CRYPTO BASH

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Abstract: Cryptocurrencies are the most popular today and many people invest in these currencies with high returns. Most commonly used due to anti-theft and anytime, anywhere access. This makes processing easier. Therefore, we provide information about the rates of various cryptocurrencies available on the crypto market and create applications that act on the information provided.

Keywords: Cryptocurrency, Bitcoin, Currency, Encrypted, Components.

I. INTRODUCTION

The world is moving faster than we expect in this 21st century. Now the digital revolution is the future and new inventions are coming with every new day. Cryptocurrency, which is also known as Digital currency, is a big plus to these inventions that acts as a medium of exchange through computer networks opposing reliance on government authorities and financial institutions. A privately-owned digital ledger of a particular currency is a specialized type of computerized database that uses strong cryptography to protect transaction records, regulate currency creation, and authenticate transfers of coin ownership. . The fact that they are called cryptocurrencies does not change the fact that they are not considered. Cryptocurrencies are considered an asset category, but they are also classified as commodities, securities, and currencies.

By 2022, approximately 3.5 billion people worldwide will have access to digital technology. Currency has undergone many revolutions, one of which is a digital currency. This cryptocurrency is playing a key role in advancing the digital currency revolution. Cryptocurrency, often used as a decentralized digital currency, is one of the developments of Blockchain. It is a medium of exchange that uses a digital platform that uses technology to carry out financial transactions. The term cryptocurrency means a virtual currency that has no physical form and that this trading currency is invisible and therefore secure.

Bitcoin, Ethereum, Litecoin, and Monero are the few variants of this currency although it has no physical form, this currency functions the same as common traditional currencies and has an exchange rate. Cryptocurrency exchange rates fluctuate. In other words, exchange rates are unexpected and often abused by traders because of this. In 2009, Bitcoin was the first decentralized cryptocurrency released to the public in the form of open-source software. As of March 2022, there are

approximately 9,000 new cryptocurrencies on the market. There are approximately 70 market segments with a market capitalization of over $1 billion. Decentralized coins are created collectively by the entire cryptocurrency network at a fixed rate published at the time the network was formed. In centralized economic and financial organizations, such as the Federal Reserve Board in the United States, the board or government is responsible for regulating the amount of money available. For groups, financial institutions, or any kind of legal entity with an asset valuation.

Cryptocurrency Price Tracker's primary purpose is to monitor the current value of digital currencies as well as information about market cap, trading volume, price charts, and other types of data. Tracker accuracy can have a significant impact on investor decision-making. Because the investor should choose the price tracker carefully and rely on it 100%. A cryptocurrency price tracker should use reliable data and update the data consistently to provide accurate results to its users.

Many researchers have delved into cryptocurrency management and developed apps like Coin Tracking Application. If you want to know the latest prices of cryptocurrency regularly, this is the best application for you. Coin tracking is available for both iOS and Android apps. Coin Tracking is an easy-to-use application that gives users access to current prices, along with data that helps them make better decisions about when to buy or sell coins according to the market, which can benefit them. You can also easily connect to all major exchanges with API functionality that provides new ongoing trade data.

II. METHODOLOGY

Crypto Bash will be an application that allows users and investors to get the current price of a particular cryptocurrency of interest, as well as other cryptocurrencies that are growing daily. To gain knowledge, I have developed several cryptocurrencies using API (Application Programming Interface) functions. We also used different algorithms to get the best cryptocurrencies to appear on top of our application. Application programming interfaces are important for information exchange as they simplify the task of processing the XML language. Our application uses real-time prices and graphs to provide detailed explanations of currencies, making it actually clearer to users. There is also a login and login function, as it is an important feature these days. This feature also protects user-profiles and allows users to use applications

remotely.

This project contains various files, each of which performs a specific function within the application. Since React is the primary technology used in this project, the project will use the folder structure provided by React with various files.
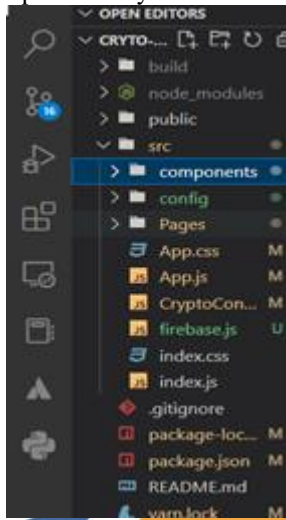
Crypto Bash follows the latest cryptocurrency trends around the world. Statistics are displayed by 24 hours, by month, and by year, and users can invest in different coins according to the chart. The platform we created provides insight into cryptocurrency performance with an engaging user interface built using React.js and Material UI. The main purpose of creating this platform is to give users easy access to crypto insights. We have built a user interface so that users can explore each cryptocurrency more easily.

