Blockchain based decentralized wallet

Project Proposal

Session 2018-2022A 4th Year Student

A project submitted in partial fulfilment of the

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of

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# Introduction:

My mobile application project is a blockchain based digital asset holding app often referred to as a digital wallet or crypto wallet. It is a platform that allows its users to store there digital assets in a more secure way. This is like a bank for digital assets where beside saving there assets users can send and receive the crypto. It secures every account by providing users a security key that is only known to that particular user not even the developer of application can access the secret key because of the nature of decentralization in blockchain. Basically decentralized applications are directly connected to blockchain and all the interaction happens through there and no 3rd party can access it until unless the security key of a person is revealed or stolen. In 2017 there was a big change in space of blockchain and most of it’s change was on Ethereum blockchain but now in 2021 there are a lot of new blockchains that are believed to be better more secure, faster and cheaper than Ethereum, and my wallet will be based on one of the most hot blockchains of now-a-days called **Avalanche** chain.

# Why this app ?

* Blockchain is on the rise now-a-days.
* It is a better more secure and faster way to save your assets.
* There is a lot of scope in this field.
* It makes transparency every transaction can be seen online on blockchain.

# Features:

* Register.
* Login.
* Perform transactions.
* View balance.
* Send an asset of avalanche chain from one address to another address.
* Receive an asset to your address.

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# Related work:

Following are some apps that behave in the same way as mine:

1. **Metamask:**

<https://metamask.io/>

1. **Eidoo:**

<https://eidoo.io/>

1. **Coinbase wallet:**

<https://wallet.coinbase.com/>

## Comparison:

|  |
| --- |
| Sending assets. |
| Receiving assets |
| Login |