

# Grace-The Marketplace for Kindness

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# Problem

While the bulk of cases never reach the public domain, fraud and corruption is increasing, and is affecting NGOs operating in both the North and the South. So insidious is it, that unless action is taken to manage it, the moral authority that the non-profit sector currently enjoys will soon be reduced to a thin veneer, which if splintered, has the potential to undermine the (public) trust on which the industry is built.

News · Investigations

## \$1.4B tax scams nail donors

Canada's coffers have been cheated of more than \$1.4 billion by scams that provided taxpayers with inflated charitable receipts they used to reduce their income tax.

the **guardian**

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**Working in development**

Five reasons donors give for not funding local NGOs directly

Dhananjayan Sriskandarajah

EDITION CA

NEWS POLITICS BUSINESS LIVING PARENTS VIDEO BLOGS MORE

**HUFFPOST**

THE BLOG

People Love Viral Giving Campaigns (But They Don't Donate)

© 04/12/2016 04:40 EDT | Updated 04/13/2017 05:12 EDT

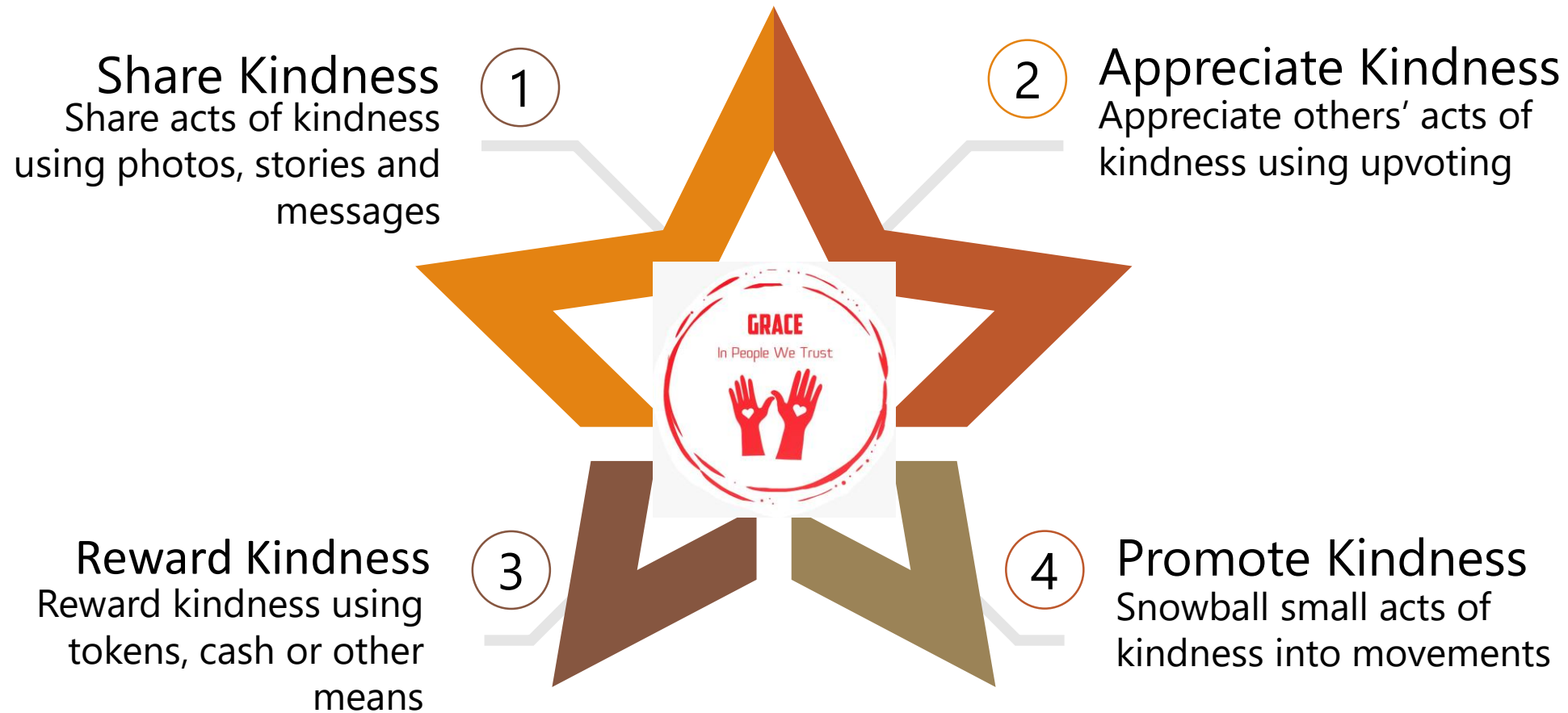
# Granular look at the problem

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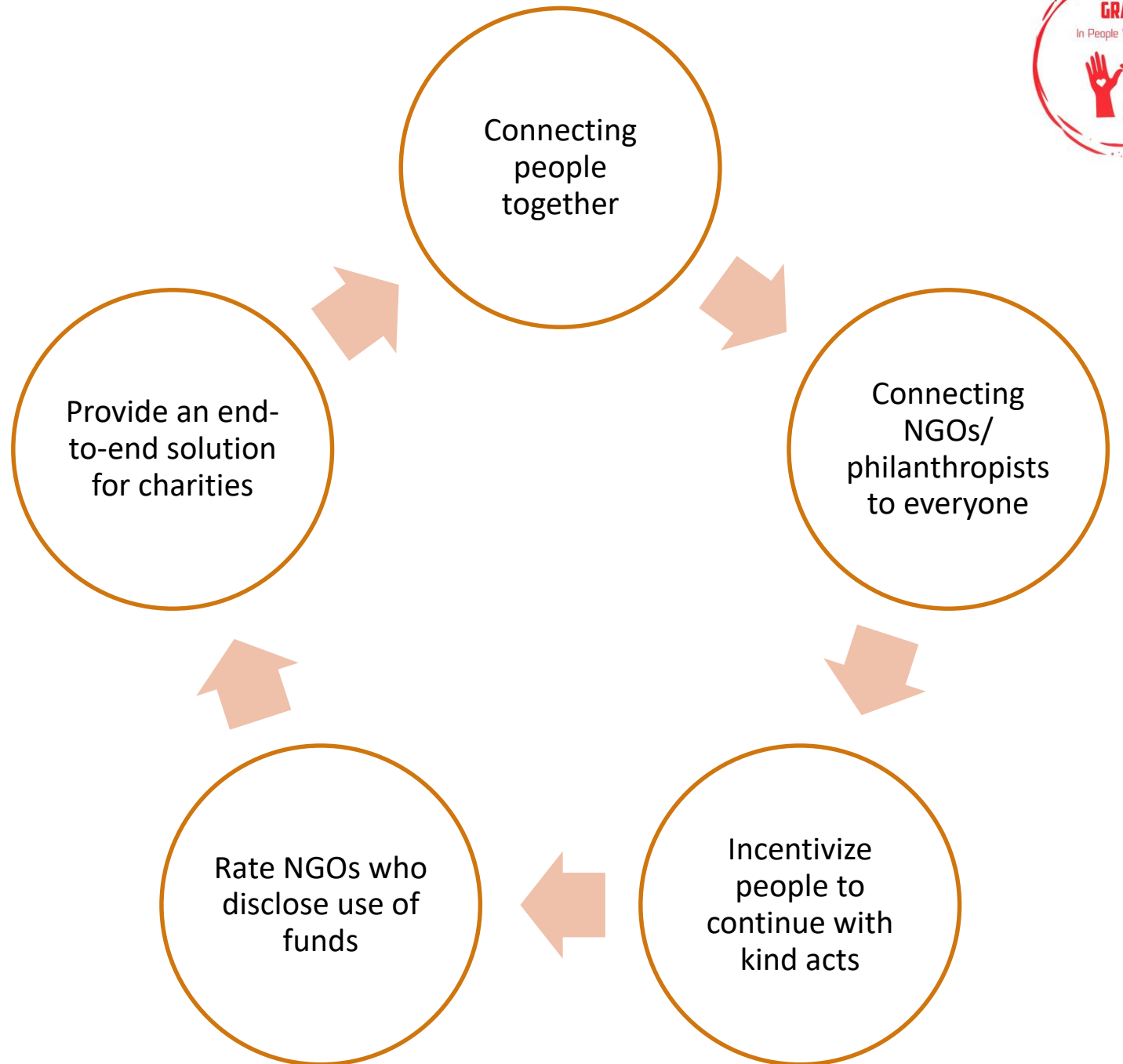




