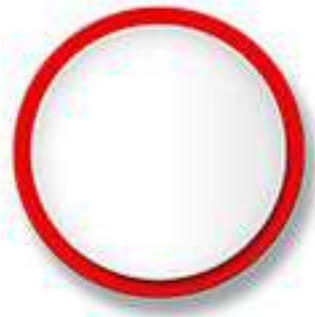


Token Transfer System

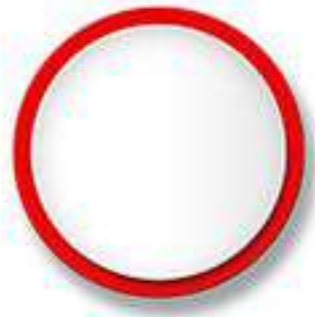
Technology



Token transfer systems is probably **most useful** application of the blockchain.



It establishes a **value and incentive allocation mechanism** for participants of any economic activity.



The following **rules** will ensure **long term success** of the token system.

1. The **demand** for tokens must be **higher than supply** at all times. This will ensure valuation gains.

2. The **operating expenses** withdrawn from the token system should be significantly **lower than valuation gains**, and must be very **transparent**.

3. There must **exist a free market** to trade in the tokens.



How to *execute* a token implementation

1. Create the end user use-case.
2. Create the incentive design for producers, investors and consumers.
3. Decide how will you tap operating expenses.
4. Find initial promoters and investors.
5. Implement the technology.
6. Open the token for trading.
7. Follow the 3 rules of safe operations.
8. Keep on operating the token system for years.



Some applications of the Token Systems

1. Token systems enabling time shifts of financial inflows
2. Student Token System
3. Personal Token System
4. Group Collaboration Token System
5. Proof of Concept Token Systems
6. Event Management Token Systems
7. Corporate Token Systems
8. VC and Incubator Token Systems

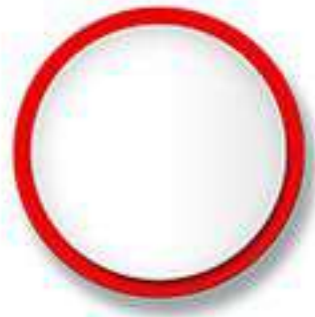


9. University Token Systems
10. Political Campaign Token Systems
11. Artist and Creator Token Systems
12. Disaster Relief Token Systems
13. International Labour Markets Token Systems
14. Transparent Charity Token System
15. Women and Minorities Empowerment Token Systems



In future every student should have his **own token system**, and get his close family and friends to invest in it.

As the student matures into an adulthood, he will **fund his education**, and be able to also **fund his own job** through a startup.



This will be a **very long term** token system, and the student could offer a part of his future income to his investors.

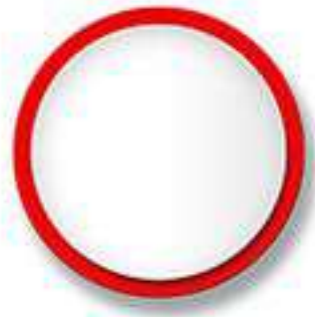


Thus the token system has provided **time shift** of the cash inflows from **future into present**.



Similarly an **individual token system** can potentially **replace** medical and health insurance or unemployment **insurance**.

Instead of paying premiums to an insurance company, the individual can **pay premiums to his token holders** who will fund his health emergency, or unemployment expenses.



Other than the basic investor - investee relationship management using token system, there could be **more relationships mapped into a token system.**

For instance
consumer - producer relationships,
and consumer - producer - investor
triad can also be managed through
the token system.

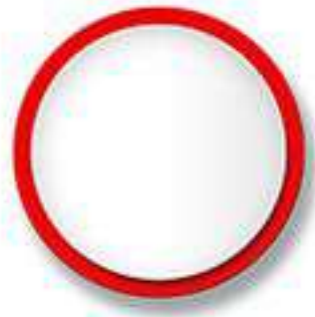


Once again, following relationships can be mapped by a token system.

