

Main Features

Blockchain

Blockchain, which has a chain structure conforming to blocks, is a distributed database system that provides translated sale shadowing.

Blockchain technology offers data sequestration with the capability to securely store the information it contains. In order to change the data contained then, you need to get a blessing from other blocks. This activates the evidence medium as much as the number of blocks. therefore, the system ensures that the data is safe by precluding any good or vicious action that may come from the outdoors.

Crypto-currency

The purpose of cryptocurrencies is to serve as a medium of exchange for money in order to safeguard financial transactions, restrict the production of new ones, and confirm the transfer of assets. In an attempt to replace traditional currencies with a more secure alternative, cryptocurrencies were developed. It belongs to the family of virtual currencies as well.





Crypto Wallet

A cryptocurrency wallet is an account with software, hardware, and the owner's private key that may be used to purchase, sell, and (in most cases) sign transactions for the NFTs that were introduced to the world with the first cryptocurrency, Bitcoin. On a blockchain, private keys serve as account identifiers. Public and private keys are present in all crypto wallets.

NFT

NFTs, known as non-fungible tokens, are digital assets and a unit of data stored on the blockchain that are not interchangeable because they are unique. NFTs are digital artifacts such as photos, videos, and GIFs.

By creating NFT, you can produce your own works of art and can easily buy and sell well-known works in the virtual environment and earn passive income from it.



Current Technologies

In field of Crypto-currencies, many examples can be said, such as Bitcoin, Ethereum, Tether, FTX which filed for bankruptcy during 2022, and many more.

In field of Crypto Wallets, there are many different wallets, such as Metamask, Binance Wallet, Phantom Wallet, and many more. There are many different NFT albums available in any NFT marketplace. Artists selling their art to a random kid selling his/her super rare card collection as an NFT collection. There are many examples out there.





Languages & Libraries

.NET Framework

The .NET Framework (pronounced as "dot net") is a proprietary software framework developed by Microsoft that runs primarily on Microsoft Windows. It was the predominant implementation of the Common Language Infrastructure (CLI) until being superseded by the cross-platform .NET project.

Nethereum Libraries

Nethereum is the .Net integration library for Ethereum; it simplifies the access and smart contract interaction with Ethereum nodes. It is compatible with all the major operating systems and is tested on mobile, desktop, cloud, Xbox, hololens, and Windows IoT. Nethereum is great for Web3 development.

MongoDB

MongoDB is a cross-platform, free and open-source document-oriented database program. MongoDB, a NoSQL database program, employs JSON-like documents with optional schemas. MongoDB was created by MongoDB Inc.

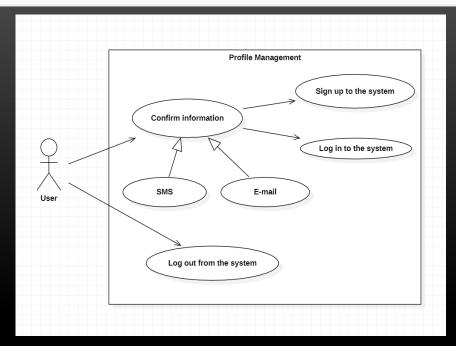
Solidity

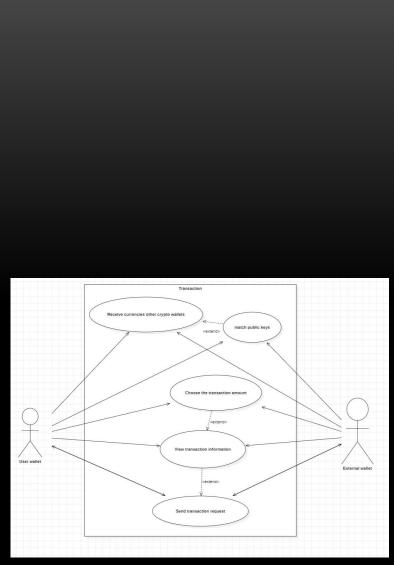
Solidity is an object-oriented programming language developed by the Ethereum Network team specifically for building and designing smart contracts on Blockchain platforms. It is used to create smart contracts in the blockchain system that implement business logic and generate a chain of transaction records.

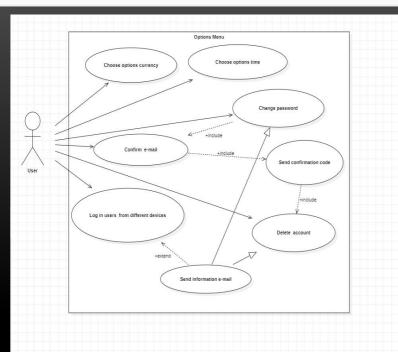
EIP-20: Token Standard

The following standard enables the use of a standard API for tokens within smart contracts. This standard provides basic functionality for transferring tokens and approving tokens so they can be spent by another on-chain third party.

Use Cases







Project Work Plan

Cryptocurrency, Transaction and NFT creation		24.10.2022-28.10.2022	31.10.2022-4.11.2022	7.11.2022-13.11.2022	14.11.2022-18.11.2022	21.11.2022-25.11.2022	28.11.2022-2.12.2022	\$.12,2022-4.12,2022	12.12.2022-16.12.2022	18.12.2022-22.12.2022	26.12.2022-34.12.2022	2.12023-4.12023	9.1.2023-13.1.2023	16.1.2023-20.1.2023	21.1.2023-27.1.2023	
Start Date: 26/10/2022	para serango	-, 1	WEX !	MEECS	MENU	WEEK A	WEXE	WEEK &	1667	MEEKS	MEKS	WEEK 10	WEDG-11	W55X-12	WCCX-13	WEEK-14
Literature Review	Team	11 November 2022														
8R8	Toam	9 December 2022														
Project Webpage	Team	16 December 2022														
Software Design Description	Team	30 December 2022														
Project Report	Team	6 January 2023														0
Project Tracking Table/ Form	Team	6 January 2023														
Presentation	Team	23?? January 2023												1		
	1 30												-			
	Things to do															
	Worked on															
	not worked on													į	1	
	After deadline															



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