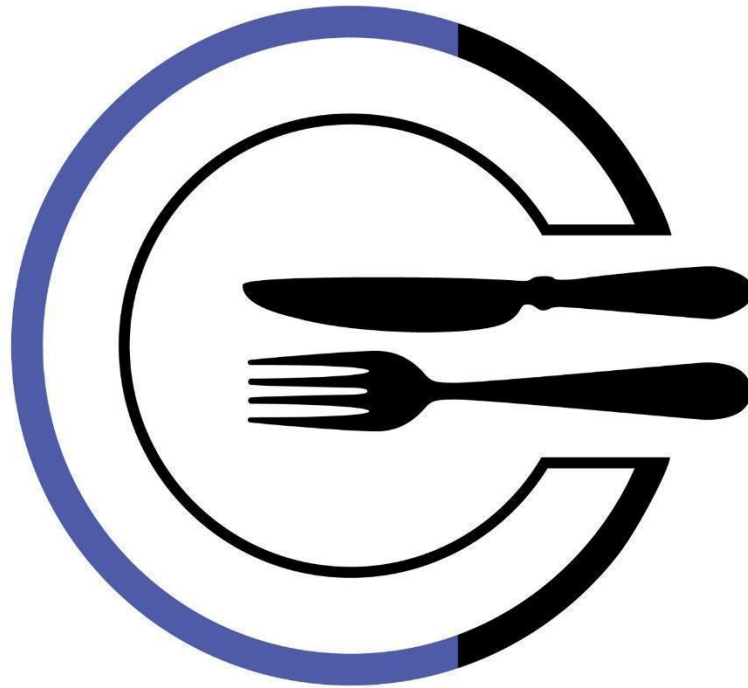# Calorie Token Whitepaper

Founders: P.H.J. Hendrikse

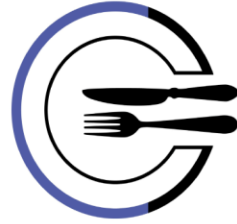L.A Visscher

S. Zoetman

Chamber of Commerce: 84216352

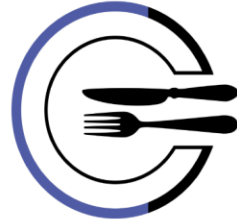**Date whitepaper:** 09-04-2023

Version: 3.1

Contents

Introducing Calorie

The XRP Ledger FinTech Project for the Food and Beverage Industry

Calorie is a sub-token built on the XRP Ledger, with a focus on the food and beverage industry. Our team of engineers and entrepreneurs are dedicated to the future of crypto and tokenization. We believe that cryptocurrencies will become the main form of modern financial systems, and Calorie aims to be the world's food token.
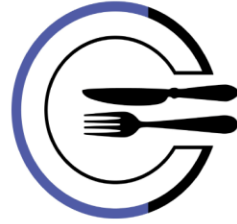
Why Calorie?

Cryptocurrencies offer many advantages over fiat money, including speed, sustainability, and lower costs. Calorie runs on the XRPL, known for its superior speed, scalability, and sustainability, making it an ideal choice for developers and entrepreneurs to transform existing applications and unlock new user experiences across payments, foreign exchanges, and many other industries. Our goal is to become the most widely used payment method within the worldwide F&B industry.

Why are we doing this?

Calorie provides a solution for obtaining food at all types of food distributors, from home delivery to supermarkets, wholesalers, and hospitality. With the development of digital money, it's possible to distribute digital tokens instead of money or food stamps to meet people's basic needs. Tokens are an accepted currency that can be used to pay for services and products. Calorie may be able to assist governments in supporting people in satisfying their basic need for food. As we move towards a more digital future, Calorie is at the forefront of this development.

Calorie Token's Mission and Vision

Mission

Calorie's mission is to establish a diverse network of partners within the F&B industry and integrate payment applications for companies and consumers, while contributing to corporate social responsibility and promoting a healthier financial lifestyle.

