Hello everyone I shashank along with my team members priyanshu , harsh and prashat are going to present the working model of our application.

This is the landing page or the homepage of our website. On clicking the shop now button, we would land on the products page. In this page, we can see some products has been listed along with their specification and prices.

Next comes, The ABOUT US section, here we have described what our website is all about

Next comes the Contact us section, Here the user can give us the feedback along with the email address and also get connect to us via instagram, Twitter, facebook, and LinkedIn

Now, coming to the main part , After choosing from the enlisted products, click on the buy now option. Thereafter a popup appears. Here it show the Real Time eth price of the product. Here we have designed the api that converts the product’s price in rupees to ethereum price. U can have a close look that the eth prices is being fluctuating every moment. Right here the buyer wants to make the payment through this below provided eth hexadecimal address. And yes, we have implemented eth technology for the payment as said in the beginning. This is the ID through which we are going to make eth transaction directly to the sellers wallet. Now copy down the SELLER ID,

Now we will approach to the Metamask section, let me define what metamask is : MetaMask is a software cryptocurrency wallet used to interact with the Ethereum blockchain. MetaMask equips you with a key vault, secure login, token wallet, and token exchange—everything you need to manage your digital assets.

As u can see we are having 100 no of eth coins. Now we are going to make payment to the seller ID BY CLICKING ON THE SEND BUTTON. Already we had made a dummy account named seller for which a transaction will be made from our account to the seller account. A transaction is going to be made along with the gas limit. Gas limit is the charge which is going to cost for the following transaction. And it is kind of negligible

Now finally we come to the bill part of the transaction

SO let me show How to connect with Ganache

Ganache is like a local passbook maintained in the system and consist of all the detailed transaction made using Metamask.

Here you can see the previous purchase details of laptop. It is very detailed , handly and secure as well

Thank You.

E-COMMERCE CRYPTOCART README

CRYPTOCART is a decentralized system for customers who wants to buy some products such as Phones, from the following store with beneficial of using Ethereum technology. Due to which both consumer and seller get advantages of Ethereum payment portal hence it runs without any downtime, fraud, control or interference from a third party. The consumer can also easily locates the nearest local stores with there products and services and also can proceed to online transaction through Ethereum.

**Why to Use Ethereum**

**Smart contracts guarantee security and reliability**

The Ethereum platform has as its main objective smart contracts, which are executed safely and without the need for third party intervention (since these are designed in such a way that “yes or yes” is fulfilled).

**It’s not regulated by government entities**

No government entity exercises control over Ethereum, so it is difficult to control its value and it will depend solely on the trust of users and the volume of transactions that are made with it, which gives users peace of mind that When paying with Ethereum, the money will go directly to the owner of the product or service that is paid for, without anyone else intervening.

**It’s developed with open source**

Ethereum is developed with an open source system, which allows improvements when necessary. This benefits the users of the platform as it gives more stability and transparency, and if an error or failure occurs in any transaction, it could be solved by entering the source code of it.

**It’s very hard to counterfeit**

One of the biggest fears in financial transactions are scams or counterfeit money, which is very common with fiat money since being papers can be easily printed (with a similar result), without having any legal validity . In the case of Ethereum that is not possible because it is a virtual currency with its own identifiers that make it unique.

**It’s cheaper**

In the case of Ethereum, its use is cheaper due to the absence of third parties, this makes it a much more profitable payment option compared to other currencies or traditional means of payment, especially when used to make purchases over the Internet or even when it is decided to make payments in physical stores or commercial premises.

**How to run**

#Step to be followed to execute project

**->Download or clone repository**

**->Open folder in command prompt**

**cd <open location path>**

**->run npm install**

**->launch localhost:3000**

**->launch landing.ejs**

#step to connect Ethereum

-> add chrome extension Metamask

-> create Ethereum wallet account

#steps to connect Ganache

-> install Ganache application

-> create a workspace

-> connect Ganache server with project localhost

**how to run full project with web3 config**

**->Download or clone repository**

**->Open folder in command prompt**

**cd <open location path>**

**cd <open location path>/Full Project with web3 config**

**->run npm install**

**->run truffle migrate --reset**

**->run npm run dev**

**->launch localhost**