		
3	**company_name**	varchar(15)	utf8mb4_general_ci		No	*None*		
4	**buy&sell**	varchar(5)	utf8mb4_general_ci		No	*None*		
5	**qty**	int(11)			No	*None*		
6	**price**	float			No	*None*		
7	**total**	double			No	*None*		
8	**date&time**	timestamp			No	current_timestamp()		

3. deposit&withdraw : -

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	**id**	int(11)			No	*None*		AUTO_INCREMENT
2	**user_id**	varchar(10)	utf8mb4_general_ci		No	*None*		
3	**amount**	double			No	*None*		
4	**deposit&withdraw**	varchar(10)	utf8mb4_general_ci		No	*None*		
5	**card_number&upi_id**	varchar(20)	utf8mb4_general_ci		No	*None*		
6	**date&time**	datetime			No	current_timestamp()		

4. company : -

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	**id**	int(11)			No	*None*		AUTO_INCREMENT
2	**name**	varchar(10)	utf8_general_ci		Yes	*NULL*		
3	**open**	varchar(7)	utf8_general_ci		Yes	*NULL*		
4	**high**	varchar(7)	utf8_general_ci		Yes	*NULL*		
5	**low**	varchar(7)	utf8_general_ci		Yes	*NULL*		
6	**close**	varchar(7)	utf8_general_ci		Yes	*NULL*		

5. closing_balance: -

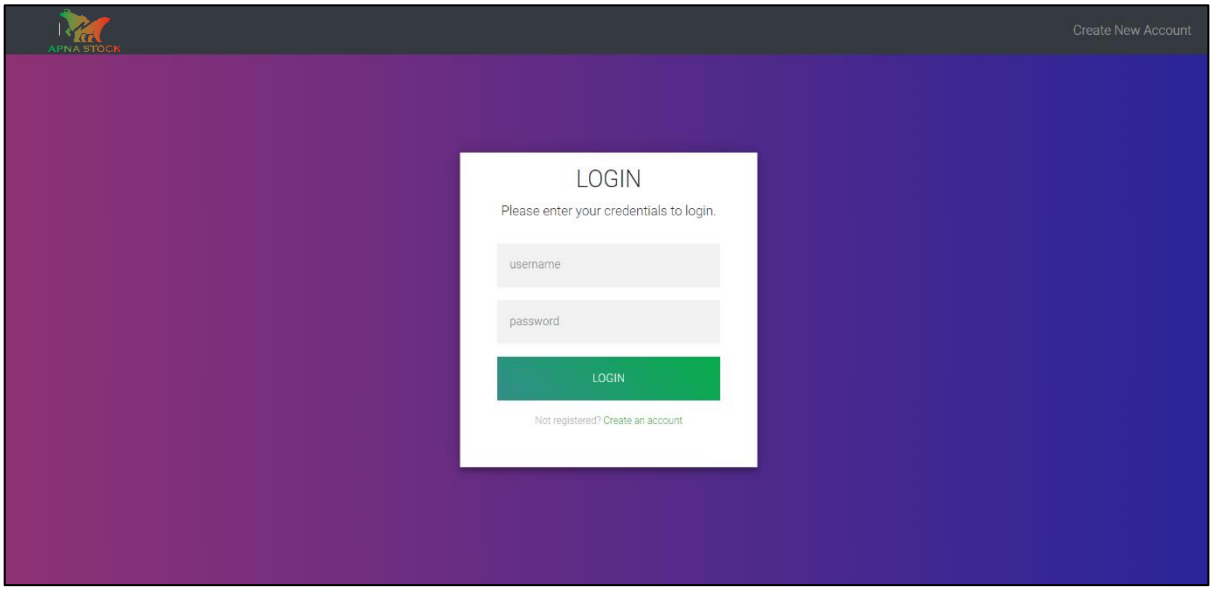
#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	id	int(11)			No	*None*		AUTO_INCREMENT
2	user_id	varchar(10)	utf8mb4_general_ci		No	*None*		
3	closing_balance	float			No	*None*		
4	date&time	datetime			No	current_timestamp()		