III. MODELLING AND ANALYSIS

1) Login: To verify your identity, you need to log in. This is to prevent unauthorized users from using the program. The user can access her account using her email address and password.

2) Registration Screen: A registration page for new users who must first complete the application's registration process. To complete the registration process, you will need to add some details. This is the following information: email address, password, and password confirmation.This information is used to identify you.

3) Home Screen: The main page shows the overall list of cryptocurrencies and the top trending cryptocurrencies around the world in a carousel.

4) Add Coins: Users add cryptocurrencies of interest by clicking the Add to Wishlist icon.

5) Statistics: You can see a pictorial representation of the rice area in the form of a line graph.

6) User sidebar: All cryptocurrencies added by the user are displayed in the wish list.

7) Currency Change: Track Money is not limited to one currency. It also allows users around the world to track money in their local currency, so the app's target group is not limited to one country. Anyone anywhere can download it to track currencies and improve financial management.

8) CSV File Export: The user can also download her CSV formatted Excel file containing all the data for the currency, from which she can get all historical data on the stats of a particular cryptocurrency

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IV. RESULTS AND DISCUSSIONS

Print detailed and summarized reports
View weekly, monthly, or yearly summary reports.
No detailed report is required. The coins and their stats are clear and to the point.

Details
It includes the main screen - next to this watch list you will see all the different cryptocurrencies - all preferred cryptocurrencies are displayed according to the user's choice, so finally a possible setting - your profile Where it can be viewed and create any desired user-preferred settings within the application.

Information retrieval is performed exactly according to the plan that was created. I tend to get information with success by using the CoinGecko API. As our JavaScript technology applies filters to the data, we tend to retrieve valuable data such as statistics that measure the current state of currencies

V. CONCLUSION

We can conclude that this project successfully developed a crypto tracker app using React and other state-of-the-art technologies such as Material UI. Real-time prices and a detailed description of the currency with graphs set it apart from the rest. Additionally, the intuitive nature of the graphical user interface and the ability to accurately monitor Bitcoin exchange activity within milliseconds also sets this application apart from the rest. Cryptocurrencies are all the rage and the upcoming future of India. Many of them have started investing and trading in the crypto market. This application makes it easier to track prices and eliminates the need to search for prices on various websites, thus increasing personal profitability.

VI. REFERENCES

I.   Nathan Reiff (Mar 1, 2021). A Comparison of Cryptocurrency Price Trackers.

II.   Hofman, A. (2014, March 6). The Dawn of the National Currency – An Exploration of CountryBased Cryptocurrencies. Retrieved from Bitcoin Magazine.

III. Miraz, M.H., Ali, M.: Applications of blockchain technology beyond cryptocurrency. CoRR abs/1801.03528 (2018)

IV.   Dolan, R.J.: Emotion, cognition, and behavior.

Science 298(5596) (2002) 1191– 1194

V. Panger, G.T.: Emotion in Social Media. PhD thesis, University of California, Berkeley (2017)

VI. Chen, H., De, P., Hu, Y.J., Hwang, B.H.: Customers as advisors: The role of social media in financial markets (2011)

VII. Kouloumpis, E., Wilson, T., Moore, J. In: Twitter Sentiment Analysis: The Good the Bad and the OMG! AAAI Press (2011) 538–541

VIII. O'Connor, B., Balasubramanyan, R., Routledge, B.R., Smith, N.A.: From tweets to polls: Linking text sentiment to public opinion time series. In: Proceedings of the Fourth International AAAI Conference on WEblogs and Social Media. (2010) 16. Bordino, I., Battiston, S., Caldarelli, G., Cristelli, M., Ukkonen, A., Weber, I.: Web

IX. Bernard Marr (2021) Web, SEO & Social Media by 123 Internet Group. A Complete Beginner's Guide To Bitcoin.

X. Guresen, E., Kayakutlu, G., Daim, T.U.: Using artificial neural network models in stock market index prediction. Expert Systems with Applications 38(8) (2011) 10389 – 10397

XI. Luther, W. (2016). Bitcoin and the Future of Digital Payments. The Independent Review,20(3), 397- 404.

XII. Jani, S. (2017, December). Scope for Bitcoins in India.