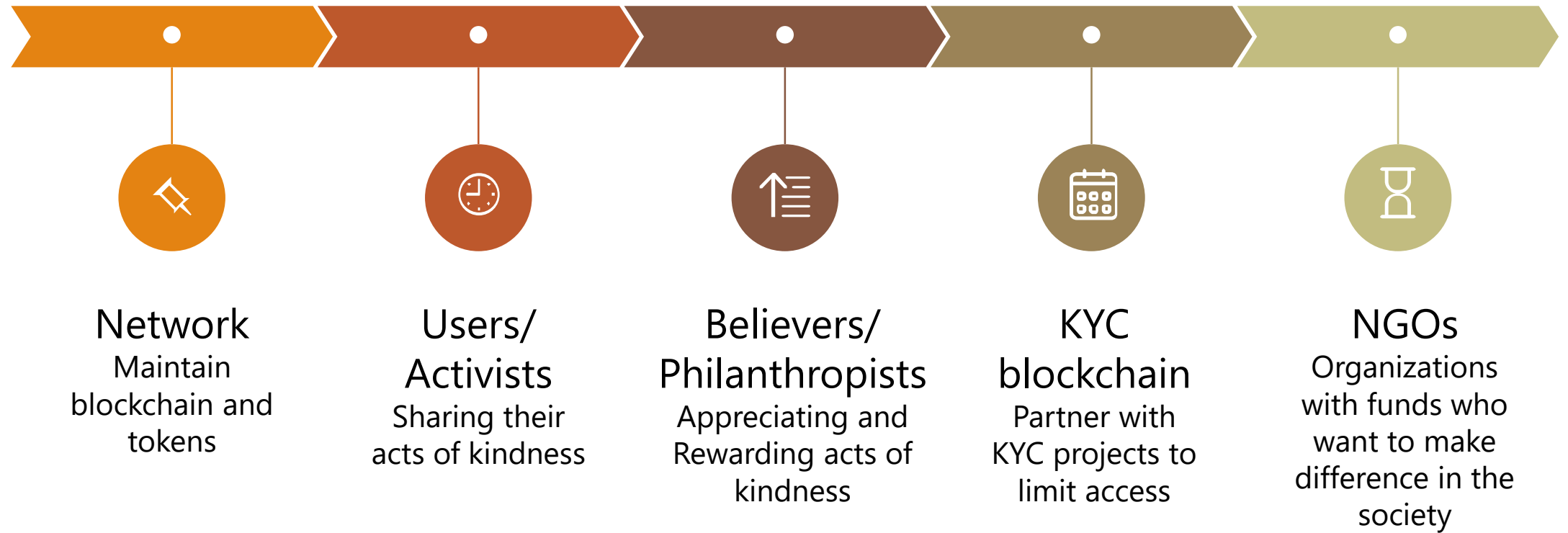
# Marketplace for Sharing Acts of Kindness



