Communicator

Whitepaper

v0.1

Communicator is a decentralized, lovely and funny messenger project for the Ethereum blockchain and other blockchains/sidechains/platforms. It will have 3 tokens: Communicator Token (COMM – the main token to buy the other assets), Communicator Day (DAY – one token burnt everyday per user) and Communicator Power (POWER - with crypto collectibles including the Super Stickers, based on the ERC-721 Ethereum proposal).

It aims to be a full-featured friendly instant messenger (IM) for teenagers, adults and non-blockchain users.

For teenagers: it will come with funny stickers, Super Stickers (crypto collectibles based in the ERC-721 standard), colored/multiform chat balloons, multiple themes support (free and COMM token paid themes), photo reactions, some of MSN's design elements and in-window P2P chat games.

For adults: acts as dialer/SMS/modem dialer app and can trade commands between your devices (such as reply a SMS from PC or from PC send a link to your phone).

For non-blockchain users: no costs in GAS needed, embed chat groups to put in your site/blog, exchange/send tokens to other contacts and built-in Ethereum wallet.

Draft v0.1

Apr 2018

⬚ Features

Colored chat balloons

Users can pick a color from a pre-defined set to apply to every balloon (and/or make a default of his balloons).

With the tokens, user can:

- Apply your own HEX color
- Apply a border and set his color

Introduction

User can express his feelings or the meanings of the message with a color.

Setup

When setting up the app, user will be asked which color he prefers to be default in his balloons, and if wants to disable this feature (disabled balloons/colored balloons just in his messages, in other's messages or in the whole app).

Also the CEO is thinking in a programmatic feature to change the balloon's color according to events, such as: the balloon form used, the user's status (online, busy, away), etc.

In the message input, user will have a button to choose the message's color.

Colors

There will be a set of . pre-defined colors available to apply in balloons, without needing to use the tokens: ■ #393, ■ #c00, ■ #f6c, ■ #06c, ■ #774c14 and ■ #cc5200. Also user can turn the chosen color as the default.

Feature

User can disable colored balloons or all balloons just in his messages, in other's messages or in the whole app.

Use of tokens (POWERs)

User will have the possibility to buy individual colors or the Balloon Hex power (that is more expensive).

With the Balloon Hex, users can apply any color to his balloons by using HEX color codes. With the Balloon Border power, users can apply a border of max 20 of size, and this power works with the Balloon Hex (no need to buy another power to apply colors to the balloon border).

Introduction

Without the need of any power, user can have some balloon forms to express in which tone he is talking.

Setup

When setting up the app, user will be asked if wants to disable this feature (just in his messages, in other's messages or in the whole app).

Programmatic usage for this balloon type is also planned.

In the message input, user will have a button to choose the balloon's form.

Forms

- Default
- Citation
- Thinking
- Whisper
- Shout

Use of tokens (POWERs)

The Shout balloon form have a border that doesn't needs the Balloon Border power and can be colored with the Balloon Hex power. These forms can be colored using this power like is possible in the Default balloon.

User can talk in public chat rooms/groups and in private chats for free. The user is only charged in Ethereum GAS/GWEI if he opts for registering the message in the blockchain. It is useful for a proof of timestamp, copywrite registration, etc. User can also register images and other attachments inside his messages, then the SHA algorithm will generate a file hash to be registered. This registration gives to user a beauty certificate of ownership to be store in the app.

Chat room/group owner can set the chat history to be stored in the servers or in the admin's devices. Users automatically stores

messages from private chats in his devices (they can disable it) and can also store messages from chat groups.

Introduction

User can show his real expression in a message by using his own photo taken at the moment of the message. Avatars with reactions have a greater size.

Setup

In the message input, user will have a button to choose the photo reaction that will appear in the avatar.

Previous used photo reactions are stored and user can pick the most used reactions.

Programmatic usage for this balloon type is also planned.

Use of tokens (POWERs)

It will be compatible with the Animated avatar power.

Multiple themes

Not only the default background, but you can apply advanced themes that changes all the look of your messenger.

