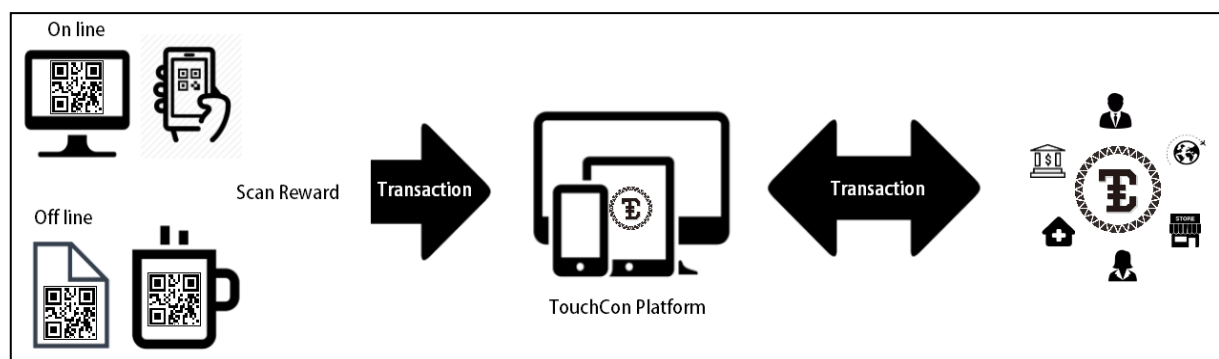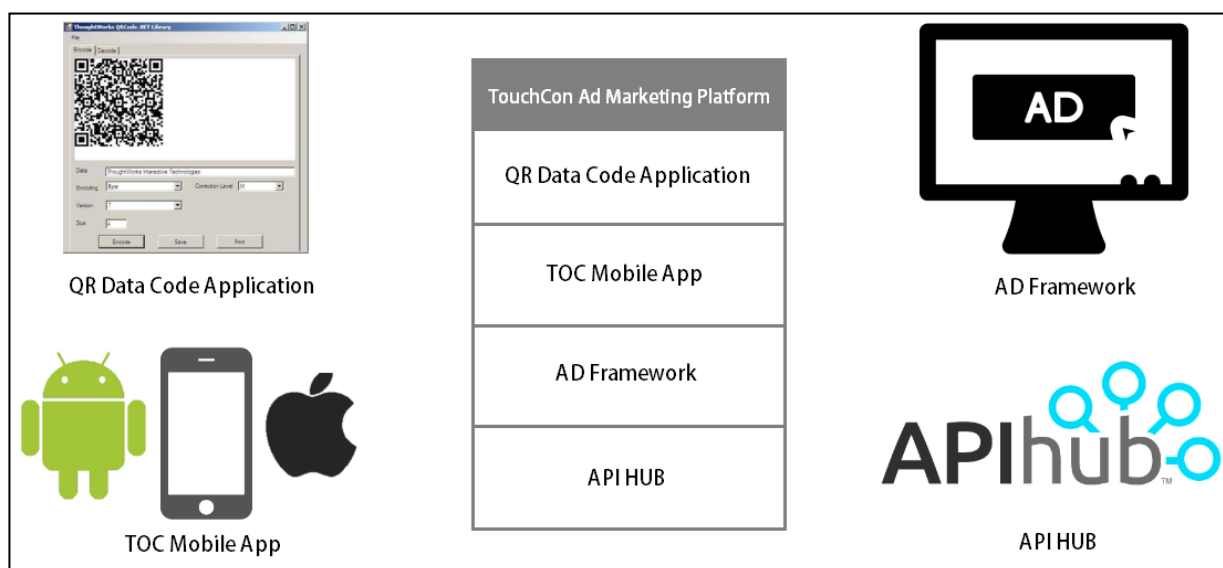# QR Data Code Technology Architecture

