

BLOCKCHAIN BASED SMART CONTRACT FOR BIDDING SYSTEM

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Abstract-The reconciliation administrations have quickly changed individuals' day by day life, for example, web based business exercises on exchanges, transportation and so forth by the more utilization of web. The E-sell off is one of the well known web based business exercises that permit bidders to legitimately offer the items over the Web. In the event that the outsider organization contrives with dealer or purchaser, purchaser's offered cost and merchant's competitive innovation would be deceived. Block chain vows to illuminate this problem. The outsider assumes the significant job between the purchasers and the venders and help to exchange both during the closeout. Notwithstanding these, we even don't have the foggiest idea about that whether the outsider is trusted or not. To take care of these issues, the block chain innovation with low exchange cost is utilized to build up the savvy agreement of open offer and fixed offer. *Keywords - E-auction, Public Bid, Sealed Bid, block chain, Smart Contract*

1. INTRODUCTION

A blockchain is a digit, decentral, open record of all cryptographic money exchanges. Steady the latest exchanges are recorded and included there in successive request, it permits showcase members to remain track of advanced cash exchanges without focal recordkeeping. Each hub (a PC associated with the system) gets a duplicate of the blockchain, which is downloaded unexpectedly. Block chain uses a digital signature (SHA256) algorithm to maintain/verify the integrity of the data. Mainly there are two types of blockchain implementations. Open/Public and enterprise. In an open and public

blockchain anyone can join as a node to the most network. But in an enterprise blockchain such as Hyperledger fabric only authorized nodes can enter into the network.

Aim of the Project

The point is to keep up trust and unwavering quality along the entire production network, it is fundamental for the put away records to be sealed, while the best case would be if every on-screen character giving exchanges could do that without depending on any concentrated outsider middle person.

Objectives of the Project

Objectives of the systems development and event management are:

It gives adaptation to non-critical failure, changelessness, straightforwardness, and full recognizability of the put away exchange records, just as reasonable advanced portrayals of physical resources and self-sufficient exchange executions.

Scope of the Project

It helps in assisting with gathering ideal exchanges in detail. In a brief timeframe, the assortment will be apparent, simple, and down to earth. It will assist an individual with knowing the real procedure done in the middle of the client to the vender. It will be additionally diminished the expense of gathering the data and gathering strategies will go on easily. All the user requirement is totally satisfied.

- Interpretion by the user and the operator is easier.
- Have a good user interface.
- User friendly.

2. SYSTEM ARCHITECTURE

Existing System

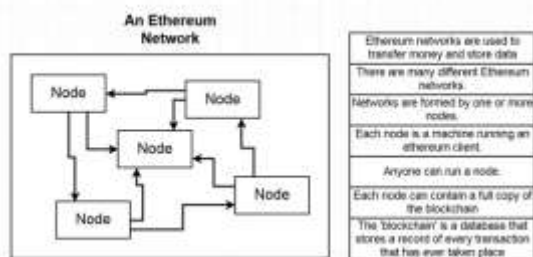
The existing system is not computerized and it is very difficult to manage and inform any details regarding agriculture. In addition to this, it is more paperwork and time-wasting process. We have to face high-level risk to maintain it. In this existing system each user (customer and seller) cannot get information about the order. In this system, data is not secured and low level of transparency. Users cannot access information easily from any time anywhere.

Proposed System

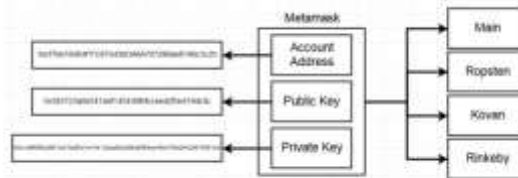
This proposed web application for smart using blockchain is a very helpful technology. In this application, we are providing all transparency regarding all products and transactions. To understand the use of this application considers the flow of actions happening, by this application user (seller and buyer) can register and login Users can get all information about the product easily through web application. Any user of this android application gets any information at any time, anywhere through this web application. Transparency should be maintained.

