International Research Journal of Engineering and Management Studies (IRJEMS)
Volume: 03 Issue: 04 | April -2019 ISSN: 1847-9790 || p-ISSN: 2395-0126

Automobile dealing application using Block chain

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Abstract:

A blockchain is crucial concept of distributed ledger technology or digital events that have been directed and divided among all the included parties. Each transaction in the public ledger is established by the agreement of a majority of the users that are participating in the system and, once initially entered, information can never be deleted. The blockchain consists of a definite and documentable record of every single transaction that is done. Bitcoin, the decentralized peer to peer connected like cryptocurrency, is the most popular example that uses blockchain technology. The digital crypto currencies like bitcoin, Ethereum itself is very much open to debate but the underlying blockchain
technology has worked immensely and found variety and a number of range of applications in both financial and nonfinancial sectors. Automobiles play an important role in daily life of humans to reach from one
destination to another. So, this is an application for selling the automobiles (cars, bikes) with the use of blockchain which gives the application a way to do a secure amount transfer without trusting the third party.

Introduction

A blockchain is a distributed, public ledger of all crypto currencies. Commonly strengthening as a completed block with the most recent transactions that are recorded and added to it in sequential order, it allows market contributors to keep track of digital currency transactions that are happening without central data keeping. Each node or a computer that is connected to the network gets a duplicate record of the block chain, which is downloaded automatically. Initially developed as the accounting method for the virtual currency that is bitcoin blockchains – which use what's known as distributed ledger technology (DLT) – are appearing in a variety of commercial applications today. Nowadays, the technology is basically used to check the transactions that happen between the customer and dealer, within online currencies even though it is possible to computerize the code and insert any document or information into the blockchain. Further then it produces a permanent record that cannot be tempered with, furthermore, the record's authenticity can be demonstrated by the whole group of people using the blockchain instead of a single centralized body. The main advantage of using this application is money transformation keeping a track of all transactions with providing features as openness, traceability and auditability. In the blockchain concept, sustaining the trust and reliability along the whole supply chain, it is necessary for the neat detailed transactions to be tampered-proof, while the possible best solution would be if every user or customer completing transactions could do that not necessarily depending on any main third-trusted party. The Project coding is based on multiple tools that are used to develop this mobile application that are so well connected that the project resembles to the computerization of the Web services operation of that particular resistant sector. The database design and coding techniques is highly boos

table and improved. This makes the application an overall user friendly and easy for trustful users. The app developed is surprisingly simple, just load it up, and it starts saving all details saved from user details. Any device that has access to sql log should be able to run the application with the help of android app. Here Automobile dealing application consists of an android application that will help the customers and dealers to interact with each other and make an appropriate deal for the customer to buy the particular product he intends to buy

Related Work:

Blockchain as a Service (BaaS): Providers and Trust

In 2018 the Distributed ledger technologies are presenting much observation. As discussion relates and imposes a focus on the strong applications of DLTs, Blockchain-as-a-Service (BaaS) offerings are starting to give the underlying supporting foundation. BaaS regards a service supplier that supplies and holds on to the values of a DLT infrastructure to smoothen and bring efficiencies that relate the development, experimentation, installation, and the currently management of DLT applications. Moreover, much of the focused, DLTs from their strong sense to decentralize, not intermediating, and enabling undecided interactions. Initially, BaaS – being offered by a provider – visualizes to run counter to this, whether BaaS increases the trust concerns depending on the firm of the offering, the application's values, and the System users aims and risk appetite. This paper briefly describes the nature of BaaS and gives us the trust considerations that need to be valued, basically approaching the role of providers as part of a bigger infrastructure.

