

BLOCKCHAIN SCIENCE AND TECHNOLOGY

CS581 Course Project

Group Name: Cryptogeeks

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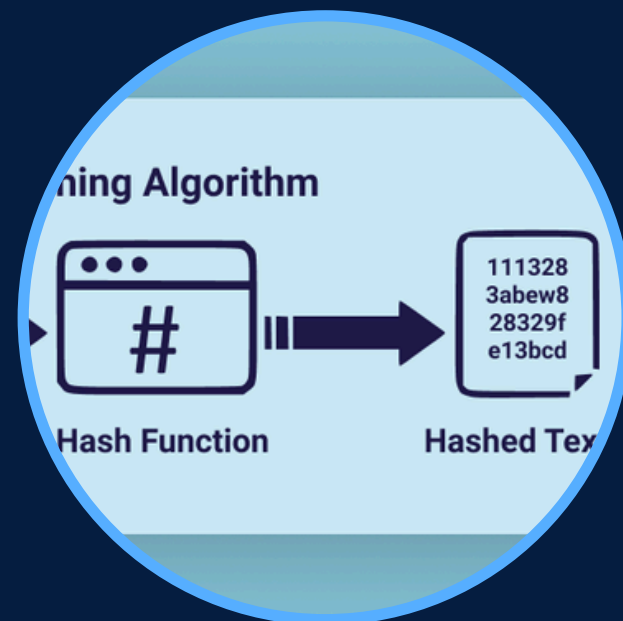


INTRODUCTION

Throughout the history of economies, humanity has explored various means of facilitating value exchange. From the ancient barter system and the use of coins and gold to more modern methods like cash, credit cards, and online payments, each form has had its limitations. Whether it's the inconvenience of bartering goods directly or the centralized control inherent in traditional currencies, there have always been drawbacks.

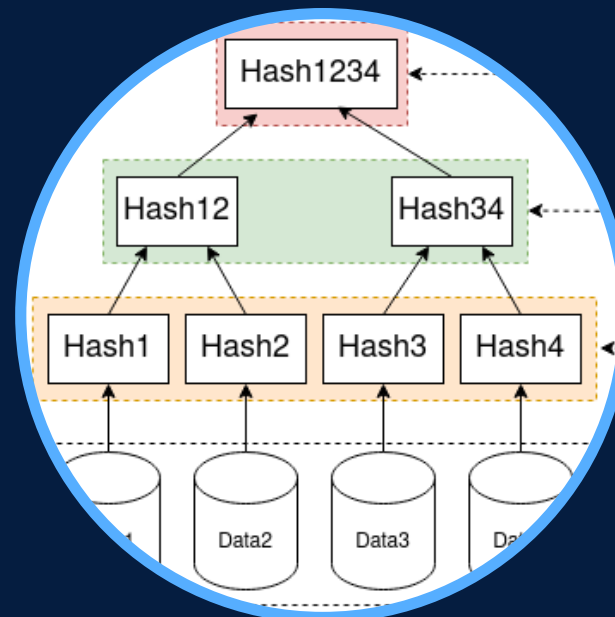
Cryptocurrency, built on blockchain technology, presents a revolutionary solution to these age-old challenges. By leveraging decentralization and cryptographic security, cryptocurrencies offer a new paradigm for currency exchange that is both convenient and resistant to centralized control.

OVERVIEW



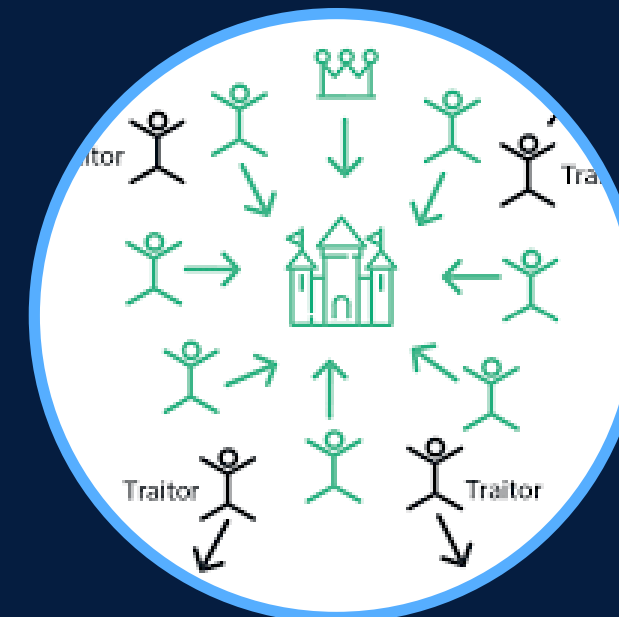
Cryptographic Primitives

Hash Functions, Digital Signature Scheme



Block Structure

Merkle Trees



Consensus Algorithms

Dolev Strong Protocol



Thankyou

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