ShikBitcoin is the simplest way to buy, sell, store and spend bitcoin

* Motivation/Objective of the work
  + Decentralized system
  + Cryptocurrency and their market trend – Bitcoin, Litecoin and Etherium are highly rated technology that can be used as a payment network and digital currency
  + Loss values and never recovered cryptocurrencies
* Related work / background study
  + Mt. Gox failure
  + Coinbase (GDAX) limitations
    - There are more than 2.1 million Coinbase user today, out of which, more than 70% Coinbase account holders are located in the US.
* Outlining of own approach/method/algorithm
* Main results of own project
  + Comparison among the coin with graphical representation
  + Currencies in aud, usd, and other on the same platform
* Discussion/Evaluation of own work
* Conclusion and Reflection of own Work

|  |  |
| --- | --- |
| Motivation | Objective |
| Decentralized system  Highly rated Technology | Easy to use for users  All at one place  Be the leader in cryptocurrency transaction websites. |

* Related Work
  + Coinbase (GDAX) with limitation
* Background Study
  + Mt. Gox failure
  + Problems facing by customer

**Krishna INTRODUCTION** – Cryptocurrency is most valuable market trend and it is improving day by day basis. It is decentralized system.

**Krishna Background study** – The Gox failure(became very famous till 2014 and exit the market in 2016) and user are facing problem with security but that is not our concern here. The second thing user need in a website is the attractive and user friendly. The third thing is to get everything they should know before getting involve in the transaction.

Now a day, users are getting distracted by lot of stuffs which they cannot use without prior knowledge of the graph. The used is used everywhere and users has to calculate the differences by themselves.

**Krishna Objective** – We focused on the problems users are facing while using any cryptocurrency website. Users can use our website easily. Get the live data such as, comparison between the cryptocurrency, The rate in aud, usd and …, . When new exchange comes to the market, is pushing the older exchange out of the market – because, they all are coming with some drawback which result to failure.

Coinbase (GDAX) mainly allow customer to trade in USD, for the user from outside United State, are worried about the current conversion rate and would find it difficult to trade. Our product will give the advantage for customer to trade in any currencies they want like, USD, AUD, SGD and many more.

**Scott The technology we used**

PM:

1. Agile Methodology - the most suitable model for web development, as designing a website, requirements can be changing all the time. Since the last 11 weeks, by using agile, our group members work on a series of “sprints” during each week, easier to track back in order to adopt changes.

Technical:

1. Js - the extension JavaScript library we have been using is similar to D3.js called AmCharts.js, which is more focusing and more helpful in creating dynamic, interactive stock exchange charts.
2. APIs - BitNode for the map showing real time transaction, GDEX for everything else for example trade history, real time order book.
3. Mongodb - as backend database, all data used in our charts are JSON format, which is the data format that Mongodb is using.

**Scott The results**

By using the appropriate management strategy, our project is always on track.

Benefiting from the APIs, our charts are informative and reliable, for example:

1. trade history of past one year can be visualized in a candle chart (has the ability to view a specific timestamp),
2. real time trade data plotted in areas, it is also able to view the data points as nodes flashing on a map showing the city names,
3. and price comparison charts based on the three cryptocurrencies we are monitoring (Bitcoin, Ethereum and Litecoin);

Isaac The demo

**Harry Conclusion** – The website is easy to use and proper use of graph will surely attract lot of customers.

Map – showing the bit node around the world so that user can easily identify the best case to uy/sell their cryptocurrency.

Comparison -

**Harry Future Work** – The security we liked is the security used in Coinbase. They are getting the passport verification or driving licence verification for access. We would suggest to use verification process such as,

The mobile application would be very useful when user can connect as they go.

The transaction process which is not implemented now on our website would be the easier and very helpful for the users.

The conversion to any currency and allowed customer from around the globe to trade.