Blockchain based Smart Contract for Bidding System:

Because of the popularity of the Internet, the integration services have gradually changed people daily life, such as e-commerce activities on transactions, transportation and so on. In Nov 2017 the E-auction, one of the profound e-commerce relations, allows bidders to bid the products that are disposed over the Internet. As for various Interesting and unique bid, the extra transaction cost is applied for the bidders because the third-party plays a valuable role negotiating the customers and the sellers that help to look after both parties while the auction is still in place. Moreover, adding that it never makes sure whether the third-party can be worthy of trusting. Considering the problems to be solved, the blockchain technology with minimum transaction cost is used to develop the smart contract of random bid and unique bid. The smart bond, that was firstly imposed in 1990 gets going through the Ethereum base that can make sure of the bill becoming more safe, private, never repeating same records and non-tampered records owing to all the transactions are recorded in the same system but distributed ledgers. The smart bond contains of the address of Auctioneer, the start auction time, deadline, the address of current winner, the current highest price. In the experiments, the accounts are created through Ethereum wallet. In miner stage, the Miner Gate is used in miner stage for obtaining money to pay the transaction fee. At recorder stage, the nodes of blockchain are synchronized to generate smart contract.

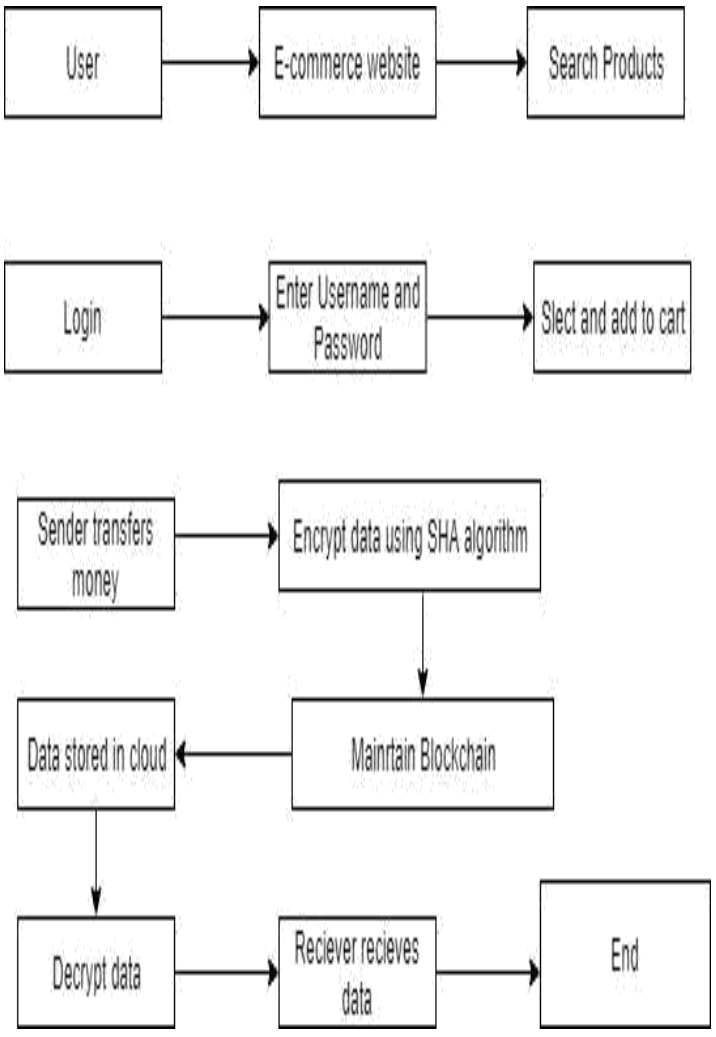
Keywords: E-auction, Public Bid, Sealed Bid, Blockchain, Smart Contract Introduction In recent years, E-auction [1, 3, 9, 10, 11, 13] is the popular issue since its convenience and efficiency. E-auction integrates the network technique into the bidding system in order to reduce the cost of transactions. The main roles during E-auction include bidders, auctioneers, and the third-party as shown in Fig. 1. Most of the third party is the centralized

A Blockchain-based Verification for Sharing Data Securely:

