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## Computer Science Projects

### 1. Kyama

#### Description

Kyama is an open-source, decentralized platform built on the Ethereum blockchain where members can access low-risk unsecured loans while earning interest on savings.

It is targeted on being an investment platform with a low barrier to entry and a relatively high return on investment as compared to traditional banking interest rates.

Kyama is developed to resemble a Pooled Investment and Shares organization where members are able to invest and gain ownership of a percentage of the total investment or income. Members are then able to autonomously act as creditors to other users of the platform who borrow a percentage of the total investment pending repayment of the principal amount with interest. The platform, being decentralized, has allowed it to be structured in a manner that lenders have an indefinite loan repayment period while posing minimal risk to the creditor's investment.

#### Publications

- Medium:  
<https://medium.com/officialkyama/a-loan-you-never-have-to-repay-7a610a97f46a>

#### Deployment

- Kyama is open sourced on GitHub through the link:  
<https://github.com/officialKyama>

## Link

- Kyama: <https://kyama-web-client.herokuapp.com/>

## 2. African Blockchain Initiative

### Description

African Blockchain Initiative (ABI) is a student run ed-tech venture promoting education and knowledge about blockchain technology and cryptocurrencies in the African continent. There is huge information gap about blockchain between Africa and other continents. Our vision is thus to bridge this wide information gap and foster understanding of blockchain and the impact it could have in transforming the continent. We achieve this through our four tools and services:

- The Crypto-Simulator: A simulated experience of the cryptocurrencies trading market seeking to build practical learning of this relatively new market through virtual money trading.
- ABI School Chapters: We create institutional blockchain and cryptocurrency club in universities or high schools which we service with weekly content to teach members about blockchain technology.
- Basic to Pro Blockchain Course: A non-technical blockchain course that takes beginners/dummies to pros about blockchain technology and its use in industries other than just finance.
- ABI Blog: Get updated with content about blockchain, cryptocurrencies or any news in the market through our blog articles, videos or podcasts.

### Publications

- African Leadership Academy:  
<https://www.africanleadershipacademy.org/blog/african-blockchain-initiative/>

### Deployment

- The ABI Crypto-Simulator has been deployed through the Heroku platform.

- The ABI Blog has been deployed through the WordPress platform.

#### Links

- ABI Crypto-Simulator: <https://www.abiview.herokuapp.com>

### 3. OpenFarm

#### Description

OpenFarm is a web and mobile application that allows farmers to directly sell their products by linking them with customers in their area. Through this platform, farmers and customers can trade without the need of middlemen.

#### Deployment

- OpenFarm has been deployed through the Heroku platform

#### Links

- OpenFarm: <https://limitless-lake-25261.herokuapp.com/>

### 4. Stock Market Charting App

Alias: Stock Checkr

#### Description

Stock Checkr is an online stock market charting app where one can view graphs displaying the recent trend lines for each added stock. One can add stocks by their symbol names and also has the ability to remove an added stock. Changes in the stocks added and removed are viewed in real time with minimal delay.

## Deployment

- Stock Checkr is open sourced on GitHub through the link:  
<http://www.github.com/gerry101/Chart-The-Stock-Market>

## Link

- Stock Checkr: <https://arcane-dawn-76643.herokuapp.com>

## 5. Voting App

Alias: VoteBaz

## Description

VoteBaz is an online voting app where an authenticated user can keep his/her polls and come back later to access them. Authenticated users are able to share their polls with their friends. Users are able to see aggregate results of their polls. Users are able to delete their polls when they decide they don't need them anymore. Users are able to create polls with any number of items. Unauthenticated and authenticated users can see and vote on any poll.

## Deployment

- VoteBaz is open sourced on GitHub through the link:  
[http://www.github.com/gerry101/voting\\_app](http://www.github.com/gerry101/voting_app)

## Link

- VoteBaz: <https://protected-stream-20715.herokuapp.com>

## 6. Book Trading Club

Alias: Shelf

### Description

Shelf is an online book trading club where users can view all books posted by all users. A user can also upload a new book to the platform. A user can propose a book trade and wait for the proposal to be viewed and approved by the book author.

### Deployment

- Shelf is open sourced on GitHub through the link:  
<http://www.github.com/gerry101/Book-Trading-Club>

### Link

- Shelf: <https://warm-citadel-41286.herokuapp.com>

## 7. Fool-Trest

### Description

Fool-Trest is a Pinterest clone that allows users to authenticate with Twitter, link to images, delete images that they have linked to and see a Pinterest-style wall of all the images they've linked to. Users are also able to browse other user's walls of images.

### Deployment

- Fool-Trest is open sourced on GitHub through the link:  
<http://www.github.com/gerry101/Fool-trest>

### Link

- Fool-Trest: <https://pacific-meadow-90445.herokuapp.com>

## 8. Nightlife Coordination App

Alias: BarEa

### Description

BarEa is an online bar finding app where authenticated users can view all bars in their area. An authenticated user can add themselves to a bar to indicate that they will be going there. Authenticated users can also remove themselves from bars they no longer want to go to.

### Deployment

- BarEa is open sourced on GitHub through the link:  
[http://www.github.com/gerry101/Nightlife\\_Coordination\\_App](http://www.github.com/gerry101/Nightlife_Coordination_App)

### Link

- BarEa: <https://powerful-journey-29479.herokuapp.com>

## 9. Campgrounds Listing App

Alias: YelpCamp

### Description

YelpCamp is a campgrounds listings web app that allows authenticated users to create campgrounds for others to view and rate. Authors of campgrounds can update and delete campgrounds as they wish. Authenticated users can add comments to any listed campgrounds. Both authenticated and unauthenticated users can view campground listings and their respective comments.

### Deployment

- YelpCamp is open sourced on GitHub through the link:  
[http://www.github.com/gerry101/Yelp\\_Camp](http://www.github.com/gerry101/Yelp_Camp)

## Link

- YelpCamp: <https://floating-wildwood-98362.herokuapp.com>