TOURISTOKEN

ABSTRACT

Tourism plays an important role in most people's lives , It is a source of entertainment, culture and discovery at some, and an economic source that includes a large part of the sources of income, many countries are racing to highlight their tourist attractions to attract many tourists around the world , Since the start of the online booking, there have been developments in the rates of tourism growth in the countries, online Advertiser Companies Race In Offering Services And Offers For Tourists , however a large number of Internet tourist bookings have declined for many reasons, Such as, account piracy, non-receipt of offers, personal data entry, After the launch of the technology and development of the Blockchain , There have been many solutions to these reasons, which have led to a decrease in the rate of tourist bookings, One of the most important developments of the Blockchain is the ethereum network with all its tools which We used to launch this project, It was a combination of the usual styles in tourist booking, and the innovative idea offered by touristoken to the tourist booking platforms, To become the first of its kind in a combination of tourist booking and the technology of the Blockchain , Let's see what's new and how this project has Repair many of the problems of online booking.

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INTRODUCTION

Background

We are a team of partners in tourism companies and private transport companies in four countries. We work in the field of online booking, with direct partners from airports, hotels and car rental companies, and third party partners we promote them for commissions, and the idea of the project is to combine the booking of internet tourism with the normal methods with the technique of Blockchain, how is it done? We have set up a platform at the company's official website, allowing customers to book reservations and get discounts from partners, this is done in two ways that will be noted in detail, the first method is: TOU-B (book & win) reward customers by TOU token when making reservations with our direct partners and third party partners, They are given to them immediately after confirming the booking with the partner. The second method is: TOU-D (Discount coupons) Giving the customer a special discount by sharing the profit ratio between the company and the customers. This discount is sold by TOU token at a rate of 30% to 50% of the discount value. So to encourage booking from the platform, without requiring any personal or credit data, just confirm the reservation to receive the reward.

We have launched a smart contract with Ethereum to enable the platform to send and receive token in an easy, fast and secure, using a gateway system between a fixed wallet of the site and Metamask customer wallets, Team members from developers have created this included the contract code, Such as in the Decentralized platforms and sites that do not use data in the login, Just use the signature of the wallet with the site. The difficulty of receiving rewards has been solved without the need to enter credit or personal information; we are now working to enable the customer to complete the reservation using the token via the platform or mobile application.

Vision

Token was created based on the techniques available through the ethereum network, which is based on the original Blockchain, To be an innovative way to reward customers to encourage online booking, , The first TOKEN code on the ethereum network used for international tourism reservation services, and the Matamask (Web3) token site will be connected to the security and speed of purchase and payment, you will not need the old registration method, all members of their booking data are registered in Database directly linked to Blockchain, using the signature property, the website has its own portfolio such as platforms, to protect the customer in the purchase of services, with an unlimited proportion of the total supply of the brand, more than no less, an automatic gateway was created to buy and sell currency directly Without the need for

manual transportation, according to the map We plan to create a special mobile wallet, which facilitates the use of symbolic transfer, payment, delivery and receipt as soon as possible, the currency price will be fixed against the dollar price, the price is adjusted compared to the ethereum price, giving investors and others safety in the light of price fluctuations, The team has long experience in tourism, and this makes the market exist, not the moment, especially with new technology, we will not create ICO because the desire is to use TOU in the services of the site and not in trading platforms or storage, because the price will be as fixed as possible.

TOU-B

In the usual way, we direct you to the partner's sites to make a reservation. When booking, you get your reservation number, all you have to do is submit the reservation number, and Ethereum wallet address, supports ERC-20 token, inside each offer shows the number of Token you receive, you can use them to buy discount codes tou-d, or sell them on our exchange or available platforms and recover value, This will be done manually until the customer accounts are completed and linked to Matamask without the need for any personal or credit data.
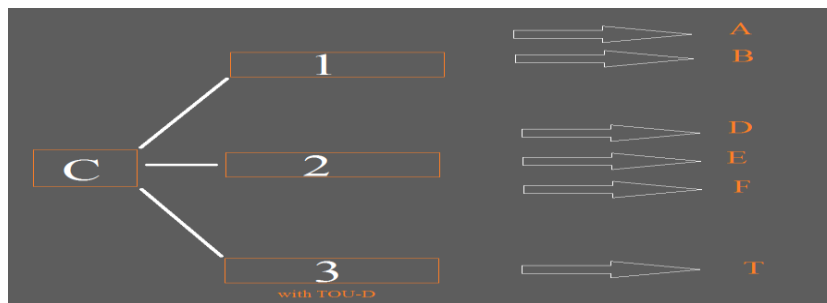
TOU-D

This is an important point in the project; we will explain to you a goal before explaining how to use it.

There are basic booking methods connecting the tourist and advertiser, and ways to connect the booking platform with the advertiser.

The new method is TOU-D, There are pros and cons in the usual ways, and all the negatives were solved and added a lot of pros.

1 - Tourist & advertiser

TOURISTOKEN

C=Customer

1=Direct booking

2=Third party booking

3=TOU-D

- C →1 reward = A & B

A= Nothing, unless the place advertised for the offers only, is not always available

B= they need credit data or cash payment.