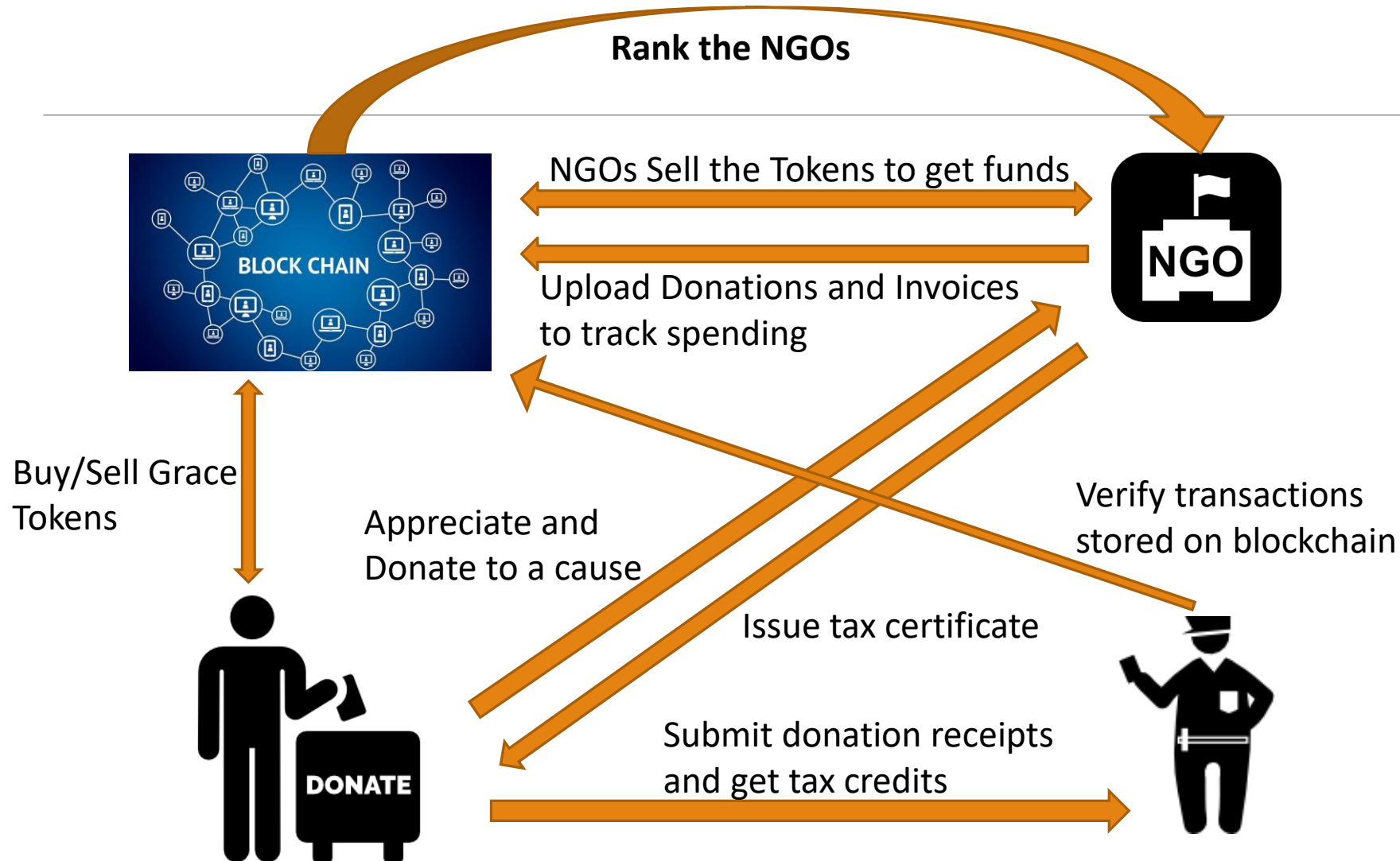
# Rationale



# Stakeholders



# Workflow





# Why Grace Token

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Complete  
traceability of  
tokens transferred