6. user_info : -

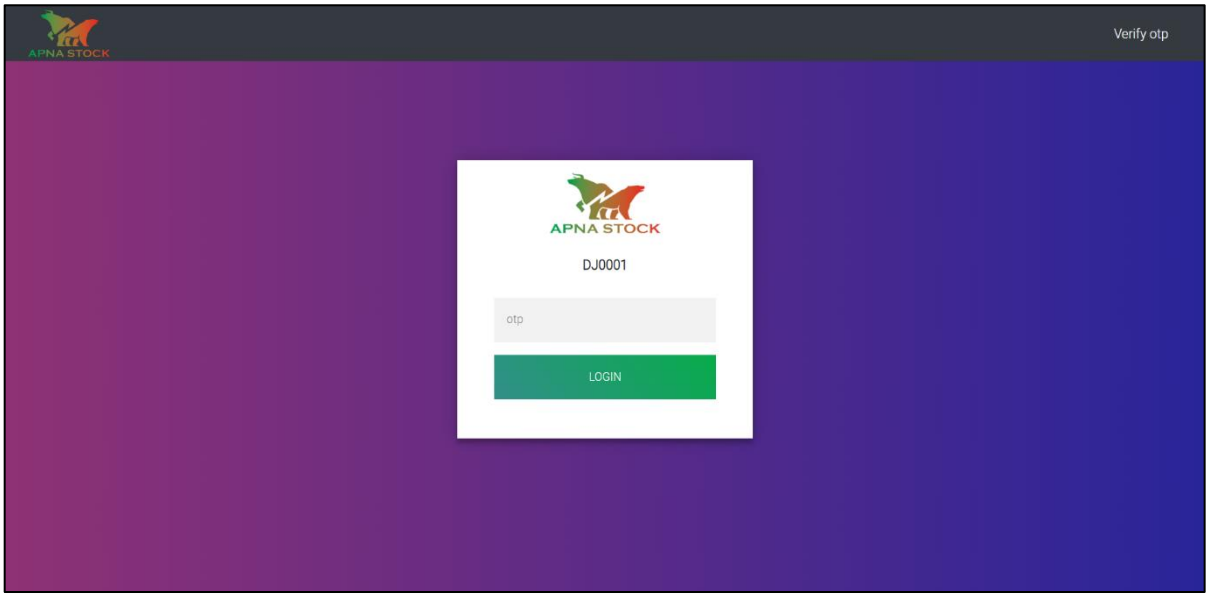
#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	id	int(11)			No	*None*		AUTO_INCREMENT
2	user_id	varchar(10)	utf8mb4_general_ci		No	*None*		
3	password	varchar(150)	utf8mb4_general_ci		No	*None*		
4	first_name	varchar(20)	utf8mb4_general_ci		No	*None*		
5	middle_name	varchar(20)	utf8mb4_general_ci		No	*None*		
6	last_name	varchar(20)	utf8mb4_general_ci		No	*None*		
7	email_add	varchar(50)	utf8mb4_general_ci		No	*None*		
8	phone_no	varchar(12)	utf8mb4_general_ci		No	*None*		
9	pan_card	varchar(11)	utf8mb4_general_ci		No	*None*		
10	bank_name	varchar(20)	utf8mb4_general_ci		No	*None*		
11	ifsc_code	varchar(20)	utf8mb4_general_ci		No	*None*		
12	account_number	varchar(20)	utf8mb4_general_ci		No	*None*		
13	demate_number	varchar(20)	utf8mb4_general_ci		No	*None*		
14	country	varchar(20)	utf8mb4_general_ci		No	*None*		
15	state	varchar(20)	utf8mb4_general_ci		No	*None*		
16	city	varchar(20)	utf8mb4_general_ci		No	*None*		