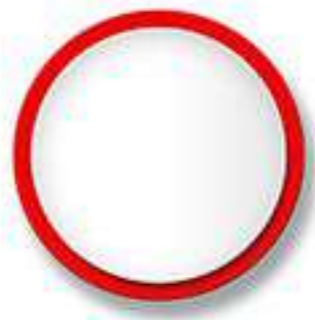
1. Investor - investee

2. Consumer - Producer

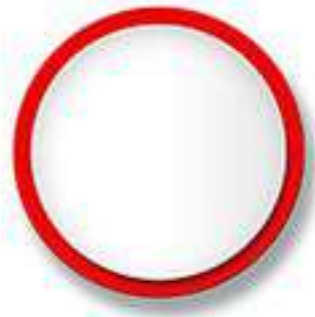
3. Consumer - Producer - Investor



Bitcoin is a token system of Investor
Producer relationship primarily, with a
fast growing expected consumption.



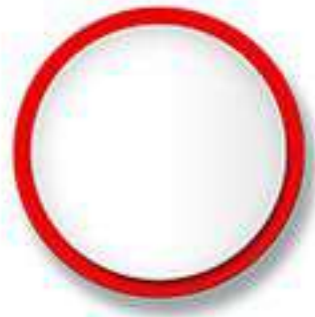
Ethereum is Consumer - Producer - Investor relationship mapped into its own token system.



To design a good application of a token system, **first** figure out what will be the **consumption**.



Then start thinking of who will **produce.**



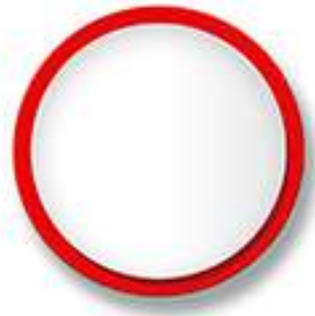
Then design the **incentives** of the investors.



A **personal token system** is a mass use case of the token system.

Every person can create a personal token system to shift his **future income into present day** tokenholders.

That will give him **relief from taking debt** for education, or medical emergencies.



Obviously not all personal token systems are equal.

But it will provide a **means of funding and publicity** to those people who can create greater trust in their token system.



A token system can also be created for **collaborative groups**.

And just like Facebook groups, some but not all of those token systems will take off.



Another class of usage of token system is **seeding a greater stock offer** or Initial Coin Offer as **proof of concept**.

Merchant bankers and large investors need some proof that equity capital raising company has buyers and backers for its idea.

A small token system can **provide that proof of concept**.



Another class of users of token system are **regular event organizers.**

They can use the token system to reward long term supporters.



A **VC or incubator** can use the token system for **identifying the candidates** which are most fundable.



A **university** can use **department wise** token system to find those departments which are most in demand.



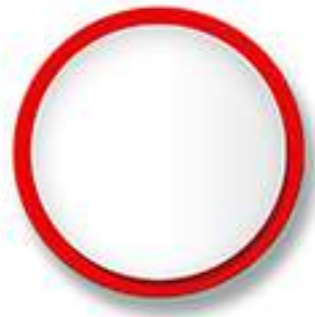
A **company** can use the token system for **gauging interest** in a new initiative, or for **finding out** which operation is not adding value.



Politicians can use token systems to fund campaigns.



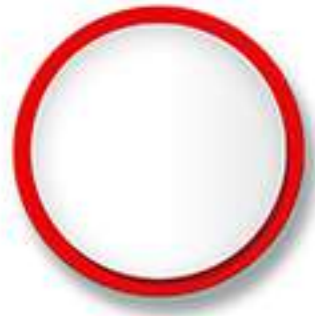
Artists and creators can use token systems for Patreon like funding, and acknowledging each contributor.



Token systems can also be used to
organize disaster relief.



