PROGNOSIS OF STOCK SCRUTINY

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ABSTRACT
The objective of the project is to develop a pivot calculator for predicting the decimal values for the people who are new to the equity market. The application will have the stock name, its high, low, close values with the dates. The pivot point calculation is done with the help of these values and the resistance and support for the stock is also calculated. The graph and the report generated will help the user to understand the flow of the stock in a better way. The application is developed with the help of formulas and values in the database.

Keywords: Prognosis, Pivot, Resistance, Support Stocks graph

INTRODUCTION:
Stock or equity market is one of the most successful sector that comprises of buyers and sellers who usually trade for making money.

Pivot point is the point with which the market movement is easily identified. It is the average of the high, low and the close value of a particular share. It provides a standard support and resistance on the price chart. The pivot point is used by all the traders because of its high accuracy. The support and resistance levels calculated using previous market width are usually used as the exit points and rarely as the entry point.

General Requirements:
As we all know, using a financial application is the bit complicated when compared to other application. The stock market application created should be very accurate as it deals with money. The stock market application needs a lot of calculations to be performed in order to get the most accuracy results. The accuracy decides the amount of the profit or loss of the traded money. The primary goal should also be making the users understand and analyze the market condition before investing and also be able to predict the market flow. Before using the application the user must have a basic idea of what a stock market is and what are the prerequisites that should be known. The user must be aware of the technical terms that is used in the equity market. The basic knowledge must also comprise about the timings of the stock market, when does the stock market function on special days, how does the prices differ and mainly the name of the stock they are going to trade.

Citations and Literature Survey Technical
ARCHITECTURE AND WORKING

The database of the system is filled with data about the stock. The stock name with certain range of days and its high, low, close values are given. The formulas that are used to predict the stock price are hardcoded with the help of the scripting language. The values calculated will be generated as a line in the graph.

1. Login
2. Register
3. Data Entry
4. Database Management
5. Graph generation
6. Report generation
7. Logout

Login
This is first module of the application. There are 2 login actions, one for the general users and other for the administrators. The general users are logged on to the system with the help of the email id and the password they chose as the credential. The administrators will have their own set of login credentials to enter into the system. The login page of the application automatically redirects to the next page of the application. The administrator login will also have the same privilege in the login page. The login credentials will be maintained in the database for the administrators to view and verify the users who are logging into the system.

Register
The users who want to enter and access the system are asked to register into the system. The registration asks the users to enter the email as well as the password to enter the system. The login credential will be autosaved into the database. The email and
the password are mainly used to get access into the system to use the features into the system. The registration process is maintained at the backend with the help of the database.

Data Entry

The users using the system will be asked to select the stock. The stocks will be listed in the application in the form of a drop-down. The stock name will be saved in the backend database. The stock name will be in the database already.

Database Management

The database is the heart of this application. The stock price and its respective value will be given into the database. The user has to only select the database. The main work of the administrator is to maintain the database and make it feasible for the user using the application. The database will have a table that comprises of the stock name, low, high, close, open and the date. The database will have all these values in it and it helps in the calculation values. The hardcoded formulas will take values from the database. The admin will only have the privilege to view, update the stocks in the database.

The database will have the stock and its values so that the hardcoded formulas can be easily mapped into it. The database will contain all the needed and necessary information about the stocks in order to calculate the pivot point. The pivot point will be calculated and will be stored in a separate table in the database. The pivot point table will be used as a tool for people to identify the flowing market trend. The support and the resistance levels will also be calculated with the help of the formulas.

The support and the resistance will have 3 levels in it. These levels will also be saved in the database. The support and the resistance will be used in the calculation to predict the stock range. The user will not have any access to the database.

The database will have all the values that will be only managed by the administrators. The database will be managed and maintained by the administrators.

Graph Generation

The graph will be generated with the help of the high, low, close values inputed in the database. The graph of the stock will be generated based on the given dates values. The graphs generated will have a series of lines that denotes the calculated values.

The pivot point line in the graph will be generated in blue color and the resistance levels lines will be generated in green color and the support levels will be generated in red color. The graph generated will give the users the better understanding about the stock and the current trends in the market.

Report Generation

The report will be generated in order to keep the track of the stocks that have been viewed by the users. The soft copy will help the user to map the current trend and helps the user to forecast the future market trend.

The report that is being generated will have the pivot point, all three levels of resistance and support along with the generated graph. This will help the users to know and understand the current market trend of the particular stock that is being analyzed.

Logout
This is last and the simple module of the application. The logout module makes the exit of the user from the application saving all the works of the user done.

5. Proposed System

The pivot point which is highly accurate is the backbone of day trading for the people using it perfectly. This application is helping in calculating the pivot point more accurately in terms of decimal values.

The graph generation will be helping the normal people in understanding the market conditions about the particular stock. The graph will show the real story of the stock.

6. Future Enhancement

The future enhancement can cancel out the waiting period. The waiting periods will be reduced in the near future and it can be done if the api resources are readily available.

7. Conclusion

The current generation only looks for a quick profit rather than to hold and sell a stock. The pivot point calculated will help the current generation to concentrate more in day trading as it is the backbone of it. The pivot point is so very accurate and it is the first web application to calculate pivot point.

8. References

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