Screen Layout

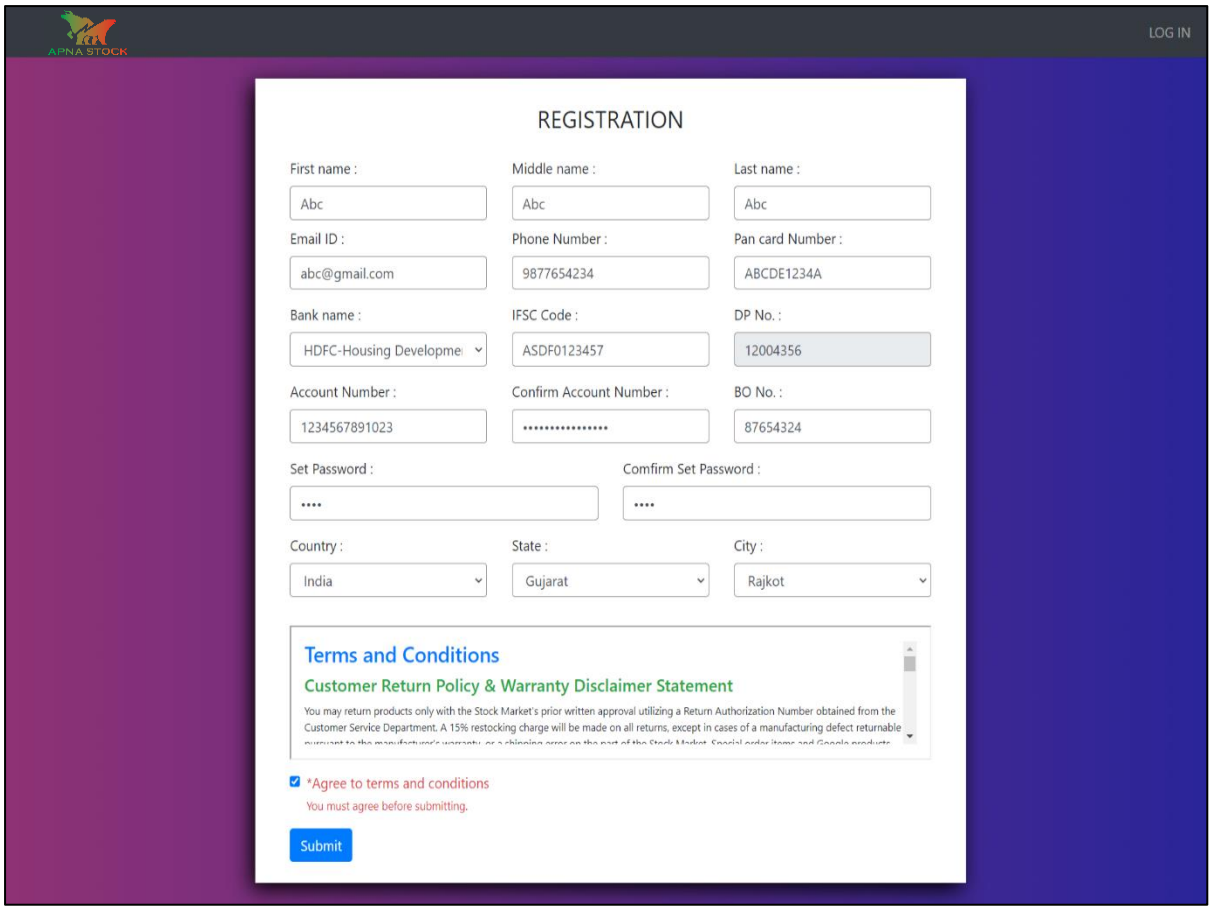
Login Page : -



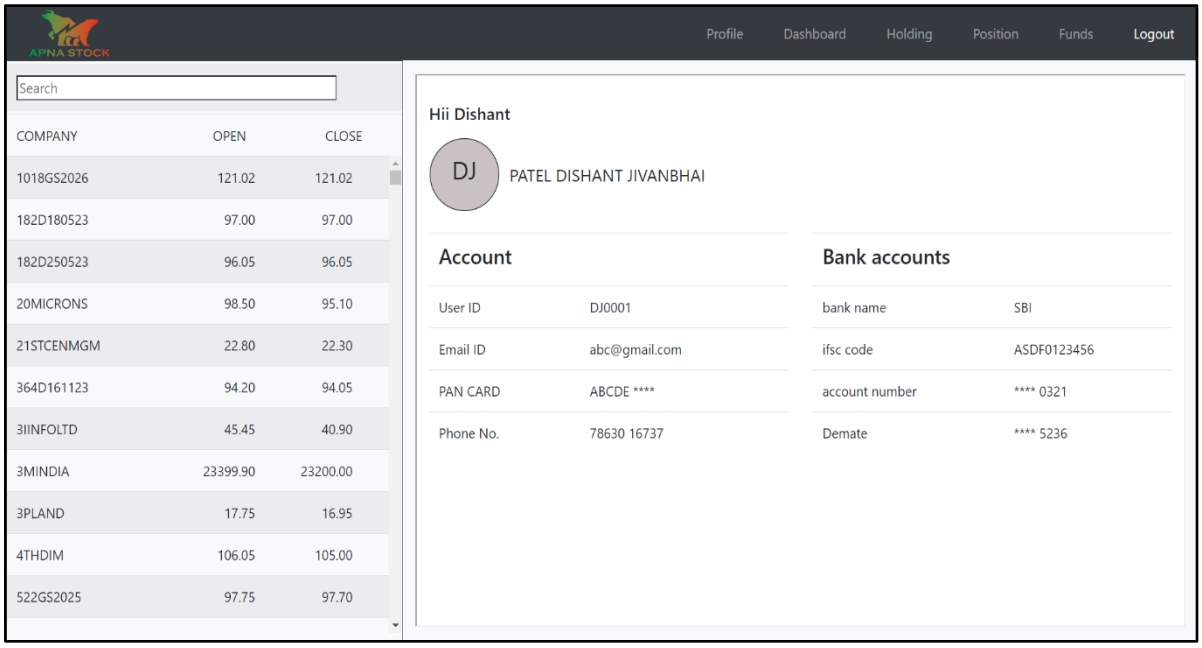
Verify OTP :-



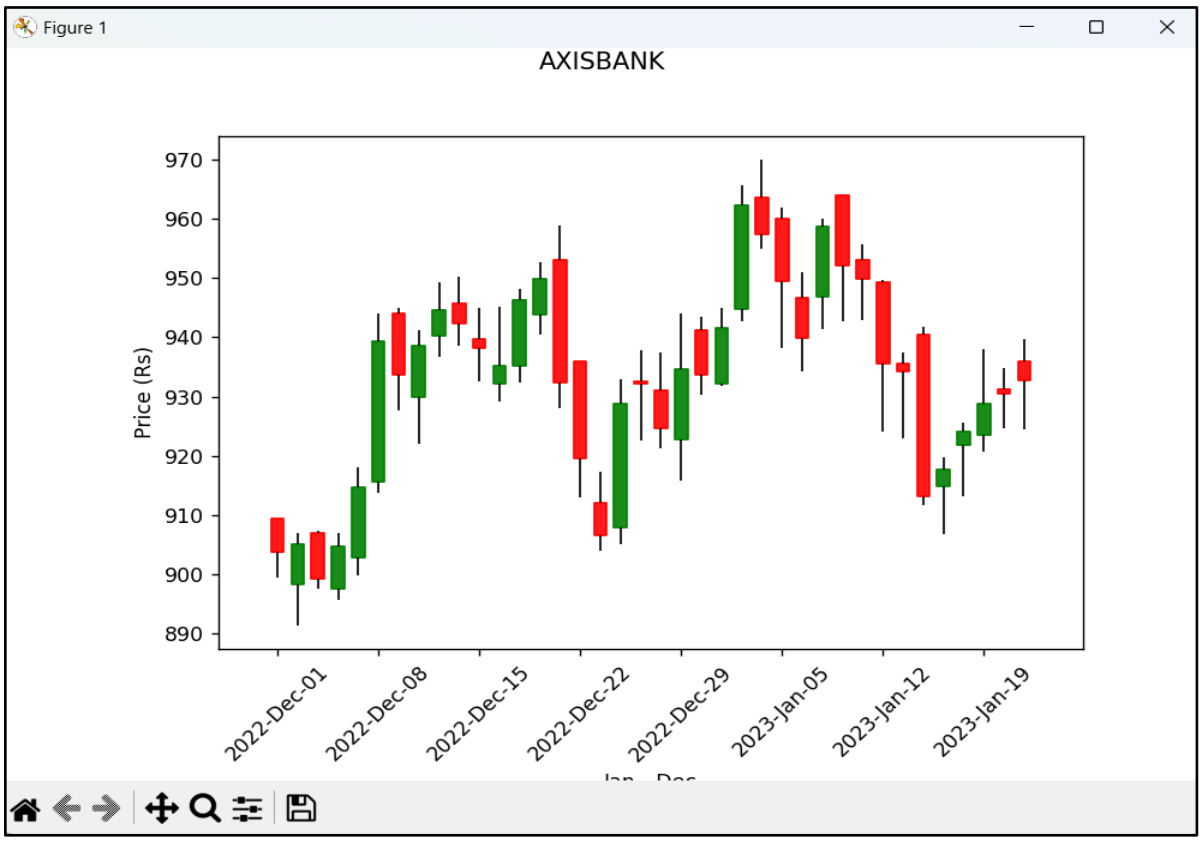
Registration Page :-



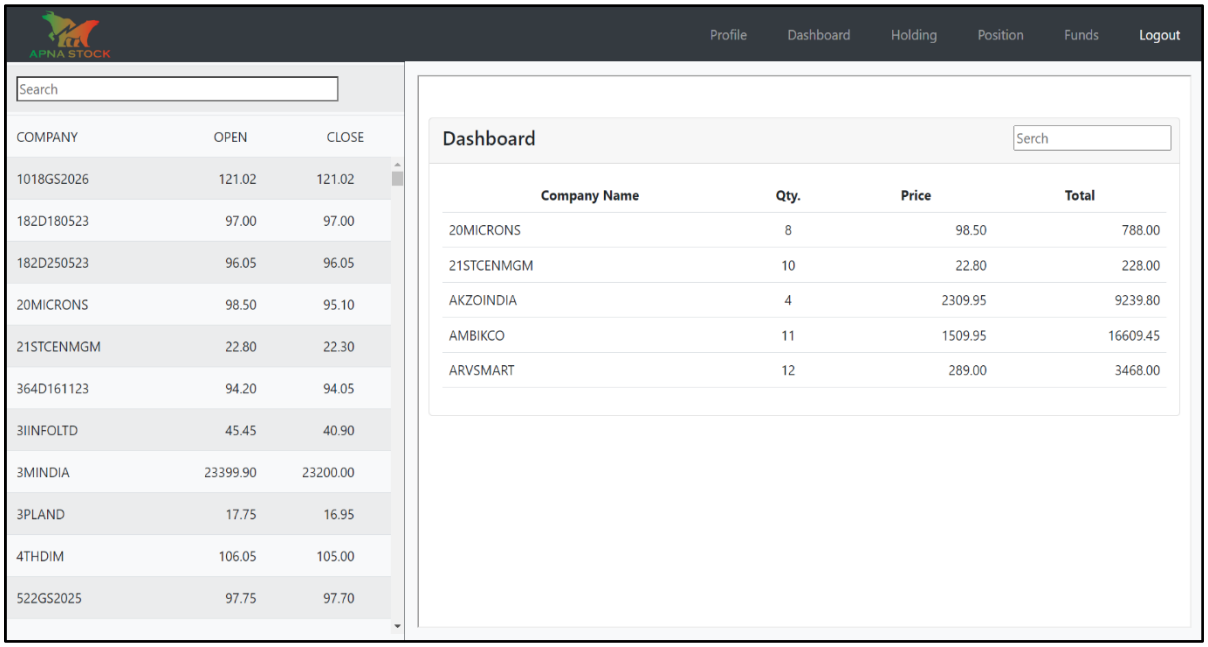
User Profile : -



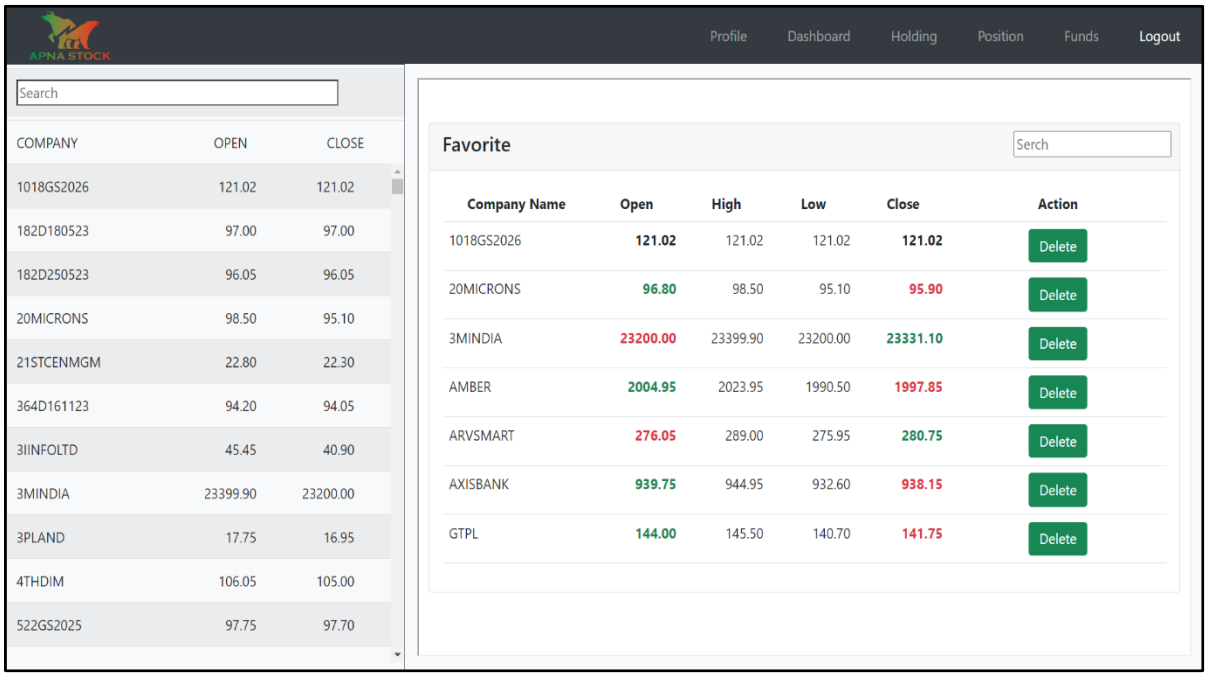
User View prediction : -



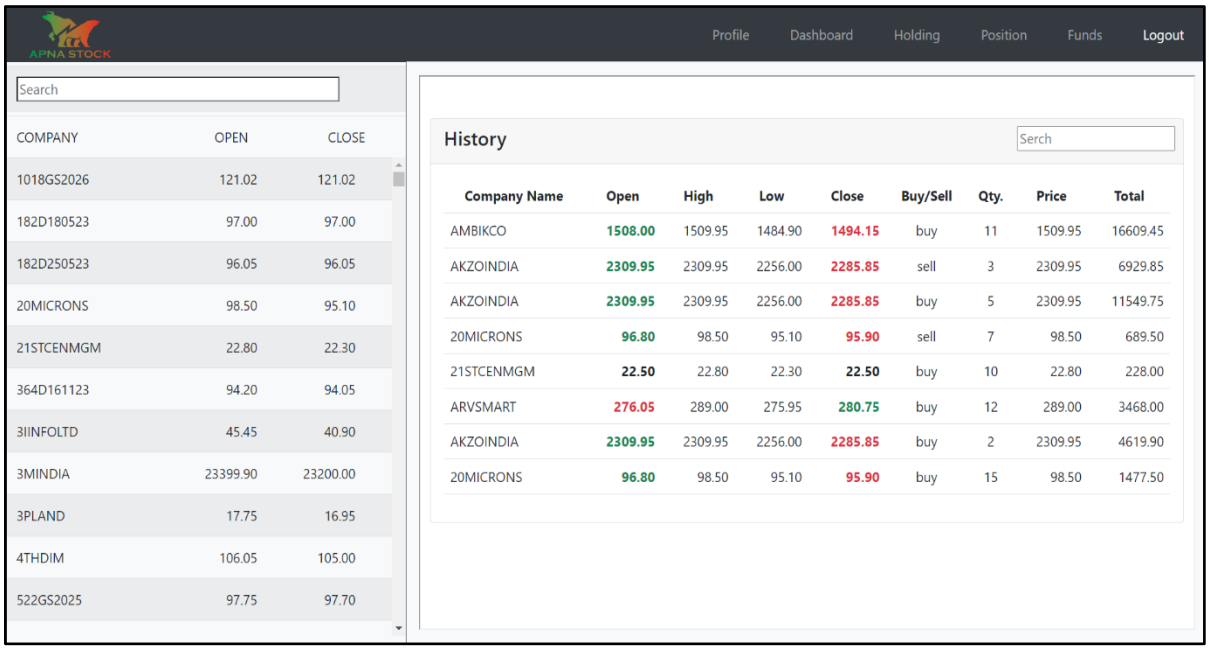
User Dashboard : -



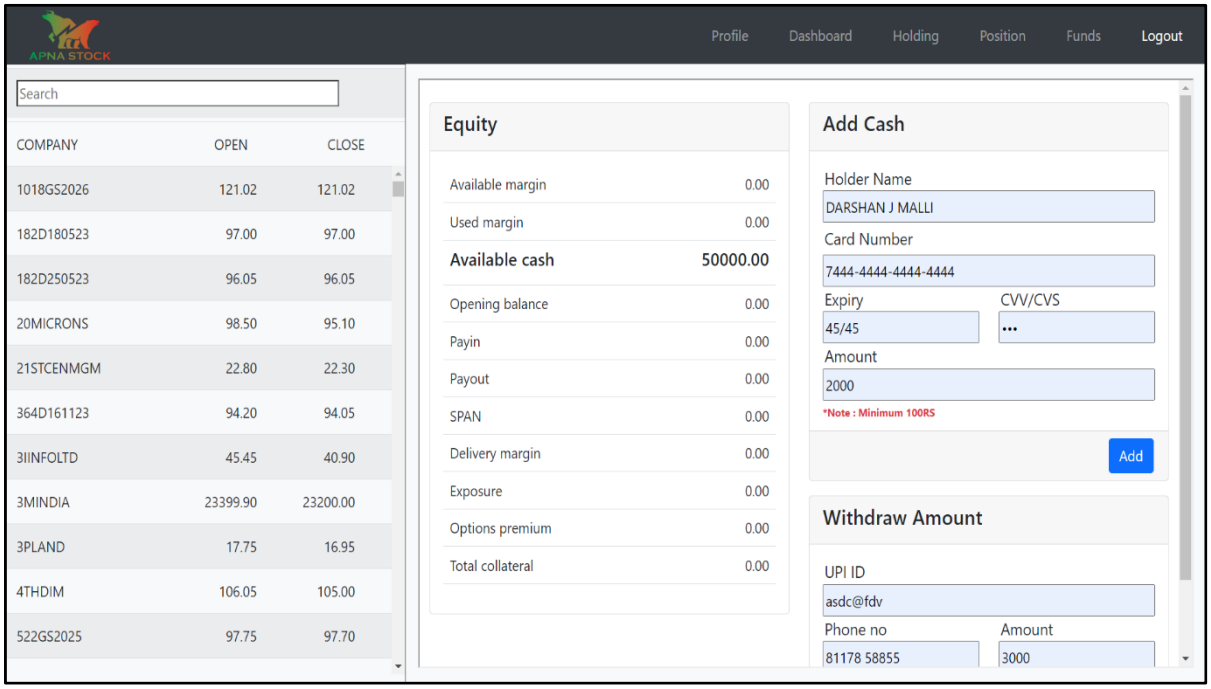
User Favourite lists :-



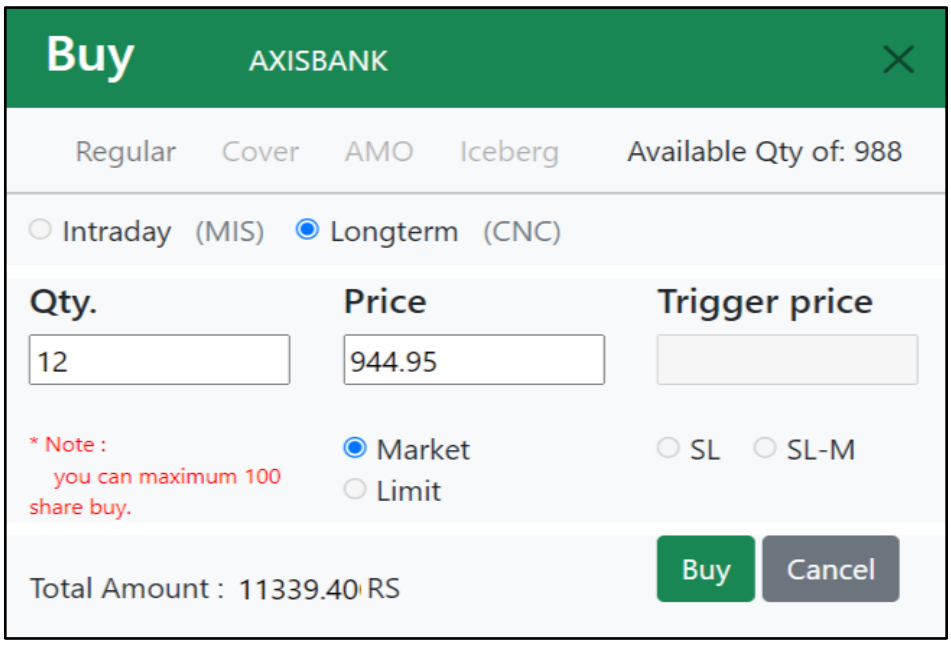
User Buy & Sell History : -



