IJFANS INTERNATIONAL JOURNAL OF FOOD AND NUTRITIONAL SCIENCES
ISSN PRINT 2319 1775 Online 2320 7876
 UGC CARE Listed (Group -I) Journal Volume 11, S.Iss 6, 2022

E-PROPERTY MANAGEMENT SYSTEM

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Abstract
The managers can utilise the software technology as an inventory system to create a framework that allows them to complete reasonable transactions in a constrained amount of time. Every system activity is closely linked to the data being updated in the database, which in our instance is Microsoft Access 2007 on the back end. We have designed a sell the property, such as land, house in this document.
The primary features of this project are to display the closest location, property type, and lowest range of properties or areas by using a filter. This Android application allows sellers the ability to post homes, land, and commercial properties. Additionally, it gives the seller access to add new ads and remove old ones by allowing them to enter into the system. Every user has a login account with a login ID and password for this.

Index terms: Real estate modelling, construction enterprises, data mining, construction cost comparison, and financial analysis

1. INTRODUCTION

The necessity for an e-property management system stems from the fact that it has become a crucial component of contemporary society. A person's housing situation has a significant impact on their quality of life on an economic, social, cultural, and personal level. Even while a nation's economic growth is typically gauged in terms of money, wealth accumulation has little value unless everyone can profit from it and if it isn't put towards addressing the developing social inequalities that exist, such as a lack of affordable housing, land, or commercial space. In that project, the most inexpensive or low-cost properties are sorted using a filter and displayed first.
In any nation, property is essential to reviving investment, and one of the most important markers of development is housing. One of the fundamental human rights stated in the Universal Declaration of Human Rights is the right to a fair quality of living, which is largely dependent on having access to suitable housing. offers a Sell site where users can look through different apartment buildings and buyers may view real estate based on the comparison chart with filters. This study article focusses on managing land, houses, or what is usually referred to as affordable housing, as well as commercial space, for those with low, medium, and high incomes.

LITERATURE SURVEY

Ji Yingbo and Xu Bing presented an examination of the core competitiveness of construction enterprises in 2011 using industrial housing construction as an example. This analysis showed that employing engineers and skilled workers, using less energy and resources, and producing less pollution, Thus, this method offers numerous benefits for industrial buildings,

including cost-effectiveness, quality efficiency, technological advantages, and social benefits for the advancement of green building or strengthening of buildings.

Yahong Li of the University of Hong Kong developed the use of business method patenting to provide intellectual property protection for E-Business Methods (BMs) such as online search techniques, internet server access control and monitoring systems, and electronic shopping carts in 2014. We can prevent competitors from stealing our business method using this technology.

The industrialised construction system, framework system, and building cost comparison were all introduced in 2015 by Hassim Salihuddin and Nazul Azam Haron. We can compare standard building with local customisation in this system. Compared to other framework systems, this conventional system is more affordable. Dinesh Bhuriya, Upendra Singh, and Ashish Sharma introduced the stock market survey in 2016. They presented market prediction, data mining, multiple regression, polynomial regression, and linear regression are some methods of machine learning prediction. According to this concept, stock and national growth are closely correlated with stock market performance.

Thus, this technique aids investors and stock brokers in making financial decisions in the stock market.

Using the stock market network, market graphs, financial network, portfolio analysis, network analysis, lobby index, and stock market dynamics, Susan George and Manoj Changat launched stock market data mining and portfolio analysis in 2017. This technique has multiple applications and is useful for mining and the stock market. It also builds a network of stocks by capturing the movements of the stock market over a 12-month period.

2018 saw the introduction of the construction cost comparison between the standard framework system and the factors of cost, speed, labour, and quality by Mohd Syazwan, Md Rahim, and Nuzal Azam Haron. All contractors will find this technique more convenient and cost-effective as it can accommodate various building designs.

We gathered some data regarding the stock market prediction mechanisms that are currently in use during a survey of the literature.

1. A study on the prediction of the stock market using machine learning The prediction of the stock market has grown in importance in the modern era. Technical analysis is one of the techniques used, although it doesn't always produce reliable results. Therefore, it's critical to create techniques for more precise forecasting.

Predictions derived from the stock price are typically used to make investments after taking into account all potential influences. Regression analysis was the method used in this case. Before a prediction can be produced, a significant amount of data must be analysed because financial stock markets create massive volumes of data every single moment. Each of the methods under Regression has advantages and disadvantages of its own.

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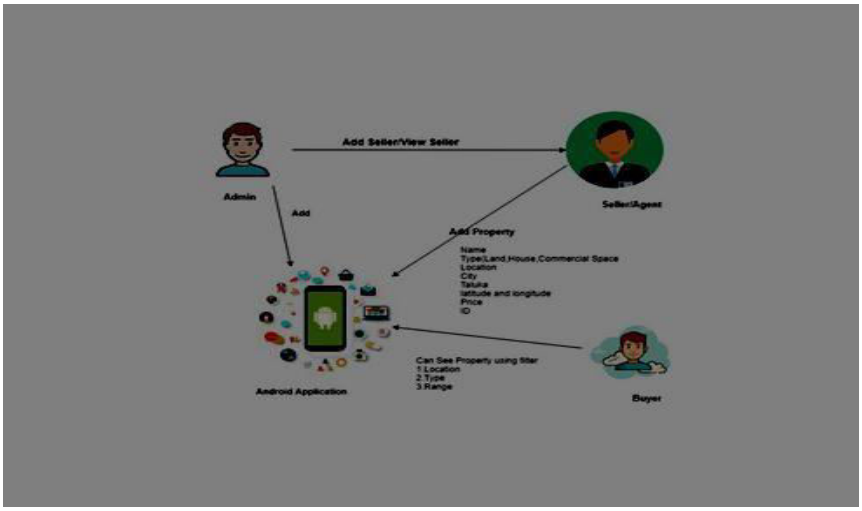

