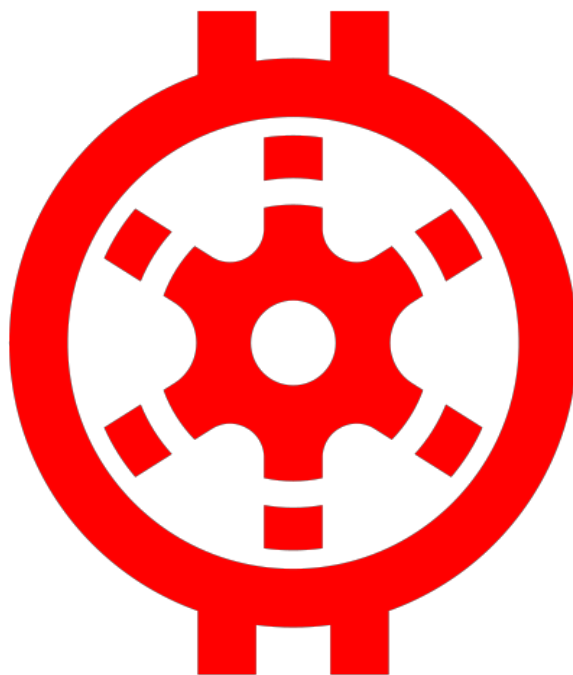By Thomas Berthiaume, programmer
Mention to Clara Caissy for revision of this paper

The Imperial Credits
Linking movie fiction with real world decentralize finance

WEBSITE: imperialdao.net
EMAIL: creditsimperial@gmail.com

Table of content:

DAO: *Decentralized Autonomous Organization*
Dapp: stands for Decentralized application
DWA: *Decentralize Web Application*
ImperialDAO: name of the organization, also the name given to our Dapp
Imperial Token, Imperial Credit, $CREDIT: crypto token of the Imperial DAO

ABSTRACT:

The *Imperial Credit* is the name of our project. Why have we chosen to call it like this? Well the answer is quite simple. As long time fans of Star Wars and due to our lack of creativity, we had very few ideas. Although one stood out to us and we thought it would be great to reference this in the name of my futuristic currency. So, to begin the presentation of my project, we need to rewind back to "a long, long time ago, in a galaxy far, far away known as the *Imperial Credits*..."

INTRODUCTION:

First of all, what we have created is a token, formerly known as the *Imperial Credit ($CREDIT)*. With this token, you can trade freely a non-centralized currency. While doing this you become part of something that unites two completely different worlds. These two are the well known movie universe and the new and evolving blockchain technologies.

As for the moment, only the Ethereum token is available, but it surely is part of the long term plan to one day, be on many more Blockchains.

As for accessing this new technology, the *Imperial Credit* application is a major part of the project. In fact, the Web-based D-app is letting anyone use the token at its full potential.

Since privacy is something that we highly value at *Imperial DAO ,* we make sure that anyone who wishes to use the Credits can do so on a totally safe platform guaranteed to protect 100% of the personal data and information.

Finally, because what we have created is a non-centralised platform we can assure this very high level of security that is not offered by other centralized applications thanks to The Imperial DAO. This stands for the Decentralized Autonomous Organization that is managed and controlled by the Credit holders.

1.1 THE TOKEN:

The idea behind the $CREDIT is simple: a non centralized currency that lets users perform transactions on D-Apps (like buying shoes, or bidding on collection objects) with privacy and security.

 The token itself is based on the ERC-20 format for Ethereum Smart Contract, which was coded in Solidity, meaning it lives on the Ethereum Blockchain.

At ImperialDAO, our goal is to represent the famous *movie* currency while creating a token that has tons of utilities and which is and will continue to be reliable in the future.

To go along with the token, we created our decentralized app that lets wallets who own some of the currency use and manage their Imperial Credits.

1.2 CODE:

The Token is a classic <u>mintable</u>/burnable and ownable smart contract. The entire code is in Solidity and the token is stored in a public Github repository so everyone can see the program. The code is compiled using Solidity v0.8.7 and deployed on the ethereum Mainnet .

~mintable: capacity to be mint (and not mine) to a fix quantity at the start of the project that we call total supply
~Mainnet: the Mainnet is the most used chain of Ethereum

1.3: TOKENOMICS:

There will be 2 billion (2 000 000 000 *$CREDITS*) Imperial Tokens minted at the beginning of the project. We are also planning on burning tokens, just like other big crypto projects, but that will only happen when all tokens are on the market. Finally, the $CREDITS will reach a total of 5 decimals.

2.1 THE DAPP:
We have also created a Dapp in order to make using the token easier. The ImperialDAO *DWA* lets the token holders use their Credits at their full potential.