Token systems can be used to create
new **international labor markets.**



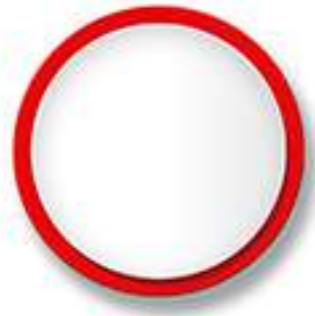
Token systems can be used to fund
long term innovations.



Token systems can also be used to
drive transparent charity.



Virtual **organizations can be funded**
through token systems.

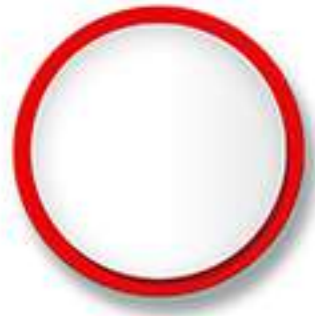


Women and minority **empowerment initiatives** can also be executed through token systems.



Implementation details of the token system

(An independent presentation that we did for our Twitter Account)



TOKEN TRANSFER SYSTEM ON FLO BLOCKCHAIN

CREATE TOKENS
TRANSFER TOKENS

Commands

```
CREATE 10 Million FROGWART#  
TRANSFER 500 FROGWART#
```

1. FLO Webwallet
to send the data in FLO Blockchain

<https://flo-webwallet.duckdns.org/>

2. FLO Scout
to see the balances

<https://ranchimall.github.io/floscout/>

TOKEN TRANSFER SYSTEM ON FLO BLOCKCHAIN

THE FROGWARTS



Andy has a band called The Frogwarts.
His band wants to go on a tour.
They decide to call the tour
Revenge of The Frogwarts 2020.

TOKEN TRANSFER SYSTEM ON FLO BLOCKCHAIN

THE PROBLEM



Andy's band is broke.
Andy decides to create a token
to fund the tour.

Investors buy the tokens.

TOKEN TRANSFER SYSTEM ON FLO BLOCKCHAIN

THE SOLUTION



If the Revenge of The Frogwarts 2020 tour is successful, the token holders get rewards!

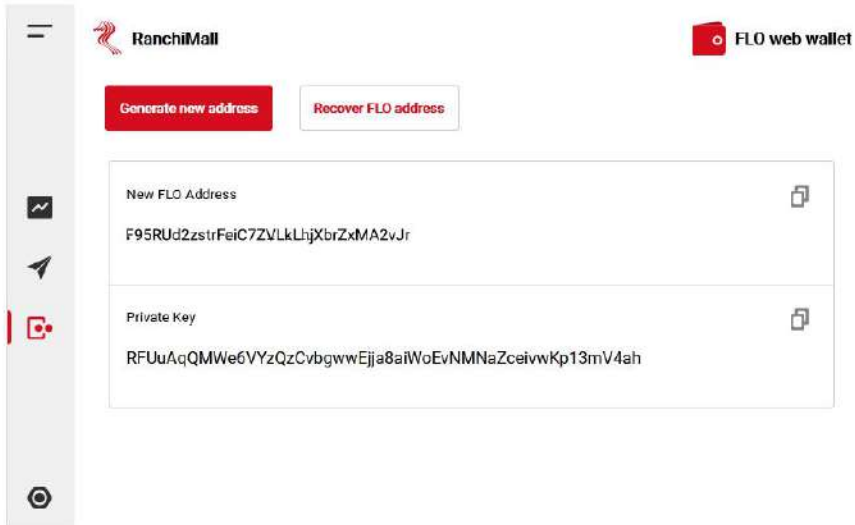
TOKEN TRANSFER SYSTEM ON FLO BLOCKCHAIN

LET'S GET A FLO ID



First of all, Andy needs a FLO Address.
It's easy.


Go to FLO Wallet -> 'Generate'
His FLO ID is created in one step.