Introduction

CSS themes that can change the look and feel of Communicator. User can also edit those themes, changing his colors, backgrounds and other properties (good for both users that understands about CSS and for who not).
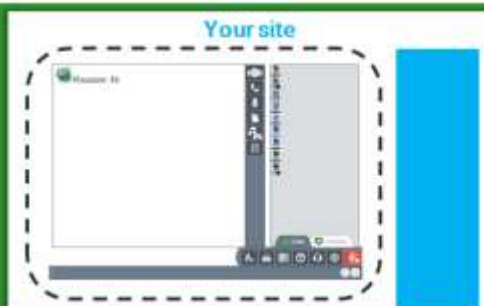
Setup

When setting up the app, user will be asked which theme he prefers to be the default. A set of pre-installed themes will be shown.

Feature

Users can assign a theme for every contact in private chat.

Use of tokens

There will be a theme marketplace where users can purchase free and paid themes using COMM tokens.

Introduction

User who is in a chat room can copy his embed code and put in a site/blog. Chatip is the name of the embed version of Communicator. Also the user can get social buttons (like a "Chat with User").

Setup

User simply clicks in any chat room/private message and gets the embed code. In embed chat rooms, visitors will have a button to create his own chat room.

Prototype

It is available to tests in this link.

Introduction

User can send assets to any other user or exchange.

Setup

In the message input, user will have a button send COMM tokens, Days, Powers or Super Stickers.

Feature

User will can exchange with himself his own days/powers, or exchange all the app tokens with other users.

Introduction

Communicator uses its own utility assets (tokens) to give access to app features/goods. COMM and DAY are both ERC-20 tokens, while the POWER is a ERC-721 token.

Communicator Token (COMM)

The main token of Communicator. Is a ERC-20 token used to buy Days, Powers, themes, Super Stickers and other digital assets used in the app.

Communicator Power (POWER)

Is a ERC-721 token that represents the powers. Powers are special features that are only available by purchasing with COMM tokens, and they are active while the user have DAY tokens in his wallet.

Communicator Day (DAY)

ERC-20 tokens that represents how many days the holder can have his powers active (works like a subscription).

DAY tokens needs to be cheap. User can buy any amount of days he wants.

Every day one DAY token will be burnt per each user. For sample, if we have 5.000 token holders, 5.000 tokens will be burnt in one day. If a user bought 600 DAY tokens yesterday, today he have 599 tokens and tomorrow 598 tokens.

If the DAY token's price gets so much expensive, users will get a limit of token amount bought per day. After it, if the value returns to be expensive, other workarounds will be done.

Note: it is yet an initial concept. Changes and improvement suggestions from the community are welcome.

List of powers

- Balloon Hex
- Balloon Border
- Animated avatar
- Wink
- Status
- Automatic messages
- Name glow
- Name color

Introduction

You probably have a app row in your phone, but it is cluttered and you can't put more apps (camera, social network, etc). Communicator can reduce this cluttered design by having SMS and dialer in just one app. In PCs it can also dial for mobile connections.

Setup

When setting up the app, user will be asked to put his phone number for confirmation. After confirming the number, Communicator will ask to be the default dialer and SMS app.

Introduction

Super Stickers are stickers with more features than the default stickers.

Feature

They are animated stickers that can also play sounds. With the Wink power, the Super Stickers appears in full screen.

Every Super Sticker have its own DNA (genome) and can breed. Also they will can battle, when this feature be implemented.

Setup

In the message input, user will have a button to pick a Super Sticker. Some Super Stickers will be unlocked while the use of the app.

User can disable the exhibition of Super Stickers: all, as Winks, playing sounds, etc. If user disables this, he also can't send this type of Super Sticker.

Use of tokens

Super Stickers are part of the POWER token and can be bought using COMM tokens.

No need to buy additional powers to have features in the Super Stickers.

P2P games

You can open a list of games in your message/group window, then play games such as: drawings, tic tac toe, mines, etc

Introduction

In your group/private message window, a button can open a list of games to be played with other users.

Feature

User can add more than one contact, and a temporary group will be created for the game round.