Establishing a diverse network of partners within the F&B industry

- Reaching out to potential partners in the F&B industry who share our vision
- Reaching out to software developers to help develop and implement the CalorieApp
- Increasing brand awareness
- Creating a worldwide Calorie community

Integrating payment applications for companies and consumers

- POS system applications for companies in the F&B industry
- Developing customer web-apps
- Implementing transaction applications
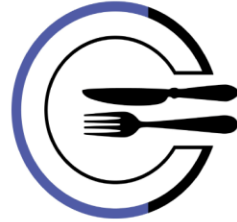
Connecting all partners within the F&B industry

Calorie has the potential to be the bridge between all partners within the F&B industry by providing a globally accepted payment system with all the benefits of the XRPL.

Contributing to Corporate Social Responsibility

Calorie runs on the XRPL, which is known for its superior speed, low cost, scalability, and sustainability. It's easy to implement into any existing system and can help.

Contributing to a healthier (financial) lifestyle

Calorie aims to contribute to a healthier lifestyle for all its users by helping them track both their digital Calories and regular calories. We want to develop an application that helps people track their calorie intake and show all nutritional values of the products consumed. The application could also be used to track Calorie payments for different time frames (daily, weekly, monthly, per order) so users can easily check their expenses.

Vision

Worldwide commercial integration of Calorie in the F&B industry

Currency for consumers

With the CalorieApp, users can conveniently make and receive payments, as well as exchange their Calorie currency with other currencies using the XRPL. The app also allows users to order food online or pick it up from affiliated companies.

Currency for producers / merchants

Calorie can be integrated into the transaction system of F&B industry producers and used for seamless transactions between farmers, wholesalers, and supermarkets. The system enables sending and receiving payments, importing stock data into the database, and integrating with cash register systems for streamlined product management.
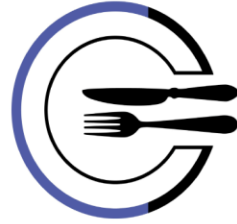
Currency for investors

Send and receive payments. Payments are linked with the Accounting System (ACS) and Analysis System (AS).

Calorie as a token for governments to aid

Digital money has paved the way for the distribution of digital tokens that cater to basic needs such as food and water. Calorie is a versatile token that can be utilized across multiple F&B sectors, including supermarkets, restaurants, and home delivery, enabling the government to better serve its citizens.

Worldwide Calorie community

Our goal is to establish a global Calorie community, which will play a pivotal role in driving the growth of the platform. The community will actively participate in decision-making processes, providing valuable feedback through user polls and monitoring.