RanchiMall

FLO web wallet

Generate new address Recover FLO address

New FLO Address 

F95RUd2zstrFeiC7ZvLkLhjXbrZxMA2vJr

Private Key 

RFUuAqQMWe6VYzQzCvbgwwEjja8aiWoEvNMNaZceivwKp13mV4ah

TOKEN TRANSFER SYSTEM ON FLO BLOCKCHAIN

CREATE TOKENS

Andy wants to create
10 million tokens.

Write a statement on your
FLO wallet:

```
"Create 10 million FROGWART#"
```

Send

Andy's tokens are created!



The screenshot displays the RanchiMall FLO web wallet interface. On the left is a vertical sidebar with icons for home, messages, location, camera, and settings. The main content area is titled 'RanchiMall' and 'FLO web wallet'. It features a balance display of 78.9930 xyz(s) with a note: 'To send FLO data, make sure you have enough balance.' Below this is a text input field containing the address 'F95RUd2zstrFeiC7ZVLkLhjXbrZxMA2vJr'. To the right, there are two more input fields: the top one contains the same address, and the middle one contains '0.005'. A large empty text area is labeled 'Create 10 million FROGWART#'. At the bottom right, there is a 'Send' button.

TOKEN TRANSFER SYSTEM ON FLO BLOCKCHAIN

FLO SCOUT



Andy's FLO ID is
F95RUd2zstrFeiC7ZVLkLhjXbrZxMA2vJr.

Let's verify that Andy's 10 million
FROGWART tokens were created.

Go to FLO Scout and search for FROGWART.

₹ RanchiMall



← Token

**FROGWART**Supply
10 000 000

Address

F95RUcd2zstrFeIC7ZVLkLhjXbrZxMA2vJr

Recent Balances

Recent Transactions

FVALNHGmWYQm9AEn1ZkPaFggdP
skD3LHg

100 FROGWART

FUBREJATk0Q3astv9D3ndAqyADz7
5xA

100 FROGWART

FM1KFP67CD7vWmEjC6rEjXRlq3bLx
Zf0

500 FROGWART

Fqgh3nJPAjKUT7dF5YRlyQXPaJ
4mEcb

200 FROGWART

TOKEN TRANSFER SYSTEM ON FLO BLOCKCHAIN

FLO SCOUT



Great!

```
FLO Scout confirms Andy has his  
10 million tokens on his FLO Address:  
F95RUd2zstrFeiC7ZVLkLhjXbrZxMA2vJr
```

TOKEN TRANSFER SYSTEM ON FLO BLOCKCHAIN

FLO SCOUT



Now he needs to sell the tokens to Investors.

He promises his investors that all gains from the Revenge of The Frogwarts Tour 2020 will go to the token holders.

TOKEN TRANSFER SYSTEM ON FLO BLOCKCHAIN

INVESTOR KATE



Kate, an investor and wants to buy 500 tokens.

Andy instructs Kate to generate a FLO ID
from her Web Wallet -> Generate

Kate's FLO Blockchain Based ID is
FM1KFPiG7CD7vWmEpC6nEjXKig3bLxZfh8

TOKEN TRANSFER SYSTEM ON FLO BLOCKCHAIN

TOKEN TRANSFER



Andy takes cash from Kate, and transfers 500 FROGWART# to Kate's FLO ID.

The command is
TRANSFER 500 FROGWART#
and Andy enters the command into the
FLO web wallet -> Send FLO Data



The screenshot displays the RanchiMall FLO web wallet interface. On the left is a vertical sidebar with icons for home, messages, location, camera, and settings. The main content area is titled "RanchiMall" and "FLO web wallet". It features a card for "Available balance" showing 78.9780 xyz(s) with a note: "To send FLO data, make sure you have enough balance." Below this is a text input field containing the address "F95RUd2zstrFeiC7ZVLkLhXbrZxMA2vdr". To the right, there are three stacked input fields: the top one contains "FM1KFPIG7CD7vWmEpC6nEjXKig3bLxZfh8", the middle one contains "0.005", and the bottom one contains "Transfer 500 FROGWART#". A "Send" button is located at the bottom right of the interface.