- C → 2 reward = D & E & F

D= Points or gifts received after confirmation of the booking and payment, and this depends on the credibility of this party

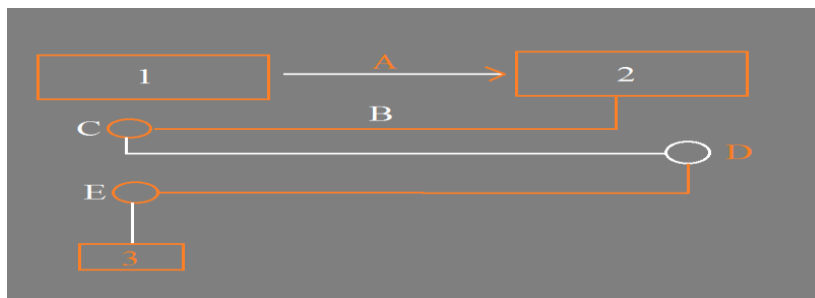E= A real discount is calculated on the total paid but added to the fees and taxes

F= need credit and personal information at two parties

- C→3 reward = T

T= Confirmed, directly, A known and declared discount on the total paid without adding taxes or fees, without credit or personal information, Received after confirmation of booking and do not need to wait, When you launch a mobile application you can also book and pay for it.

2- Platform & advertiser

TOURISTOKEN

1= Platform

2= advertiser

A= Direct Customer to advertiser

B= reservation confirmation

C= Waiting for payment dates or minimum payment, Review the verified bookings and give a report.

D= Recent review and payment

E= Receipt of dues in bank account or agreed source, Discount taxes and fees, Exchange of the customer's reward (3).

With TOU-D:

1- You agree with the advertiser on a discount rate on the total paid at the confirmation of booking

2- Receipt of the commission of the advertisement on the platform, after the customer accepts the conditions and pay for the purchase of the coupon, do not forget: The customer is sharing with you in your commission to make this booking.

3- Now you have token for the service, you can sell them to recover your commission, or use it to reward more customers when booking, in case of dealing with advertisers who do not use this method.

4- Now you receive your commissions without waiting, delay, mistake or bank fees, and the advertiser does not commit to pay or transfer any transactions, only commitment to give the customer discount as agreed.

5- You can register all transactions in your signature on the Blockchain.

Services

We have three basic services and Extra services.

Flights
We offer the cheapest international and domestic ticket prices, which you can book online or after arriving

Hotels
From the most known hotels to the hippest AirBNB apartments, you'll find out the best place to stay.

Car rental
Choose from a wide variety of cars in all sizes, also available for a daily or weekend rental plan.

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As we have already explained, we have direct partners and third party partners, it was agreed with the partners to implement the idea of discounts instead of commissions, and many partners are added with a time plan, to spread our services around the world.

Other services are being prepared, Such as booking trains, ships, Vacations, restaurants, etc., They are announced when the preparation is complete.

MECHANISM

Blockchain Overview

Just about everything we do, involves the creation and movement of data to it hotels bills, home rent, using public transport or the credit card trail. The Blockchain is a new way of storing and moving that data, wherein instead of holding that data in one place the information is spread over thousands of nodes across a network, all locked together with the help of cryptography. In this way, by replacing centralized authority with decentralized computing, Blockchain allows us a new way of transacting with one another by bypassing traditional centralized entities like the bank, currently at the heart of almost all human transactions. The Blockchain gives us a database that is decentralized or a digital ledger of transactions anyone on the network can see using cryptography to keep exports secure. Now, before an exchange can be verified and recorded, this network, basically a string of computers, should all give its approval.

Ethereum (metamask)

Metamask is a bridge that allows you to visit the distributed network tomorrow in your browser today. This program allows you to run the Ethereum dApps application in your browser without having to run a full Ethereum node, Metamask includes a secure identity vault, providing a user interface to manage your identities on different sites and sign Blockchain transactions, You can install the Metamask add-on in Chrome, Firefox, Opera, and the new Brave browser, it is mission is to make Ethereum as easy to use for as many people as possible.
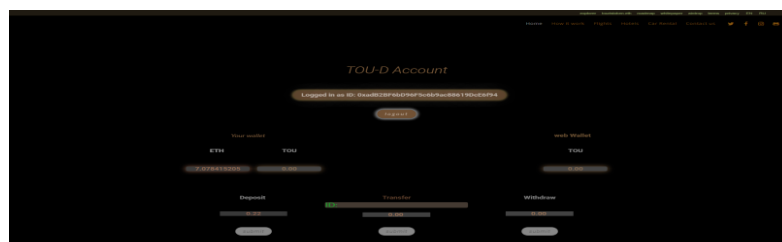
TOURISTOKEN

Smart contract

Smart contracts are applications that run on the Ethereum Virtual Machine. This is a Decentralized "world computer" where the computing power is provided by all those Ethereum nodes. Any nodes providing computing power are paid for that resource in Ether tokens. They're named smart-contracts because you can write "contracts" that are automatically executed when the requirements are met.