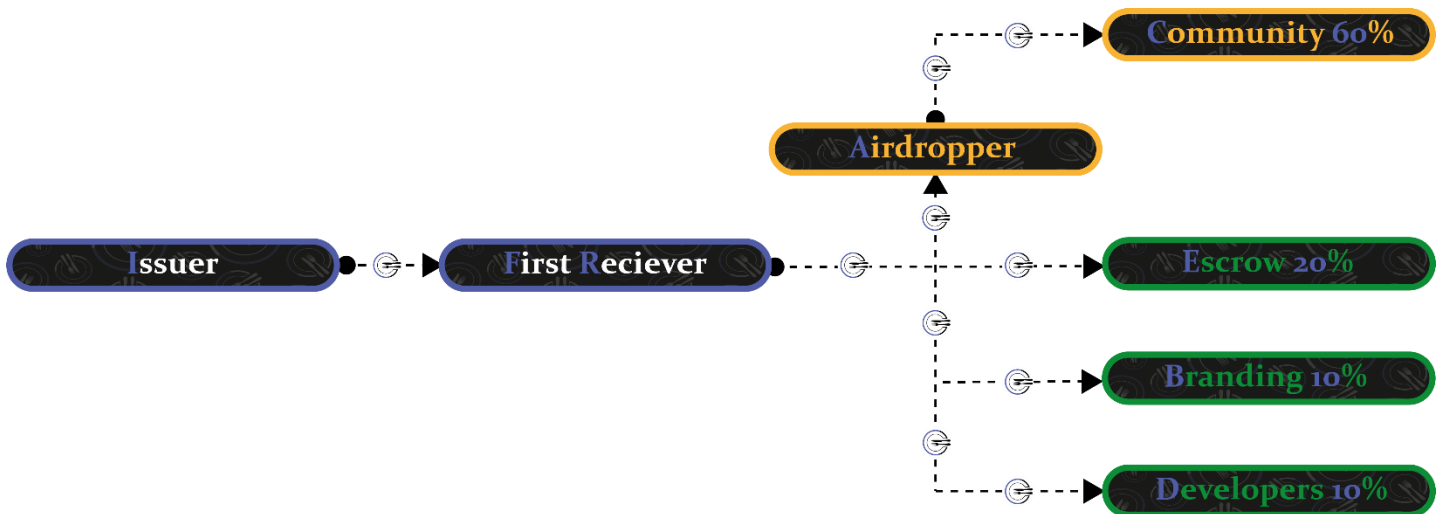## Tokenomics

Currency

- Calorie

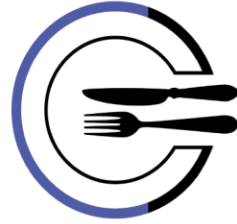**Currency (HEX-code)**

- 43616C6F726965000000000000000000000000000000

Issuing address

- rNqGa93B8ewQP9mUwpwqA19SApbf62U7PY

Initial supply

- 100.000.000.000 $Calorie
- Fixed supply

Token distribution

Community: 60%

To engage the community, we have decided to distribute 60% of the Calorie supply through airdrops, surprisedrops, giveaways, and participation in community events.

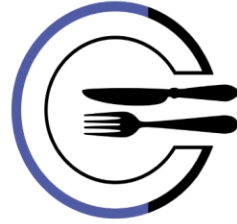**Escrow: 20%**

A portion of the Calorie tokens will be reserved for future adoption, including but not limited to burning of tokens and anticipating exchange listings.

Branding: 10%

Will be utilized for enhancing brand awareness, developing software applications, and establishing partnerships that will further improve Calorie's utility.
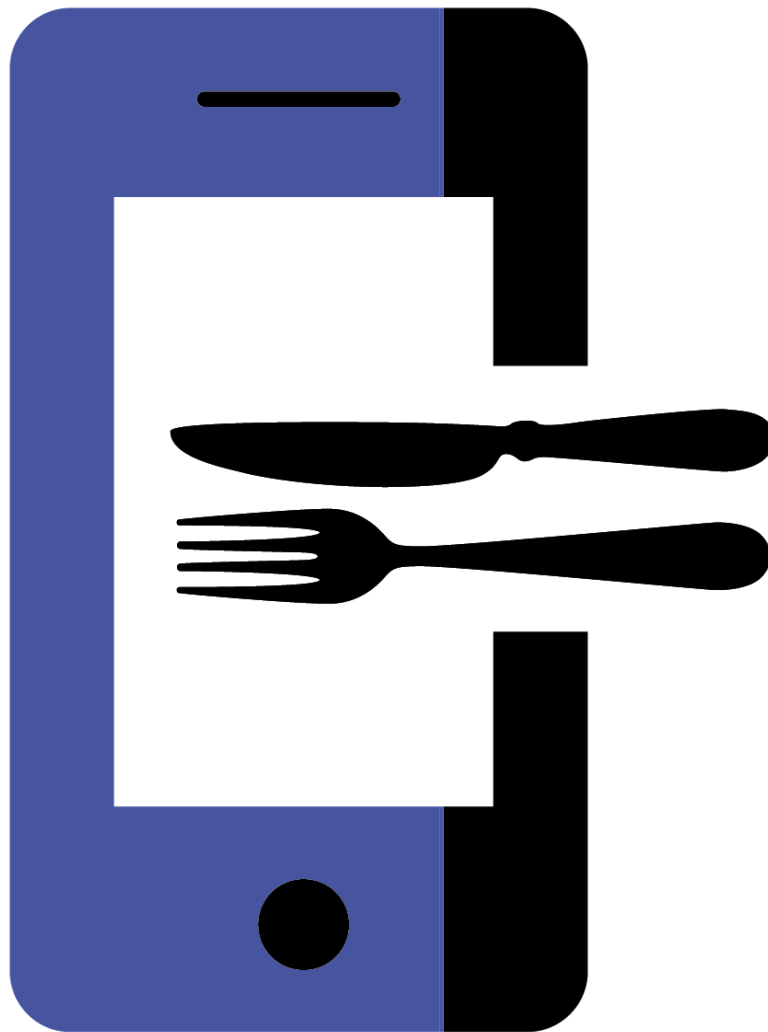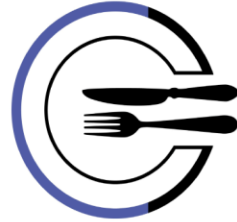
Developers: 10%