In fact, The ImperialDAO will provide a lot of new functionalities** like a special NFT (Non-Fungible Tokens) bazaar, or a real-world collectible auction where you can place bids on items that are being sold. (You will be able to learn more on that in the TECHNOLOGY section) . All release dates concerning this feature will be available on the website.

** functionalities that are not classic token swaps (exchanges) , token lending and others

2.2 USER EXPERIENCE:

The web-based application will have three important sections.

First of all three is the home page. This is where the user lands on their first visit to the site. It contains a lot of information about the token and the project.

The second section is the profile page (you will be able to learn more on that in the TECHNOLOGY section) but to summarize this is where the user can configure and personalize their Imperial Account as well as interact with other accounts. The account is just like a decentralized profile or identity.

 Finally, the Market page is where the user can use their $CREDITS for buying and selling products (All of the technical functionalities of the Imperial Market will be described in the user and developer documentation) .

2.3 PLATFORM:

For now, the ImperialDAO is only a web application, but we expect to launch a mobile version for easier access on personal devices. We will be using the Ionic framework SDK to transfer our React app into mobile and PC.

see: https://ionicframework.com/

3.1 WHY ETHEREUM?:

Before presenting the technology aspect of this project, which we consider the most important part, we want to explain to you why we chose the Ethereum blockchain for making this project.

We choose ETH over Bitcoin, BNB and any other chains because it's easy to use, has a lot of functionality and a big community. It is also easier to program on, thanks to solidity and Remix IDE ;) .

3.2 FUTURE:

At the moment, no changes are expected, but due to other ecosystems growing fast and bringing new functionalities , we may consider deploying the Imperial Credits on other blockchains.
*Note: No Imperial Blockchain will never be implemented.

4.1 TECHNOLOGY (in deep):

The ImperialDAO project D-app has particular functionalities that use a lot of new technologies.

Disclaimer:
Since this is Only the version 1.0 of the ImperialDAO, a lot of Functionalities that make the token special are not implemented yet. Please, look at our website plan section to see when all the features will be added to the ImperialDAO.

Note that, a lot of functionalities that are not implemented yet may be clarified in the user and developer documentation, also, a lot of new functionalities will be added to the ecosystem and described in future whitepapers.

4.2 THE UTILITIES:
The ImperialDAO is not only a digital currency, In fact, the most interesting part is the decentralized application functionalities, because those let holders use their tokens at their full potential.

There will be 3 main utilities of the ImperialDAO v1
*note that those may change in the future
1. The Imperial Market
2. The Imperial Actions
3. The Imperial Accounts

1: Imperial Markets:
We imagine an NFT market where everyone could sell or buy non-fungible tokens using the $CREDITS. So, everyone who has an Imperial Account could bid on other people's collectibles, share and sell their NFTs. We also plan on making our own NFTs that will unlock secret rewards and hidden features...

All the transactions are made possible by the Smart Contract which makes it a lot easier and safer for buying products in the decentralized market than in a centralized e-commerce such as Amazon since no personal information is required.

Finally, we are planning on making a much bigger Market that will let Account sell real world products while making all the transactions secure and private.

2: The Imperial Actions:
The Action feature is a control panel over your finances. You can see information about your transactions, friends and profit since you invest in the project for the first time.
You can also use the Chart feature to see your personal $CREDIT value over time. Finally, we are making a reward system that gives advantages to holders for a good use of their tokens.

3: Imperial Accounts:
Your security is our priority. That's why our third feature exists; to ensure the protection of your data. The imperial accounts are a type of account that don't ask you for an email or for a password. Using state-of-the-art technologies, the only thing you need is to connect your wallet and you are logged in. You are now free to use all the functionality while being able to manage your data and connect with friends using your pseudonym .

5.1 GOVERNANCE:
The ImperialDAO is a community powered application, so each holder will have a vote token which can be used to up or down vote ideas proposed by the users and the team. So, by buying the Imperial Credit, you become part of the decision making process of which new features will be added to the DAO. The Governance feature will be added once all the tokens are on the market.

5.2 TEAM:
20% of all the tokens are dedicated to the team treasury (400,000,000 $CREDIT). This 20% divide in 3 categories:
7 % marketing cost,
8% team members and
5% other spent (website, team hardware)

6 CONCLUSION:
To conclude this paper, the ImperialDAO is a Decentralized Autonomous Application governed by its users. The imperial Token is the token of this DAO. It has a lot of usages and functionalities that allow holders to use the Credits in a pseudo-anonymous way that gives them rewards for good usage. We also created a Web3-styled application on the web that lets holders interact with all of ImperialDAO's functions and features.