equivalents. Linear regression was one of the notable methods that was discussed. The least squares approach is commonly used to fit linear regression models, but alternative approaches can also be used, such as decreasing a handicapped version of the least squares loss function or the "lack off it" in some other norm (SITRC, Department of Computer Engineering, 2019 . On the other hand, nonlinear models can be fitted using the least squares method. [1]

2. Financial Ratios and Technical Analysis's Effect on Random Forests' Stock Price Prediction There is a growing trend in the application of artificial intelligence and machine learning techniques to stock price prediction. Every day, an increasing number of researchers devote their time to devising methods that can enhance the stock prediction model's accuracy even further. Many approaches exist for predicting the price of the stock because of the abundance of possibilities, but not all of them are equally effective. Even when using each technique to the same set of data, the results differ. According to the linked paper, financial ratios from the previous quarter were used to predict the stock price using the random forest method.

This is merely one method of solving the issue by applying a predictive model, in which the random forest is used to forecast the stock price based on past data. Still, there are always more variables that affect the stock price, like investor attitude, public perception of the company, news from different sources, and even events that produce volatility in the stock market as a whole. The accuracy of the stock price prediction model can be raised by combining the financial ratio with a sentiment analysis model that performs well. [2]

3. Multi-Source Multiple Instance Learning for Stock Market Prediction Although it can be difficult to predict the stock market accurately, the internet of today has shown to be a very helpful tool in this regard. Owing to the interconnected style of the data, it is simple to extract certain sentiments, which facilitates the establishment of links between different variables and the general sizing up of an investment pattern. Investment patterns from different companies exhibit similarities, and taking advantage of these similarities is essential to accurately predicting the stock market. Successful stock market information prediction requires more than just technical historical data. Additional techniques, such as sentiment analysis, can be employed to identify a significant relationship between people's feelings and the stocks they invest in. SITRC, Department of Computer Engineering 2019. The extraction

of significant events from web news and examination of their impact on stock prices was a crucial component of the forecast process.

2. PURPOSE

The top seller or agent who adds their property will be identified with the aid of this technique.

Our goal is for the buyer to be able to view the best property at the lowest possible price, thus we've employed filtering and comparing techniques such as low to high to determine how satisfied homeowners are with the building system to determine the variations in general quality over the course of a chosen housing area's existence.

3. ENERGY

When a problem occurs, the user might not always be able to visit or contact the leasing office, and occasionally it might be difficult for the user to even express the issue clearly. It is also a laborious task for the landlord to keep track of complaints from tenants. Given that the majority of people these days utilise mobile devices, an app was created that allows the renter to report issues via the app, streamlining the procedure. Tenants must use the app to complete the form, snap a photo, and email it to the landlord. The landlord can access a database including all of the issues simply using the app.

The problem will be given to the landlord in a well-documented form, providing the landlord with insight into potential solutions. By quickly resolving problems, rental property management thus promotes improved relationships between tenants and landlords.

4. SUGGESTED SYSTEM

All of the features of the conventionally used systems are offered by our suggested system, but in addition to using no spatial database, it also uses spatial data. The framework will feature the following salient characteristics: - Specification-based searching: This function gives users access to relevant information depending on the specifications they have given the website. For example, if a user searches for a house with one bedroom for nine lakhs, only those properties will be provided to the user that meet the above requirement. The consumer will only be shown with properties that meet their requirements if they are searching for land or commercial properties for 10 lakhs.

5. INTERFACE

Hardware System: - Upgraded to Windows 7 and Linux 500 GB for the hard drive and 4 GB for RAM.

CPU Frequency: -2 GHz Software System: - Operating Systems: Linux, CentOS, and Windows. Java is the programming language. Eclipse is the IDE.

6. ALGORITHM

To access the central database, the software must be connected to the collage local area network. Mathematical Model S= {I, O, F, DD, NDD, Success, Failure}

I entered the system.

I equals {username, password, seller information, buyer information, property information}

>O system output

O= {View seller, View buyer, View property details}

>F Function Set

F is equal to {F1, F2, F3, F4, F5, F6, F7, F8, F9}.

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F1: Sign up; F2: Sign in
F3: Add Purchaser; F4: Add Vendor
F5: Include property information F6: See the vendor F7: See the buyer
F8: see the specifics of the property
F9: Evaluate the cost and property. DD equals {Null} Non Deterministic Data, or NDD NDD {Username, Password, property details, buyer details, seller details, display seller details, and view buyer details}
Success {Every feature operating as intended}

7. Conclusion

We emphasised the necessity of an e-property management system in our study. Modern computerised programs must take the place of outdated paper-based approaches because to metropolitan migration and population expansion. offers a sell site where users may peruse different apartment buildings and buyers can view properties by using the filter and showing a comparison chart.

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