Will be used for future projects.

CalorieApp

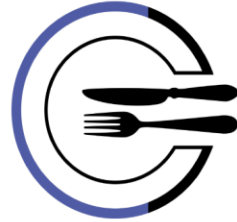*Your XRPL-wallet integrated into a multifunctional Calorie application*

Introduction

Introducing CalorieApp - the ultimate all-in-one F&B application for consumers, producers, merchants, and investors alike. With its intuitive, user-friendly interface, CalorieApp will revolutionize the way we interact with the food industry. Whether you're looking to make transactions, track nutritional values, or manage expenses, CalorieApp has got you covered. With a wide range of features designed to cater to every user's needs, CalorieApp is the perfect tool for anyone looking to simplify their F&B experience.

Phased buildup

CalorieApp will initially be released in alpha and beta version, featuring simple and easy-to-use functionalities for consumers. Our team will continuously monitor and evaluate the app's performance during the beta phase. We will use the feedback from users to improve the system before launching the official version of the app. We will also incorporate new features in subsequent phases to enhance compatibility. At CalorieApp, we value the input of our users and strive to provide constant improvement. We encourage our users to provide feedback and report any issues they encounter while using our app. As the demand increases, we will introduce the app to other user groups and corporate clients.

Our goal is to make CalorieApp easily accessible to anyone in the F&B industry. To achieve this, we will ensure that our implementation process is seamless and user-friendly. Calorie Token is dedicated to expanding its reach and partnering with established companies worldwide to enhance their and our services. We believe in providing exceptional customer service and aim to exceed the expectations of our users.

CalorieApp Network

A platform for F&B companies to sell their products online, including takeaway and delivery services. With Calorie Token's user-friendly and visually appealing interface, companies can import and edit their menu in the database, making it simple and convenient to sell their food online. Additionally, supermarkets can integrate their delivery services with our platform to streamline their operations.

To further enhance our service, we are developing inventory management systems and accounting functions to increase utility for our users. Our team is dedicated to providing exceptional customer service and will work closely with our partners to ensure that their experience with CalorieApp Network is seamless and hassle-free.
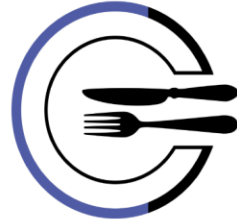
Main features

Payment system

Users can make and receive payments with the CalorieApp and exchange their Calorie for other currencies within the XRPL in a convenient and easy-to-use interface. The app allows users to pay on the XRPL with all issued XRPL tokens. Users can pay with their XRPL-address and associated trustline, send payment requests, and easily send tokens to other users in their personal address book.

Portfolio

A portfolio for all your XRPL tokens. With this portfolio, users have easy access to the current and previous status of their portfolio. This way, users can see how much their XRPL currencies are worth when converted into the most common cryptocurrencies and fiat money, and easily analyze their financial situation and investment strategy.

Calorie DEX App

CalorieApp is integrating the XRPL DEX to trade and send tokens. Users can integrate their wallet and trade currencies on the XRPL in a whim. If users are short on Calorie, they can easily exchange some XRP to Calorie on the Calorie DEX App. For example, XRP could be sold to buy Calorie, or Calorie could be sold to buy other XRPL currencies.