TOKEN TRANSFER SYSTEM ON FLO BLOCKCHAIN


INVESTOR KATE



Let's check the balance of Kate in FLO Scout.

Kate can search for her FLO ID
FM1KFPiG7CD7vWmEpC6nEjXKig3bLxZfh8
in FLO Scout and, yes, she has 500 FROGWART#


Recent Balances **Recent Transactions**

 Token Transfer
FROGWART

Sender
F95RUd2zstrFeiC7ZVLkLhjXbrZx
MA2vJr

Receiver
**FM1KFPiG7CD7vWmEpC6
nEjXKig3bLxZfh8**

Amount
500 FROGWART

Transaction ID
01f560d95e4d31b2dabba9b9fdb44ab91f6
93a65c0033b472c991a4ccaa3a9a 

TOKEN TRANSFER SYSTEM ON FLO BLOCKCHAIN

ANOTHER TRANSFER



Similarly, Andy can transfer 100 FROGWART#
to another FLO ID
FRtcsEGYQ3wbC6X31CT6NBe5D4ebovsg6b

Using the command TRANSFER 100 FROGWART#



RanchiMall FLO web wallet

Available balance

78.9780 xyz(s)

To send FLO data, make sure you have enough balance.

F95RUd2zstrFeiC7ZVLkLhXbrZxMA2vJr

FRtcsEGYQ3wbC6X31CT6NBe5D4ebovsg6b

0.005

Transfer 100 FROGWART#

Send

Recent Balances


Recent Transactions

 Token Transfer
FROGWART

Sender
F95RUd2zstrFeiC7ZVLkLhjXbrZx
MA2vJr

Receiver
FRTcsEGYQ3wbC6X31CT6
NBe5D4ebovsg6b

Amount
100 FROGWART

Transaction ID
01f560d95e4d31b2dabba9b9fdb44ab91f6
93a65c0033bb472c991a4ccaa3a9a 

TOKEN TRANSFER SYSTEM ON FLO BLOCKCHAIN

CREATE TOKENS
TRANSFER TOKENS

Commands

```
CREATE 10 Million FROGWART#  
TRANSFER 500 FROGWART#
```

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to send the data in FLO Blockchain

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to see the balances

<https://ranchimall.github.io/floscout/>

TOKEN TRANSFER SYSTEM ON FLO BLOCKCHAIN

ADVANCED FEATURES



The token transfer system
understands plain English:

INCORPORATE, START and CREATE.

TOKEN TRANSFER SYSTEM ON FLO BLOCKCHAIN

SYNONYMS OF COMMANDS

```
CREATE 10 Million FROGWART#
```

```
INCORPORATE 10 Million FROGWART#
```

```
START 10 Million FROGWART#
```

(All commands above will
have the same effect.)

TOKEN TRANSFER SYSTEM ON FLO BLOCKCHAIN

WORD ORDER

</>

The word order is not important

```
START 10 Million FROGWART#
```

```
10 Million FROGWART# START
```

```
FROGWART# 10 Million START
```

(All commands will
have the same effect.)

TOKEN TRANSFER SYSTEM ON FLO BLOCKCHAIN

ADDITIONAL WORDS

Additional words can be added for user clarity. Those words will be ignored by the system.

Valid Commands

```
INCORPORATE 10 Million FROGWART#  
for Revenge of the Frogwarts  
2020 Tour
```

```
START 10 million FROGWART#  
for Andy 2020 Tour
```

(There should be only one word with #, and only one number in the command)

TOKEN TRANSFER SYSTEM ON FLO BLOCKCHAIN

ADDITIONAL
WORDS

</>

FLO Blockchain works using
natural language experience.