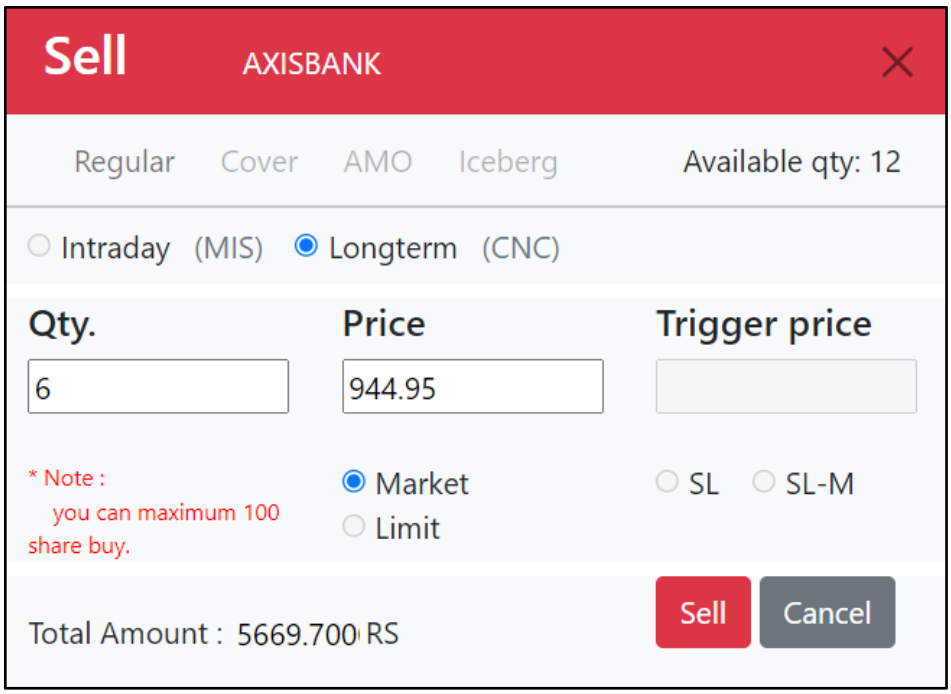
User Add & Withdraw Cash : -



User Buy a Stock : -



User Sell a Stock : -



Gantt Chart

No.	Deception	OCT		NOV			DEC			JAN
		19/10	21/10	1/11	11/11	21/11	1/12	11/12	1/1	15/1
1	**Requirement Gathering**									
2	**Analysis**									
3	**Designing**									
4	**Coding**									
5	**Testing**									
6	**Implementation**									
7	**Report**									

Work Experience

We take this opportunity to express my deepest gratitude and appreciation to all those people who made this project