Profile

With the profile feature, users can identify themselves and their company. Users can choose at any time from an anonymous profile or a public profile. For example, users can set up a public profile for their friends and network. When users make purchases with Calorie at affiliated companies, they can also choose an anonymous profile so that the personal data in their profile is protected.
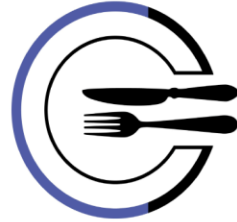
Additional features

Consumers

Payment system

The CalorieApp offers an easy-to-use payment system that allows users to make and receive payments with Calorie and exchange it for other currencies within the XRPL. Users can order food online or collect it from affiliated companies that are connected with the CalorieApp. Food spending can be tracked for different time periods in a clear and convenient interface. Users can keep track of their spending, see the amount of Calorie they have spent, what they have spent it on and the value in fiat currency at that time. For example, users can see how much a particular order cost in Calorie and/or USD, or how much they spent on food and drinks in a particular month.

Food Tracker System (FTS)

Calorie Token promotes a healthy lifestyle and offers a food tracker system that allows users to easily keep track of their food intake. With this system, users can track their nutritional values and calorie intake and see what they have eaten in a certain period. The Food Tracker System also provides a database of nutritional information for beverage and food products, which can be accessed by all users. Users can submit requests for new products to be added to the database. Private data remains private and can be deleted by the user.

Calorie Custom NFT

Mint your own recipes. Various Calorie customized NFT templates that allow you to immortalize your own recipes in an NFT of your choice. Do you have an original (family) recipe? Create a Calorie NFT and share your recipe by selling it on the DEX.

Merchants / Producers

Payment system

Send and receive payments with an integrated system that connects to the Inventory Management System (IMS), Accounting System (ACS), and Analysis System (AS). Easily import and connect stock to the database and cash register system for streamlined processing. Use the address book to find each other quickly and work more efficiently.
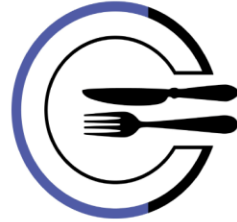
Inventory Management Systems (IMS)

A secure and private app that supports entrepreneurs with their inventory management. View real-time updates on products sold and in stock, receive notifications when products are running low, and identify frequently sold items. All data is stored and retrieved from the Calorie Token database.

Calorie Custom NFT

Create an NFT for each menu card that you wish to link to the blockchain. The NFT can be designed using a customized Calorie NFT template, with the image on the NFT corresponding to the image of the menu item. The smart contract can also be programmed to pay a royalty to the owner of the NFT when the menu card is used in another restaurant, or when another company uses the NFT for promotional purposes.

By linking menu cards to NFTs and royalties, it becomes possible to generate income for the owners of the menu cards in a transparent and automated manner. This provides a new way to add value to menu items while increasing revenue for those who create them.

- **Accounting System (ACS)**
  An easy-to-use accounting system linked to the IMS. All costs and revenues are processed in Calorie and linked to current fiat and cryptocurrency rates, so you always know how much something cost at that moment, regardless of price fluctuations over time.

- **Analysis System (AS)**
  A system that processes and analyzes transaction history and associated data. Gain insights into turnover, product sales, and financial strategies, and use this information to improve inventory management and financial decision-making.

Investors

- **Payment system**
  A system that allows investors to send and receive payments. It is linked to the Accounting System (ACS) and Analysis System (AS) to ensure that transaction data is processed in these systems.