Setup

In the message window, user will have a button to pick a game. The app will come with pre-installed games, and other can be downloaded for free or purchased with COMM tokens.

Use of tokens

Maybe we could accept games that offers Communicator's tokens.

Introduction

User will can trade commands between his devices (such as reply a SMS from PC or from PC send a link to your phone).

Features

- Can send messages
- Can attach links and other files to message
- Receives notifications from other devices
- Read and reply to SMS from any device in lists
- Receive call notifications and can accept or reject, also can talk from any device

I know that this whole project and site are being designed by just me and without impressive images and amazing animations, and now is just a few people in the team. It can raise some alerts and doubts.

2011 I started this project as "Plasmmer Messenger/Peeper Messenger" projecting his features and in 2013 I created his icon/color (that is still today) and renamed it to Communicator. And in April 24 2018 I started this project as a ICO.

Some people in groups where I talked about Communicator, called it as "scam" without even reading about. Then here are some answers about the risks.

In the ICO, the funds will not be sent to me (Daniell Mesquita) and not even sent to Communicator, but to our partner CoinLaunch. They will act like an escrow. And after the end of the ICO, CoinLaunch will send the raised funds to the ICO wallet that I created.

So the risk here is that the project don't succeed (investing with conscience and research is your responsibility), can't achieve his soft cap and/or for when the funds will be sent to Communicator's wallet after the end of ICO.

If the project don't achieve his minimum thresholds, the amounts will be refunded to buyers by CoinLaunch according to his Refund Policy. Then, in this step, you don't need to trust Communicator's team, but in the project and in CoinLaunch.

Reading with more attention, the risk in this part is that after the ICO, the funds will be sent to Communicator's Ethereum wallet (which I have access). So only join this ICO with so much sure and research, it's your sole responsibility.

I'm doing some researches about the team, ICO campaign, the contract (since a Reddit user has recently found a vulnerability in the ERC20 protocol), airdrop, the Communicator Day token and his daily one token burn per user, the Communicator Power token linked with powers as crypto collectibles, bounties, etc. Also I need to write the Whitepaper, in a early stage. Please help these questions in our threads: Questions for the community and Bounty for community's initial help.

Kindly regards,

Daniell Mesquita - CEO of Communicator.

Team

Daniell Mesquita
CEO
UI/UX Designer

Brazil

In 2011 started developing and in 2012 launched and began managing his own social network called Peeper, but closed it in Oct 2014 due to server expenses. No known positions in companies and not a famous interpreneur, just is starting his first ICO.

Riyadul Islam
Bounty manager

Bangladesh

Large experience on managing bounties in BitcoinTalk.
Birthdate: 01-March-1998
University: International University of Business Agriculture & Technology Studying at Computer Science & Engineering.

Working prototypes

Chatip (embed version of Communicator - not documented): https://github.com/CommunicatorMessenger/Chatip. Prototype created by Daniell Mesquita.

Roadmap

Simple roadmap for now

- Improve the site (English revision, design, infos, buttons, pages, etc.)
- Post jobs on AngelList
- Get team members from the community
- Begin the pre-ICO

Complex roadmap

2018 Q2 (Apr-Jun)

- Bounty, referral, signature/avatar and airdrop campaigns
- Pre-ICO
- Advertising

2018 Q3 (Jul-Sep)

- Creation of the DAY token (ERC-20)
- Updated Site, Whitepaper, Roadmap and Team
- Automated bounties (Twitter, Facebook, Reddit, etc.)
- Updated embed version prototype

- New prototypes (mobile, PC, web app, torrent version)
- Registered entity
- ICO
- Distribution of COMM tokens (the main token, ERC-20) from ICO and campaigns
- Decentralized exchanges listing

2018 Q4

- Creation of the POWER token (ERC-721)
- Exchange's listing
- Merge the apps/codes into a single ReactJS app
- Launch of mobile, PC, embed and web apps

2019 Q1

- Launch of torrent and Ethereum apps

Note: this roadmap is subject to changes.