work easier with words of encouragement, motivation and helped us towards the successful completion of this project work.

Our project guided **Mrs. Meera Barai** provided a full support to us. They always helped us just like a friends and companion and not just as professional guide they provide the information required by us any time. They personally worked hard for our project.

Also the other faculty members related to the computer department never denied to help us. For instant the topic such as JavaScript and PHP which were not in our syllabus but were used in our project were taught to us by them any problem by us in our dream project was immediately sorted out by them. Also the institute has provided us the immense help by leap and bounds.

Last but not the least the overall experience of developing this project is as good as studying an entire new subject and fuelling up our knowledge banks.

Conclusion

With the permission from the **Saurashtra University**, to developed a system that would computerize the "**Stock Market for Apna Stock"**. Activities, the system analyst has been able to come to a successful end of the journey that has him thought ups and down.

As he concludes, he is grateful that the system will be able to serve its indented purposed and meet its objectivity to the satisfaction of the **"Stock Market for Apna Stock"** Students and visitors.

The project entitled as **Stock Market** is the system that deals with the issues related to a particular institution. This project is successfully implemented with all the features mentioned in system requirements specification.

Awareness and right information about any college is essential for both the development of student as well as faculty. So this serves the right purpose in achieving the desired requirements of both the communities

Bibliography

Bibliography meanes take reference to prepare any project, here I concern the book and website which takes reference is as under.

- **Books : -**

  - PHP
  - SAD
  - MySQL

- **WEBSITE : -**

  - www.w3school.com
  - https://kite.zerodha.com/
  - https://www.tutorialspoint.com