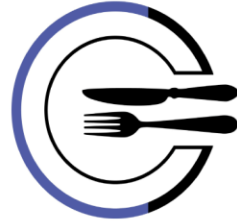- **F&B, Crypto and other financial news**
  Regularly updated news about the F&B industry, crypto sector, and other financial sectors.
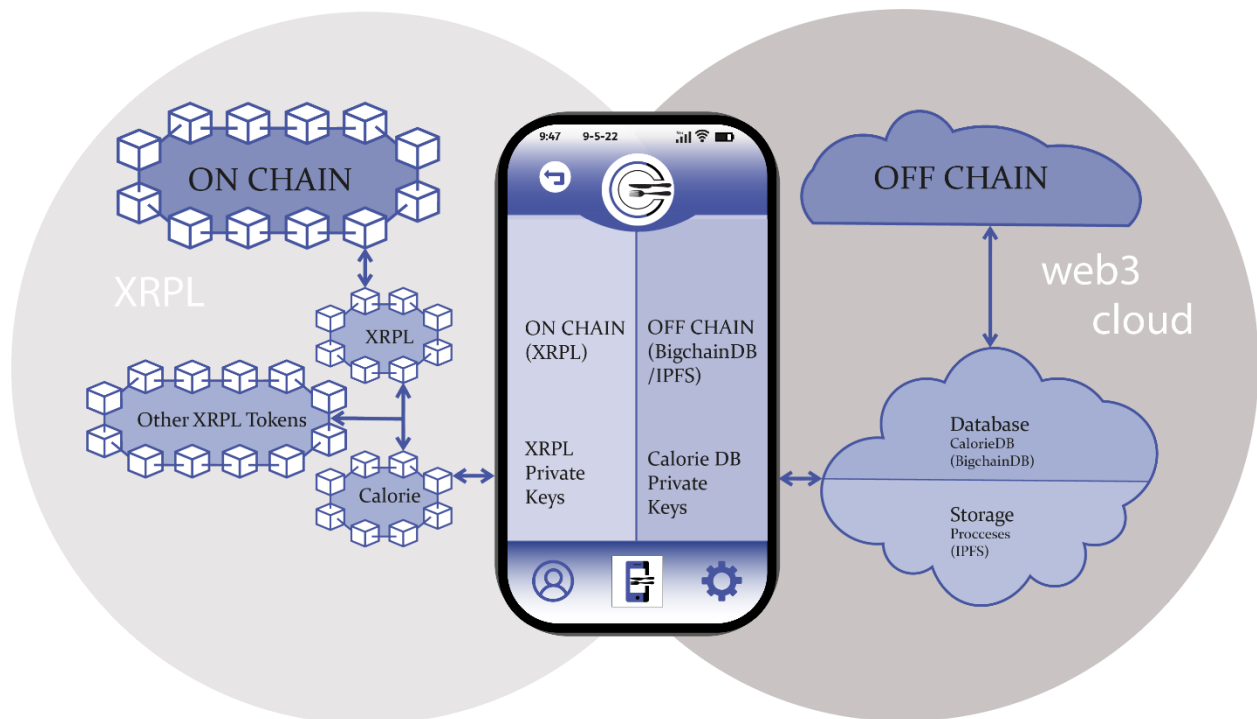
- **Analysis System (AS)**
  A system that processes and analyzes the overall history of all transactions and associated data. With AS, investors can view and review actions and perform analyses to improve their financial strategy. Big data can also be used to determine where to invest by providing information such as the number of products sold in a particular place over a specific period of time.

- **Network platform**
  A platform that connects investors with businesses using Calorie. Companies can create a company profile with their information and contact details so that potential investors can easily get in touch with them.
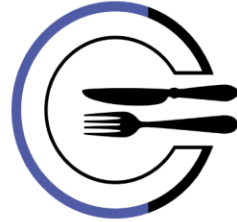
CalorieApp Infographic

Infographic explained

On-Chain

This XRP wallet grants users complete access to the payment system on the XRPL via private keys, as well as access to the Calorie trustline and other trustlines associated with the CalorieApp. With on-chain capabilities, users can actively engage in the payment system on the XRP Ledger, utilize the DEX, and review their transaction history. Each transaction conducted through the XRP wallet is linked to the off-chain Calorie Database using a unique transaction hash. This hash establishes a connection between the transaction and an entity within the off-chain database, facilitating efficient data storage.

Off-chain

Database Layer

Calorie Token will utilize BigchainDB for its off-chain Calorie Database, ensuring decentralized operations. By connecting an XRP wallet to the off-chain Calorie Database through transaction hashes, payment-related information is securely stored. This includes details about purchased food items, expenses (in both CAL and FIAT), purchase time and location, as well as seller information. Since such information cannot be stored directly on the blockchain, the off-chain Calorie Database plays a crucial role.