Valid Command

I want to **START** 10 Million
tokens for **FROGWART#**

 RanchiMall  FLO web wallet



Available balance

78.9930 xyz(s)

To send FLO data, make sure you have enough balance.

F95RUd2zstrFeiC7ZVLkLhjXbrZxMA2vJr

0.005

Incorporate 10000000 tokens for FROGWART#

F95RUd2zstrFeiC7ZVLkLhjXbrZxMA2vJr

Send

☰ RanchiMall FLO web wallet

Available balance

78.9930 xyz(s)

To send FLO data, make sure you have enough balance.

F95RUd2zstrFeiC7ZVLkLhjXbrZxMA2vJr

0.005

Lets start 10 Million coins for FROGWART#

F95RUd2zstrFeiC7ZVLkLhjXbrZxMA2vJr

Send

 RanchiMall  FLO web wallet

Available balance

78.9930 xyz(s)

To send FLO data, make sure you have enough balance.

F95RUd2zstrFeiC7ZVLkLhjXbrZxMA2vJr

F95RUd2zstrFeiC7ZVLkLhjXbrZxMA2vJr

0.005

I will CREATE 10 Million tokens for FOGWART#

[Send](#)

TOKEN TRANSFER SYSTEM ON FLO BLOCKCHAIN

SYNONYMS OF COMMANDS

TRANSFER command can be given
using TRANSFER, GIVE and SEND

Valid Commands

```
TRANSFER 500 FROGWART#  
GIVE 500 FROGWART#  
SEND 500 FROGWART#
```

TOKEN TRANSFER SYSTEM ON FLO BLOCKCHAIN

WORD
ORDER

Order is not important.

Valid Commands

```
GIVE FROGWART# 500  
500 FROGWART# GIVE  
FROGWART# GIVE 500
```

TOKEN TRANSFER SYSTEM ON FLO BLOCKCHAIN

ADDITIONAL WORDS




Additional words will
be ignored by the system.





Valid Commands

```
I want to SEND 500  
FROGWART# to Harry Potter
```

```
TRANSFER 500 FROGWART#  
to my girlfriend with love
```

```
(There should be only  
one number and only one #)
```

 RanchiMall  FLO web wallet



Available balance

78.9880 xyz(s)

To send FLO data, make sure you have enough balance.




F9JjrBpNvyos29FV5sTHTd9GVfaobfuHTc




0.005

Send 100 FROGWART#

[Send](#)

F95RUd2zstrFeiC7ZVLkLhjXbrZxMA2vJr

 RanchiMall  FLO web wallet



Available balance

78.9830 xyz(s)

To send FLO data, make sure you have enough balance.




FKghBhJPAjrkUTt7dFSYrRLyQXPoJ4mEob


0.005

Give 200 FROGWART#

F95RUd2zstrFeiC7ZVLkLhXbrZxMA2vJr

Send

 RanchiMall  FLO web wallet



Available balance

78.9780 xyz(s)

To send FLO data, make sure you have enough balance.




FM1KFPIG7CD7vWmEpC6nEjXKig3bLxZfh8

0.005

Transfer 500 FROGWART#

F95RUd2zstrFeiC7ZVLkLhjXbrZxMA2vJr

[Send](#)

 RanchiMall  FLO web wallet

Available balance

78.9730 xyz(s)

To send FLO data, make sure you have enough balance.




FU3REdATdk3Spskvv8D3NdAtyiADrZ75xA


0.005

Give to Harry Potter 100 tokens of FROGWART#

F95RUd2zstrFeiC7ZVLkLhjXbrZxMA2vJr

[Send](#)

 RanchiMall  FLO web wallet



Available balance

78.9680 xyz(s)

To send FLO data, make sure you have enough balance.

F95RUd2zstrFeiC7ZVLkLhXbrZxMA2vJr

FVALNH2xwYQmrRuEb1ZKPaFggdPaktDLHg

0.005

Send 100 coins of FROGWART# to Ashley

Send