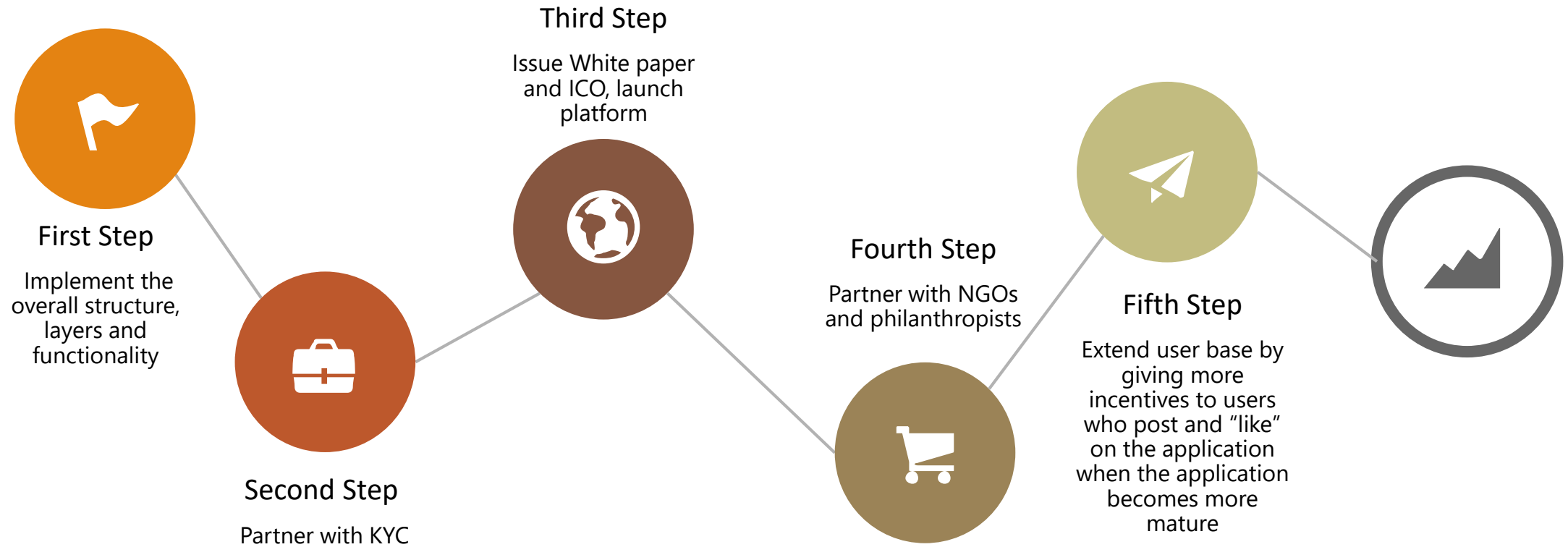
Value of token  
linked to the dollar



Financial details like  
account number  
need not be  
disclosed



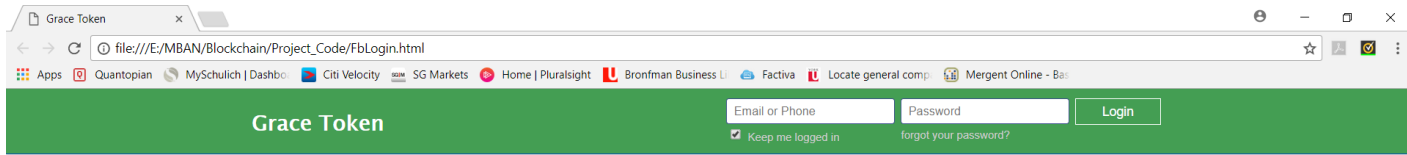
# Roadmap





# Appendices

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Share your kindness to the world  
around you

Be an activist or believer.