The Calorie Database fetches newly generated user food product data from The Open Food Repo open-source repository and seamlessly integrates it into the database. Access to personal data is restricted to private keys, which users can delete whenever they wish. While big data analysis can be carried out on information like average eating patterns within specific regions, no personal characteristics are included in this data.
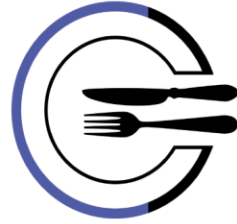
Application layer

Calorie Token's application layer will be powered by IPFS services, ensuring decentralization and enhanced security. Integrated applications within the CalorieApp will follow a Client/Server Model, allowing processes to operate on the client side, while servers handle incoming client requests and provide responses. Processes such as the Food Tracker System, Inventory Management System, Accounting System, Analysis System, and the integrated DEX Application will run on this layer. All processes are closely monitored on Calorie Token's servers to ensure an optimal user experience and system performance.
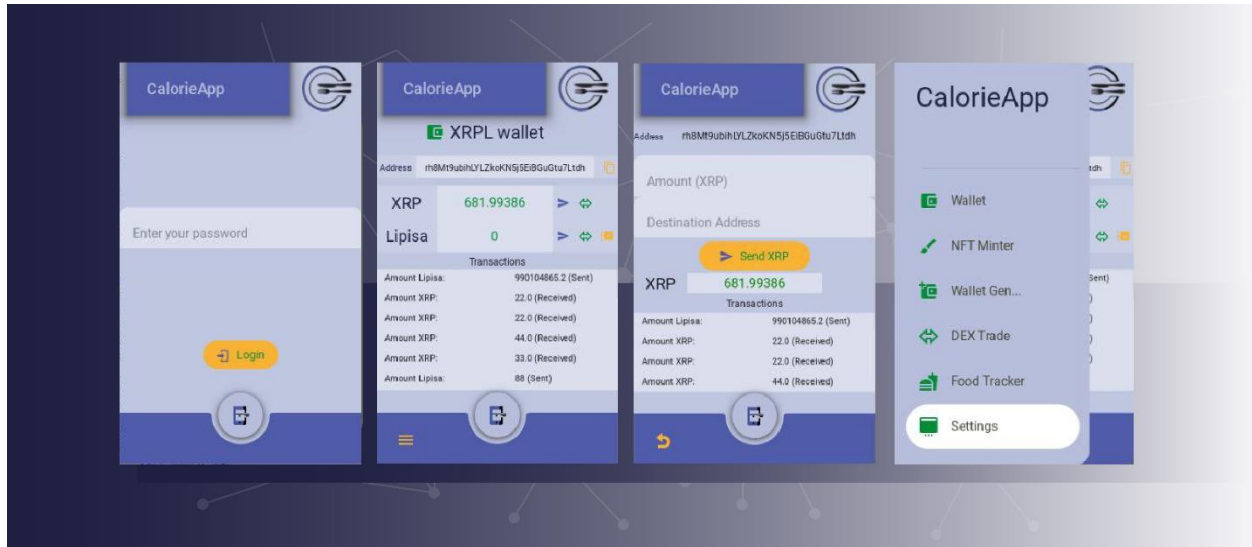
Privacy

Your privacy is meticulously safeguarded through the use of private keys for accessing your Calorie Database. Only you have the authority to access the data stored within, and you are at liberty to create backups of this data for storage purposes. Calorie Token is fully committed to legally securing data storage and processing and will not access user data without consent. Any big data used for research purposes will be devoid of any personal identifying characteristics. Users retain the right to delete their data whenever they choose. For further details, please refer to the privacy disclaimer on our website.
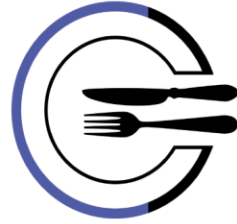
First app impression

Social media platforms

- Website: CalorieToken.net
- Twitter: @CalorieToken
- Telegram: CalorieToken
- LinkedIn: Calorie Token
- Instagram: CalorieToken
- Facebook: CalorieToken
- Github: CalorieToken