//code maybe needed to show evidence

//existing product

//Braven + resource linking

The delete function should

Fully implement blockchain structure and technology

Such as majority voting, 51% attack

Delete function for message accidentally sent

Single Sign On feature

# Research

Social Media and Forum is obviously a profound impact to our daily life. However, the problem of censorship and collection of user data has become more savage. Beside of censorship, the privacy of user is also a concern of social media. There are over 70% people feel and strong feel that social media is a thread to our

We all have faced the problem of the management of tech lead like facebook, Instagram, twitter and tiktok. The over censorship of speech from this company is just like how china ban all the oppositite comment toward the government.

Non-removable and more safety on the internet. Just like bitcoin. You can be totally anonymous by receiving or paying money by bitcoin wallet instead of having a bank which issue your credit card.

To produce a better forum experience for the, I used ajax to perform a normal form post request.

It definitely raise my awareness after the political issue and conflict. I understand the importance of having freedom to post and talk.

because people can be talking freely and without delete a comment. People have to be more carefully what they are saying and the action.

Bitcoin as a famous successor of blockchain cryptocurrency implementations which ben

Another example is blockchain social media.

To successful, LIHKG is a popular

blockchain integration like proof of work and encryption implement into my project

## Why Blockchain?

The reason of implement blockchain technology into my project because of its open source and data will be keep forever.

## Case Study

## Forum – Lihkg.com

It is a forum which is mainly for hong konger like 4chan and reddit. It simplity and the web interface is what I would gather from them. It is a good platform but it limit to the people who has a broadband or university student in hong kong.

it is easily attack by hacker because of it’s centralisatioin of data and the website. Sometimes it will goes down for swerval hours. All data is stored in a centralized server which has a risk of shutting down.

## Blockchain Case Study - Bitcoin

Bitcoin is a powerful and very influential blockchain founder which provide a secure method for payment instead of credit card. Using Bitcoin allow you to do a payment online and not access by the bank.

## What is (a) Blockchain?

The structure is split into different block and organied in a linear sequence. A reference to a block inside a blockchain. Each node has its own copy of the blockchain and sync with nodes that have the same database. 1[[1]](#footnote-1)

## Minimising Block Times

Faster performance and sql.

JSON is implemented by javascript

awareness of (social media (tech giant) taking control over the privacy and the data they have)

# Design new one

Website / Blockchain storage separate

I would like to asymmetric but the content is visible to everyone. It is unnecessary to add a asymmetric because the content are publicly available and it is unnecessary to add a

## Block architecture

It is checked and update by its index. The index is the only thing check the blockchain version as it must be in linear order so index is uesful

I have renamed transaction into content as it fits into the context I am creating. Blockchain’s index is always in order so that hashing is stay the same. Also, it can prevent modification and data skew as the hashing check the whole data and its integrity.

It is basically the same as the old one. However, hash variable and email has been removed due to the user are only able to comment while they are logged in and the hash variable which stored inside the block will change the hash key generated by the hash function. To make sure it can correctly validate and check. The hash is removed from the old design

File storage is inside the get\_comment call from the socket. It is just for not all client are online or data from one client maybe modified, the data still needed to be store inside the server for data retrieved from client.

For login and registration and the post detail, I use the traditional HTML post method to make sure it can safely transferred like TCP which can receive callback from the receiver. but not UDP in socket.io

## Network Protocol

TCP/IP is the protocol commonly used in network connectivity. It has the standard of allocating the ip address to each individual user to identify and locate the user whoever connected to the internet service.

Socket io is king of a websocket which elimate the request like ajax, and create a single connection to the client which reduce the server workload and increase the reliability of data integrity of sending and receiving.

## Peer to Peer

It plays a vital role in blockchain as the concept of it is to store a copy on each user and the data could hold permanently even though the server is down

Disk saving

The whole website is rely on centralized database. Because the website itself needs a URL (address) for people to connect .

Implement with cookies, llocalstorage, indexed database, jQuery, socket.io, crypto-js cdn

<https://dev.to/sadarshannaiynar/blockchain-using-nodejs-and-socketio-5gbe>

. The user will need to be able to create a user, create a post and make comment to the post inside the school network.

Client server communication

Clear aims and target audience

To create a website for New Hall Student to share their life and academic without

3-5 outcome => must achieve to be successful. Measurable, plan your project based on those

Creating a successful arteface

Appearance , font layout and photo eye catching

一張含有 桌 的圖片

自動產生的描述

一張含有 文字 的圖片

自動產生的描述

1. The midas touch of blockchain: Leveraging it for data protection [↑](#footnote-ref-1)