First Name

Last Name

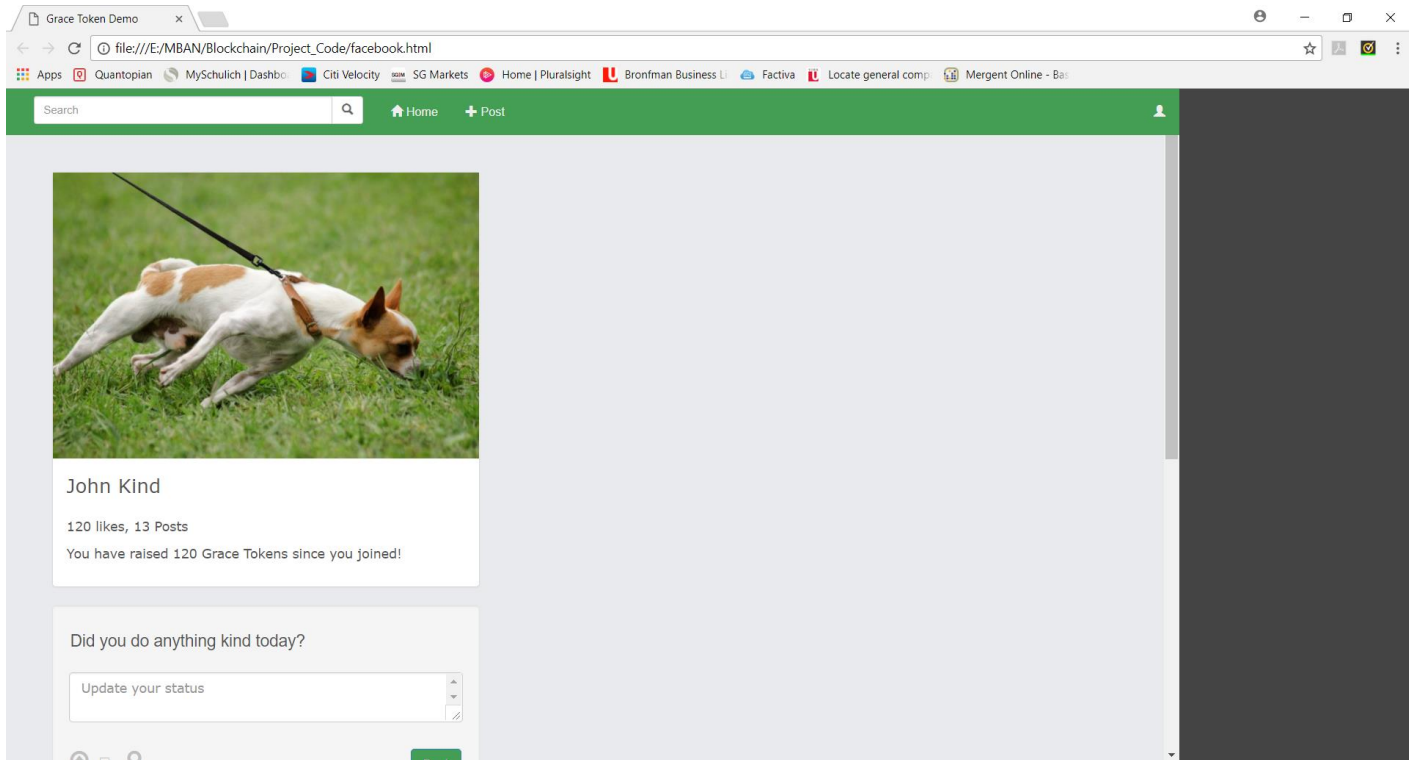
Your Email

Re-enter Email

New Password

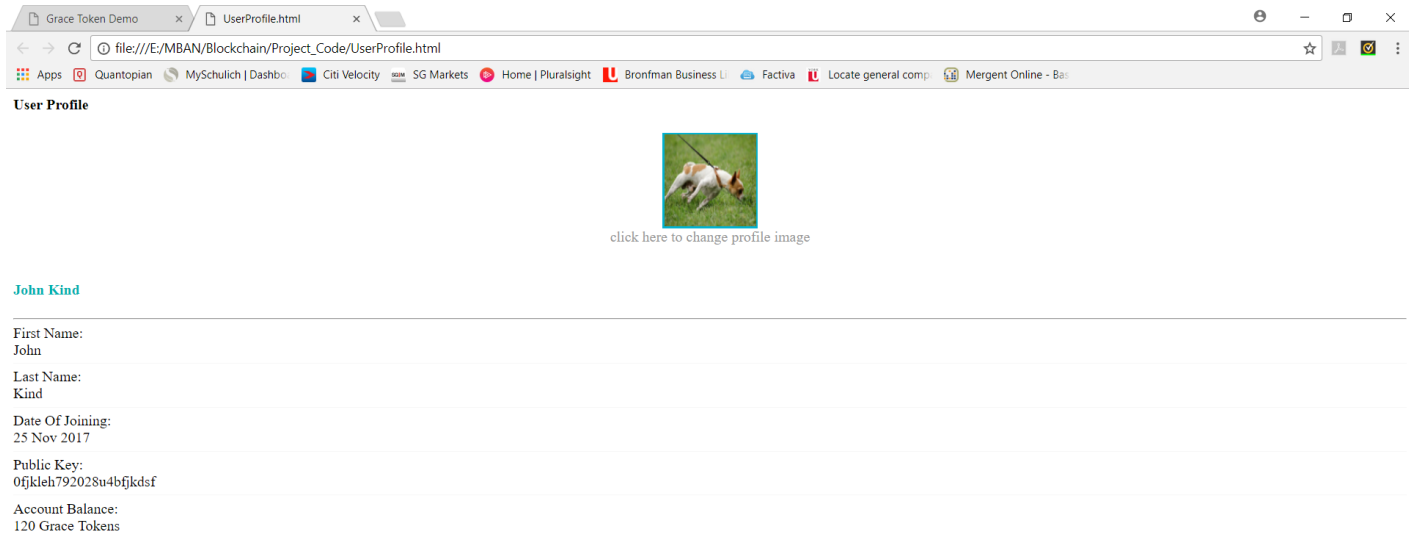
# Screenshot – Landing Page

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# Screenshot – Newsfeed

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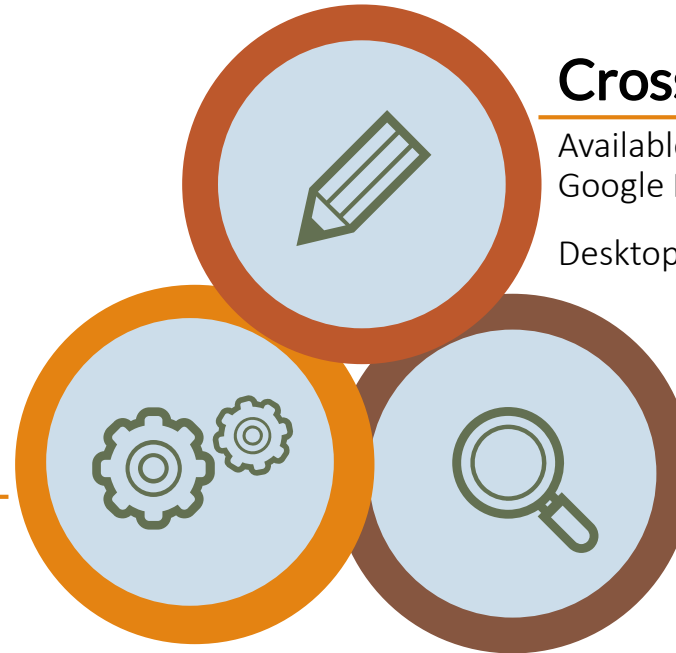
# Screenshot – Account Details

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# User Experience

## Front End

React Javascript library will be used for building user interface



## Cross Browser Platform

Available to download on iOS App Store and Google Play Store

Desktop app for Windows and Mac users

## User Registration / Login

Register with email, username and password

Mobile/SMS verification to filter people with genuine interest

Registration confirmed after the phone verification via the blockchain

# User Interaction

## Messages

Along with instant messaging, ability to send tokens within the chat  
End-to-end message encryption

## Media (Photos/Video)

Affordability and Speed of access  
key decision points  
Media storage to be safe, redundant and decentralized