3. METHODOLOGY

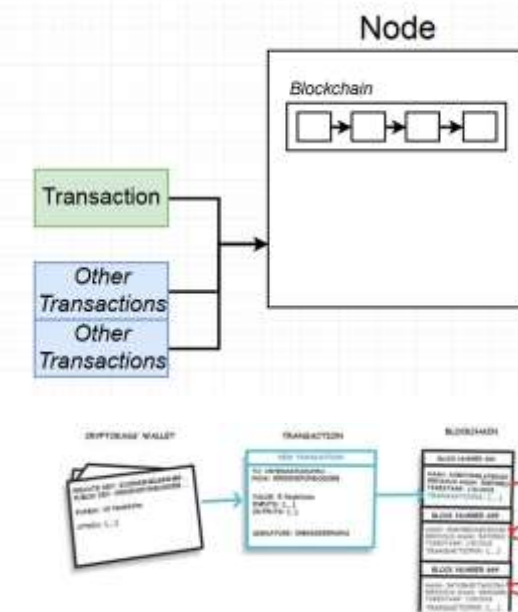
Ethereum is written using the Go programming language. Geth is the command-line tool/interface for running a full ethereum node. You have the option of connecting to the main ethereum network or create your own private network. If you are connected to the main network then entire blockchain data (~45GB) will be downloaded to your machine. Therefore we are going to set up our own network with one node.



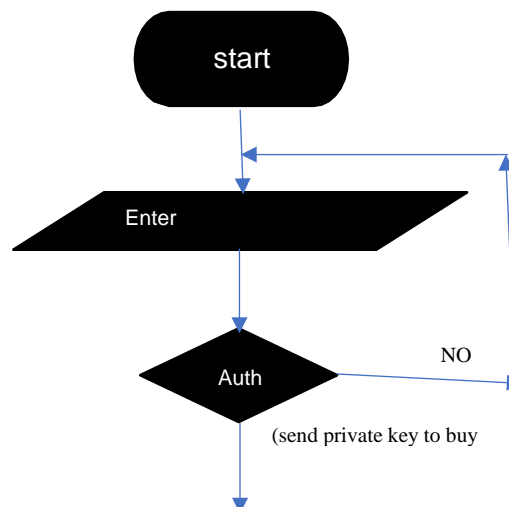
There are a couple of test ethereum networks available in addition to the main ethereum network. Ropsten, Kovan & Rinke by can be used to test your application before moving into production main network

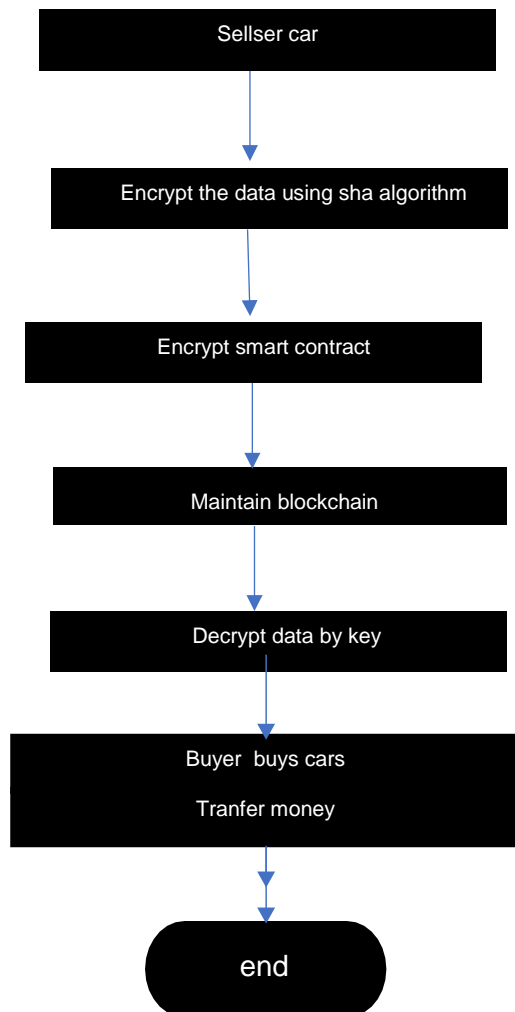


Blockchain is a link list of Blocks that are connected with Hash values similar to Git. Changing the content of one block will result in a change of Hash values in the chain.



4. SYSTEM FLOW CHART





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5. FUTURE SCOPE

As future work, we may wish to propel our framework structure and usage to figure with completely encoded booking subtleties, including the value every day, the value per additional day, and required number of days which are utilized for count of installments. Another potential course may be to adjust SC2Share all together that it bolsters the usage of cutting edge cryptographic natives like zero-information proofs

6. CONCLUSION

This report is fully decentralized car booking and payments. This framework can be joined with a car access conventions to give a safe and private vehicle sharing condition without the requirement for any middle person. We have demonstrated that SC2Share gives every significant usefulness that are required for a vehicle sharing stage, and gives security and protection by plan.