Touristoken platform

Is a decentralized platform created by Smart contract with the ethereum network, This platform allows its users to book tourist reservations for airports, hotels and other services, Searching for the best deals in the world, Use discount coupons and loyalty programs, And receive rewards for their booking.

The platform is based on the theory of decentralization, as they are not linked to personal accounts or credit information, it is used by creating a temporary account for the customer with the Metamask wallet, and the customer gives permission to connect his wallet to the site by:
 One-Click Login Flow, new login method: A one-click, cryptographically-secure login flow using the Metamask extension, with all data stored on our own back end. Here's a view of the login flow we've built.

TOURISTOKEN

Metamask is a browser plugin, available as the Metamask Chrome extension or Firefox Add-on. At its core, it serves as an Ethereum wallet: By installing it, you will get access to a unique Ethereum public address, with which you can start sending and receiving ether or tokens. But Metamask does something more than an Ethereum wallet. As a browser extension, it can interact with the current webpage you're browsing. It does so by injecting a JavaScript library called web3.js in every webpage you visit. Once injected, a `web3` object will be available via `window.web3` in the JavaScript code of this website. To have a look at what this object looks like, just type `window.web3` in the Chrome or Firefox DevTools console, if you have MetaMask installed, Web3.js is a JavaScript interface to the Ethereum Blockchain. There are functions to:

    Get the latest block of the chain (web3.eth.getBlockNumber)
    Check the current active account on Metamask (web3.eth.coinbase)
    Get the balance of any account (web3.eth.getBalance)
    Send transactions (web3.eth.sendTransaction)
    Sign messages with the private key of the current account (web3.personal.sign)

The basic idea is that it's cryptographically easy to prove the ownership of an account by signing a piece of data using a private key. If you manage to sign a precise piece of data generated by our back end, then the back end will consider you the owner of that public address. Therefore, we can build a message-signing-based authentication mechanism with a user's public address as their identifier, Most functions in web3.js are read functions (get block, get balance, etc.), and web3 will give the response immediately. However, some functions (like web3.eth.sendTransaction and web3.personal.sign) need the current account to sign some data with its private key. These functions trigger MetaMask to show a confirmation screen, to double-check that the user knows what she or he is signing.
Let's see how to use MetaMask for this. To make a simple test, paste the following line in the DevTools console:

web3.personal.sign (web3.fromUtf8 ("Hello from Tou!"), web3.eth.coinbase, console.log);
This command means: Sign my message, converted from utf8 to hex, with the coinbase account (i.e. current account), and as a callback, print the signature. A MetaMask popup will appear, and if you sign it, the signed message will be printed; we use `web3.personal.sign` in our login flow.

You have now created an account connected to the Metamask wallet, you can use it directly to exchange the token or deposit from your wallet into web wallet to buy a discount coupon using it or Withdraw from web wallet to your wallet or Transfer from your account to another account.

TOURISTOKEN

Web wallet: touristoken.eth, The Ethereum Name Service is a distributed, open, and extensible naming system based on the Ethereum Blockchain. Once you have a name, you can tell your friends to send ETH to touristoken.eth instead of 0xf8b9bba98ed7fce01d....., 12% of the Total Supply has been allocated to this wallet, Linked to the master account of the site, for exchanges, deposit and withdrawal, using the gateway built into the contract code.

```
1   contract Gateway is Ownable{
2       using SafeMath for uint;
3       address public feeAccount1 = ;
4       address public feeAccount2 = ;
5       address public feeAccountToken = ;
6
7       struct BuyInfo {
8           address buyerAddress;
9           address sellerAddress;
10          uint value;
11          address currency;
12      }
13
14      mapping(address => mapping(uint => BuyInfo)) public payment;
15
16      uint balanceFee;
17      uint public feePercent;
18      uint public maxFee;
19      constructor() public{
20          feePercent = 1500000;
21          maxFee = 3000000;
22      }
```

The platform does not need to enter any credit or personal data; it does not have a database for members, they are used in two ways TOU-B & TOU-D.

ABOUT TOU TOKEN

Token details

Token Name: TOURISTOKEN

Symbol: TOU

Decimal: 18

Total supply: 777,777,777

Contract address: 0x1E29ca8c874b4dFF828297cc2e9856819eea0933

TOURISTOKEN

Token allocation

29% sales & marketing

27% innovation fund

20% software development

12% website wallet (TOURISTOKEN.ETH)

10% Reward fund

2% Investors more than a year

ROADMAP

2018 - Run the site and started offering services

We are now launching the site with all its services, contracting with new partners, Add ready offers by third parties, Place bonuses in all offers to promote the project, setting up customer accounts linked to Metamask.

Q1 2019 - More partners and country

Q2 2019 - Listing on platforms

Q3 2019 - TOURIST COIN & Mobile Application

We are now creating a mobile application, Allows access to site services, you can search for the best deals, booking, token exchange, token sending to others.

Q4 2019 - International services

2020 - Best coin payment and this is the beginning

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