## Followers

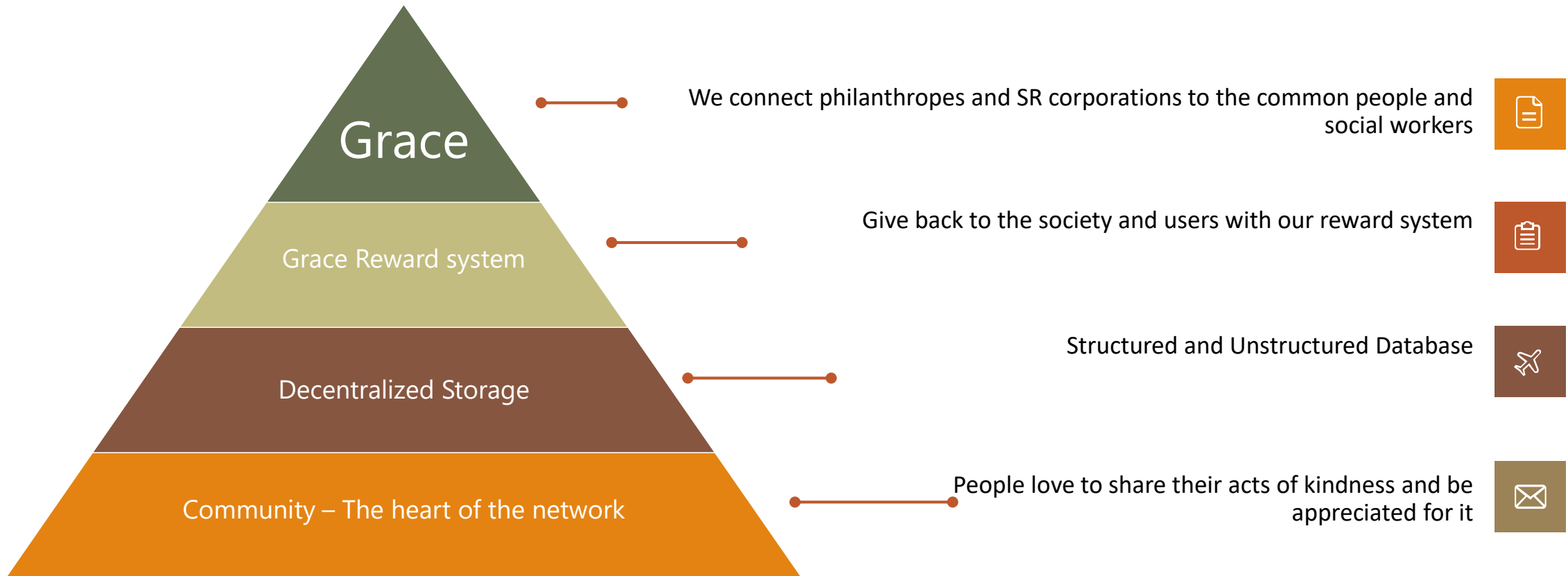
Each user can be followed by unlimited amount of users  
The users with higher number of followers will be given moderation rights

## Live Streaming

To increase the impact of the platform, we will provide the facility to stream live



# Ecosystem/Technology







# Tech Stack

Grace

Grace Reward System

Processing / Frameworks (Web3.js)

Decentralized Cloud Storage for photos,  
videos and text (IPFS)

Decentralized Database (Zero Knowledge)

# Database Management

## Database

- Distributed Database including decentralized control, immutability, and creation and movement of digital assets
- Legally binding contracts may be stored directly on blockchain
- For example, BigChainDB - scalable blockchain database powering IPDB

## Privacy

- Safeguard users control to their account and data privacy
- Standard controls – public visibility, follower control



# Risks and Mitigation

Risk Number	Risk Description	Likely to Occur	Severity	Mitigation Plan
1	Fraud posting - users post pictures to "earn" tokens rather than doing real kind things	Medium	Medium	Suspend account
2	Not enough user acceptance	Medium	High	Look for feedback and improve the application
3	Blockchain security/privacy	Low	High	People will not be able to get personal data from our application, data breach is impossible on the application side
4	Hard fork due to contract update	Low	Medium	Transactions will all be moved to the new chain