# Technical Design Document of EthereumWalletDemo

## Introduction

To develop an app for blockchain users to Manage their Blockchain wallet on iOS device like Metamask.

This can let users create their wallet account, get current tokens / NFTS informations, Buy / Receive / Send / Swap their tokens / NFTS, etc.

## Specifications

- Home Page

\* List user icon, name, price sum, and other widget for display info

\* Provide scan QR code action buttons

\* Left-side drawer

\* Tokens / NFT list at bottom

\* Send / Buy / Swap / Receive function

- Token Detail Page

\* Send / Buy / Swap / Receive function

\* Transaction page

- Send / Buy / Swap / Receive Page

\* Allow user to choose account and token

- Ethereum Kit for production data and transactions

- Get exchange rate from network

## Architecture

Cocoa Framework (iOS SDK)

App Framework (Structure)

Data Flow (Networking / CoreData)

UI Representation

Ethereum Mainnet Server