Auction With Block Chain (Abc)

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ABSTRACT: Tenders or Auctions are generally used by governments and companies to procure goods or services. The government spends huge tax amounts to improve the public infrastructure of the city. Tax amounts can be reduced by utilizing the power of NON-DIGITAL ADVERTISEMENTS and BLOCKCHAIN, such that a complete tender management process is ensured and made efficient as it has distributed ledger for making online auction in a very fair manner. Advertisement spots such as Bus stops, Buses, Metro Pillars, Railway Stations are auctioned to the companies as they invest in their creative advertisements. Thus the popularity and production of their products are increased. In this case, we make use of Hyper ledger blockchain technology to secure transaction-based documents along with transactions such as tender documents, applications, tender proposals, company profiles, past records, approving officer details, rejection details to ensure a completely transparent tendering process.

1. INTRODUCTION:

In this digital era advertisements are part of our life. By using the power of the creative advertisements developing the city infrastructure is much simpler. By implementing a platform for people to advertise their product and make the place neat and clean. To place the ad's companies pay some amount. Using these idea two implications can be done. The public places can be clean and tidy and in other hand the government tax is much reduced. The public place which can be allocated for advertising purpose given with the base value. The bidders who would like to take part in the auction must create an account and selects the place which he/she may need. The bidder must provide higher value than the base price in order to win and when the same value is founded based on the average value of 75 percentage of value what others bid. The values provided by the bidders are get stored in a block chain which does not need any form of memory, the values are formed as chain of block. The winner will be announced as end of auction and none will see the price quoted by anyone until the auction gets completed. The authenticity of the auction is maintained by recursive background check and authenticity checks. It is way harder to find the Hash keys which are generally used to form links with the block. I you want to find the hash value it would take up to several 10^65 seconds, which is several years. The winner will be displayed with the payment link or Quick response code format which can be paid and advertisement can be kept. The advertisement can be kept based on seasonal dependencies.

ARCHITECTURE DIAGRAM

2. EXISTING SYSTEM:

In real time auction system the auctioneer will announce the base price where bidders use to call up values.

The call up value must be greater than the base price in order to win the auction.

The bidder with the highest bidding value will be announced as the winner, if none of other bidders who are not interested in calling high value. The online mode of auction does take place in above mentioned order, where base price will be announced and bidders who are interested in that place may bid for the place. The values are stored in a data base or general electronic ledger, where it can be easily replaced or misused. Third party is involved in calling up and maintains the data base, where they can easily indulge in any malpractice. The security level of the current framework is very much low. The third party involvement will lead to the concept of partiality. Difficult to keep the values in protected manner. Unable to find where malpractice happened.

3. PROPOSED SYSTEM

Tenders or Auctions are generally used by governments and companies to procure goods or services. In the proposed system the Tender or Auction process takes place online but transparently with the use of the Block Chain. The government spends huge tax amounts to improve the public infrastructure of the city, which will be reduced in the proposed system by utilizing the power of NON-DIGITAL ADVERTISEMENTS and BLOCKCHAIN
wherein the proposed system the data security is high and the probability of hacking very less since the blockchain has distributed ledger for making online auction in a very fair manner. Advertisement spots such as Bus stops, Buses, Metro Pillars, Railway Stations are auctioned

To the companies as they invest in their creative advertisements. In the current system, the auction could win by a single company which will act as a third party or intermediate between the end-user(who places the advertisements) and the Government, but in the proposed system there is no intermediate direct contact with the Government so that Government could earn more tax amount which will be used for the people welfare. In the current system, there is a chance of favors done to a particular company as their member in the auction group could help him by revealing the highest quoted amount details, etc. but in the proposed system since we using blockchain for the storage it hash the detail and store it in the blocks, and changing the hash function leads to cut off the chain even if he tries to change entire block chain network the time required is high since we have one month for the tender

Time so it is impossible to find the exact hash of the particular block in the network will take time of approximately 10^{65} seconds so favoritism is not possible all the companies given equal opportunity to take place in the auction. The flow of the proposed system is the user as to login/sign in to his/her account and then chose the place where they are going to place their creative ideas and then fill the form with the required details and then quote the amount for that respective place and wait for the date of result announcement, on that day the results will be published in the website and the winner of the tender will receive an email with a payment link and further proceedings once the payment is over the winner will receive a date to send is a blueprint of the advertisement with certain terms and conditions as per the Government after the approval of the blueprint the Company can place their advertisement for the period as per the tender agreement.

4. APPLICATION:

City Infrastructure can be developed without using the tax amount. Data security is high because of block chain technology Allowing small corporate companies to place their creative advertisement. Increasing usage of public transport from private transport through changing the mindset of the public. Creating the job opportunity for the non-digital advertisement agencies and also wall painting artists. Transparency is high in the tender process. This is the undertaking which can change the fiscal status of our country if it is executed by the hold bank and the significant research is going in light of the bit coin so our thought will be important for the pros. As an issue of first significance, we should need to inspect using lightweight cryptographic frameworks in our diagram. Second, we plan to analyze the blueprint of different customer driven access control models. Our proposed plan is definitely not hard to-learn and easy to-use since customers do nothing past entering one time username and affirmation code. By then select the pixel of picture, in case it is correct entering account for the most part pixels change reliably. The username, watchword is memory canny simple because customers of our arrangement don't have to review any secret at all. In perspective of the structure, our answer is versatile for customers since it diminishes the threat of username/mystery word reuse transversely finished various regions and organizations. Note that we are utilizing an individual contraption that is passed on by the customer as a general rule and the customer does not need to pass on an additional hardware or any physical inquiry for approval. This thought will be to a great degree profitable wherever all through the world in light of its extraordinary id age for each and every single note submitted to the system.

5. FUTURE ENHANCEMENT

Further enhancement can be done by making this system secure with the use of certificates for both merchant and customer and as technology changes new checks can be added to understand the pattern of fraudulent transactions and to alert the Respective account holders and bankers when fraud activity is identified. The dataset available on day to day processing may become outdated, it is necessary to have updated data for effective fraud behavior identification. To this extent, the incremental approach is necessary in making the system to learn from past as well as present data and capable of handling the both.

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