Online version of this roadmap is available at:
https://cdn.knightlab.com/libs/timeline3/latest/embed/index.html?source=1IpyG2W_qbn7yKqvbJ0RcrII6K2ek52-L79Q-W5PnQ8I&font=Bitter-Raleway&lang=en&timenav_position=top&debug=true&hash_bookmark=true&initial_zoom=2&height=650#event-communicators-roadmap.

FAQ - Frequently Asked Questions

Who is behind Communicator?

For now, is just the designer/CEO (Daniell Mesquita), the bounty manager (Riyadul Islam) and the Ethereum smart contracts developer (Iceman). We will find more team members while the project spreads to people with his campaigns.

The tokens are available?

For now, the tokens are being assigned in spreadsheets, but not distributed. Tokens will be generated and distributed after the ICO.

Where is the ICO?

Before the ICO we will run a pre-ICO. The pre-ICO will be announced soon (In 2018 Q2) so stay tuned in our [social networks](#).

In the ICO, can I purchase COMM tokens using FIAT?

Our ICO will be in CoinLaunch, and only Ethereum will be accepted.

When exchanges?

After the token distribution event, the tokens will be tradeable in decentralized exchanges that supports putting contract address in the URL (such as EtherDelta). We will announce all the links for those exchanges. After it, other exchanges will be planned.

The app will be available for what platforms?

Communicator will be available for Ethereum (as decentralized app), Android (watch, phone, tablet, TV and for Toshi app), iOS, Tizen, browsers (Progressive Web App, Chrome, Firefox, Brave and for MetaMask extension), other networks and PCs (MacOS, Linux, Windows). In all built apps, a Ethereum wallet with Communicator's token support will be included.

About the unsold tokens?

Unsold tokens will be burned by CoinLaunch, and if the ICO doesn't succeeds, the raised ETH will be refunded.

These colored balloons are irritating me in this site. And in the Communicator?

You will have an option to disable colored balloons on messages you sent (this change will be visible to others or only for you) or disable all balloon's colors.

Can I earn Days and Powers?

At the moment, we are issuing only COMM tokens, but events regarding the other assets are in plans. You will can exchange COMM tokens for Days and Powers in the Communicator's Marketplace.

Chat bots will be available?

Of course, yes. Any other feature you already know will be available.

What are Communicator use cases?

Instant messaging or voice/video calls with business connections, family, friends and other contacts. Make websites more attractive and engage discussions with embed chat (Chatip). An more funny messenger for keep teenagers connected. Send tokens for help or show your appreciation. Use it as both SMS, phone and modem dialer app. Collect, breed and show crypto collectibles using Super Stickers. Connect your devices with messages/commands.

Are you planning any partnerships?

With CoinLaunch, BountyHive, ibera.io, ICO/bounty/airdrop lists, wallets and exchanges. Other partnerships can be discussed.

How Communicator differs from the competition?

Communicator brings new possibilities with his brand new features and the use of his tokens. Samples are: powers, personalized and multiform chat balloons, no need of costs in GAS, instant photo reactions in the messages' avatars, multiple app themes for free or for token in a Theme marketplace, embed version, button for send tokens to friends, embedded ETH wallet to mainstream Ethereum, 3 tokens, multiple functions (SMS, phone, modem dialer, connect and send messages/commands to multiple devices), Super Stickers (breedable crypto collectibles), etc.

How tokens is used in Communicator?

Communicator uses its own utility assets (tokens) to give access to app features/goods. COMM and DAY are both ERC-20 tokens, while the POWER is a ERC-721 token. COMM is the main token, POWER token represents purchasable app features and crypto collectibles, and DAY token represents (as a subscription) how many days your Powers will work. DAY token holders will be called "Subscribers".

Can I sell things on Communicator?

Charging for COMM tokens you could sell: Super Stickers, themes, bots, etc.

Where can I store the app tokens?

They will be stored in the app's built-in Ethereum wallet. But if using the web app/decentralized app version, tokens will need to be stored in wallets like MyEtherWallet/MetaMask by adding custom token using Contract Address. You can also store the tokens on your Ledger USB device.

White Paper written by Daniell Mesquita, CEO of Communicator.

Latest edit: 05/01/18.