Abstract—For the aim of ensuring users' privacy from the corrupt data which is used by other people and releasing the pressure of the clouds, an approach known as verification based on the Blockchain is mentioned in this particular article. Making use of the Blockchain to maintain the integrity or the same the hash value and other important information of data sharing by number of people, we can make sure that the data user borrowed from a third-party source (such as a cloud storage platform) is the main uploaded data that was original in making. Thereafter, making some experiments on the same method. We verify that it can be simply be showed whether a data has been changed by some intended user making use of the Blockchain-based approach. This Blockchain-based approach of correction of maintaining the same data can effectively help users to find out if the data received is solely the needed one by the particular user in the system. In addition, our system approach will impose that the data is not the firm one and that data cannot be opened or considered Keywords—Blockchain; Security; Data sharing;

System Overview:

In the automobile dealing application the Customer would first login into the system and wait for authentication. After the process is done the customer goes through a number of products that one could buy of the automobile regarding industry. Thereby Selecting the product and ensuring it that the customer wants to buy the system then provides the customer with an appropriate dealer list that the customer intends to buy the product from. Then the Customer could visit the dealer showroom for test drive. The Customer then falls back to the Payment option page where he can pay the product amount through various means into the system. Once the process is done the blockchain comes into consideration for not letting the amount transfer to fail or be weak meaning that the security of the payment transfer ensures the smooth functioning of the application. Blockchain here prevents the unexpected users from tampering into the system integrity and also maintains the confidentiality stating the right amount is transfer happens between the two appropriate recognized account.



The above-mentioned system architecture diagram explains the system functioning in a smooth and an understandable way. The dealer and customer deal transactions between them on the product that customer intends to buy and then the blockchain is maintained between both the user and the dealer protecting it from the internet threats.

Existing System:

The topic of our research is money transfer using blockchain. There was a prominent necessity of the mentioned type of research for the money transferring so that the users in the system can perform their tasks more successfully and systematically. In the past, some of the work had been completed on minor of this mentioned topics, but our goal for this research is to surely find those imposing factors that help the managers to manage money transfer more effectively and efficiently. Some problems come at the money transaction.

- Much difficulties occur at the stage of scheduling.
- Some take place regarding the trust and transparency.

Existing system is not computerized and it is very difficult to manage and inform any details regarding agriculture. In addition to this it is more paper work and time-wasting process. We have to face high-level risk to maintain it. In this existing system each user cannot get information about the money. In this system,

5. Reduce lots of paper work.

data is not secured and low level of transparency.

Disadvantages of Existing System:

1. Lot of paper work required.
2. Man, power was more.
3. Time consuming process.
4. User cannot access information easily from anytime anywhere.

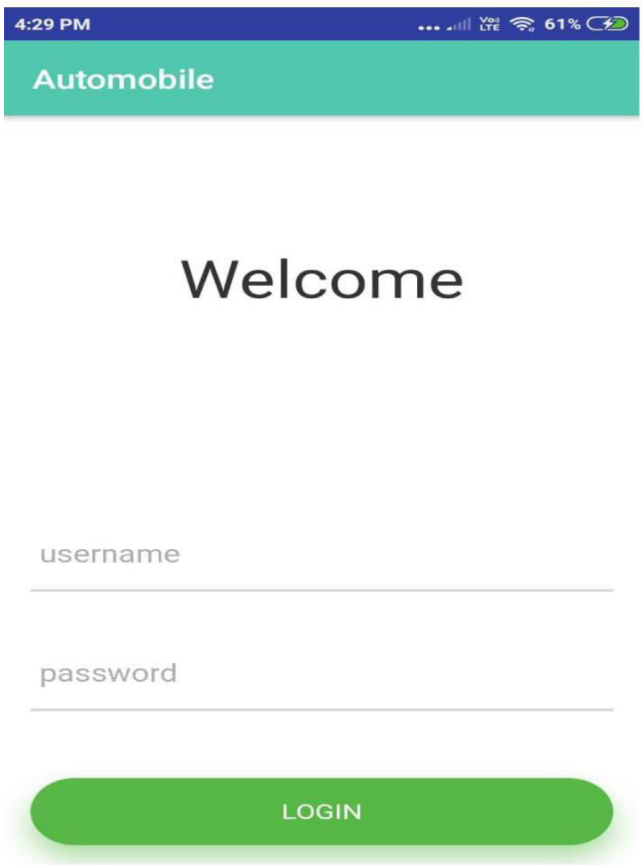
Proposed System:

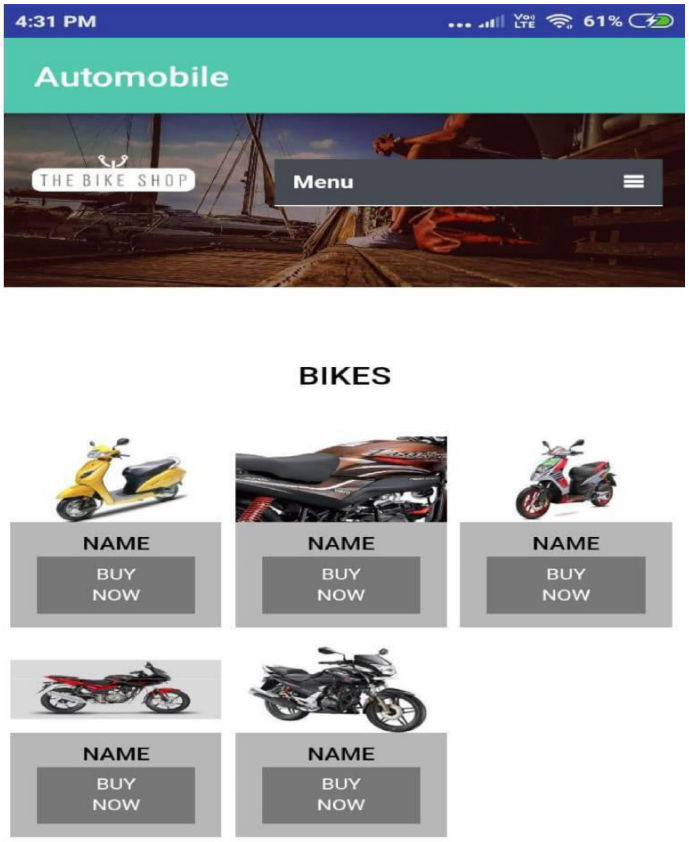
This proposed Android application for money transfer using block chain is very helpful technology. In this application we are providing all transparency regarding all product and transactions. To understand use of this application considers the flow of actions happening, by this application user can register and login.

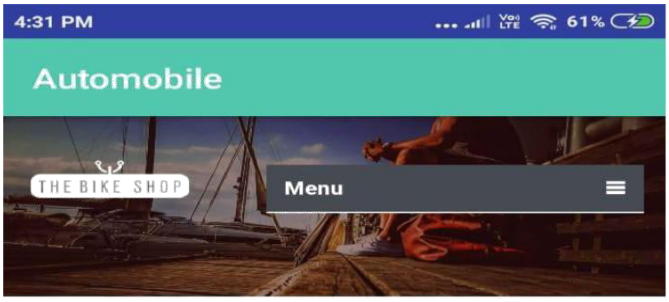
Advantages of Proposed System:

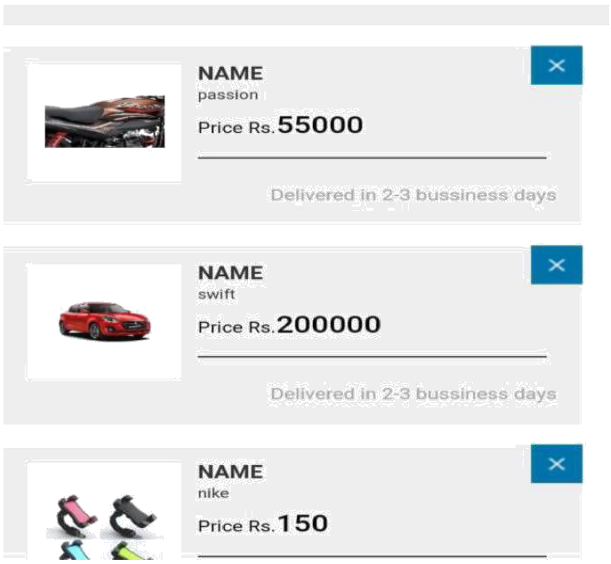
1. User friendly.
2. User can get all information about product easily through android application.
3. Any user of this android application gets any information at anytime, anywhere through this android application.
4. Transparency should be maintained.
5.

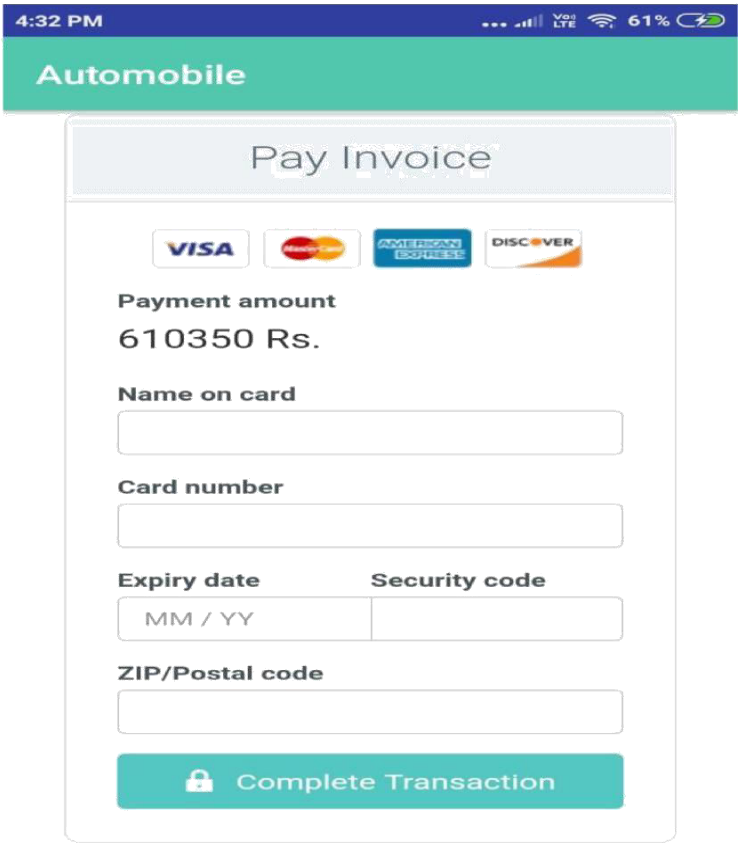
Screenshots:











Conclusion:

This proposed system provides an E-auction mechanism based on blockchain to ensure electronic seals confidentiality, non-repudiation, and unchangeability. We expect to encounter potential problems in the implementation of this work. This proposed system will ensure the dealing and transaction happening between Automobile dealer and customer with the use of blockchain goes Smoothly. Finally the System will provide a smooth functionable application to link the customers looking for Automobile products with the given list of appropriate dealers spread through various locations. The application can reduce the paper work maintaining a computerized detail about the complete transaction that are going to happen and track a deatil about it and ensuring the amount transfers happen only between two intended persons that was going to happen

Future Scope:

It may help in collecting perfect transactions in every bits of transaction happening detail. In a very short time, the collection will be recognizable, easy and practical. It will help a person to know the actual process done in-between Customer and Dealer. It will be also reduced the cost of collecting the information and collecting the procedure process will go on smoothly. It satisfies the user requirement. The system will be easy to get through by the user and operator

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