1. Concept

TouchCon Ads Marketing Platform obtains and accumulates TouchCon by scanning QR Data Code that the value of TouchCon in on/offline is accumulated at random. It means a platform that will support financial transactions such as payments, remittance and trading using a blockchain technology.
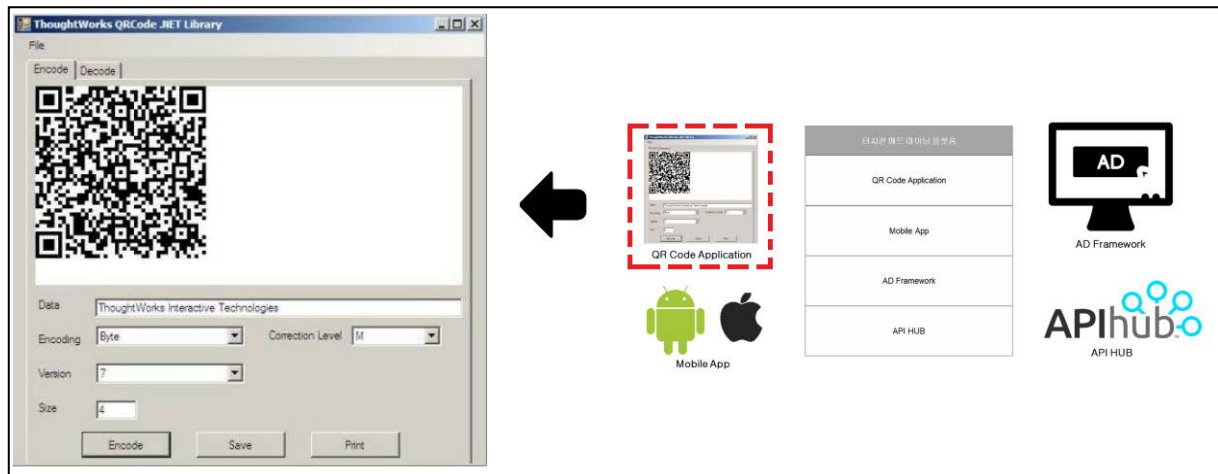

2. Software Architecture

TouchCon Ads Marketing Platform consists of QR Data Code Application to create, maintain, and issue the AR Data Code, Mobile App to obtain TouchCon, and AD Framework able to expose commercials to users, and API HUB to communicate with TouchCon Main Wallet.
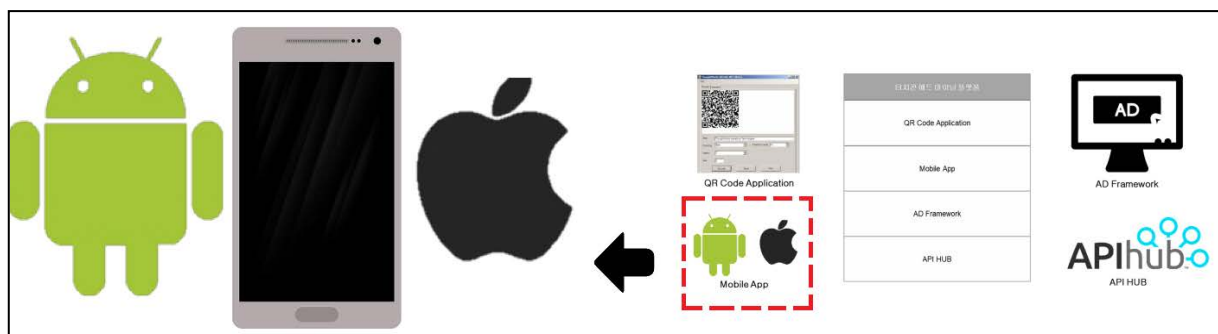
3. QR Data Code Application

It is an application to print out TOC issued by the TouchCon Foundation as the QR Data Code. It will print out from a minimum of 1 TOC to a maximum of 10,000 TOC at random for the quantity of TOC to be published in advance.
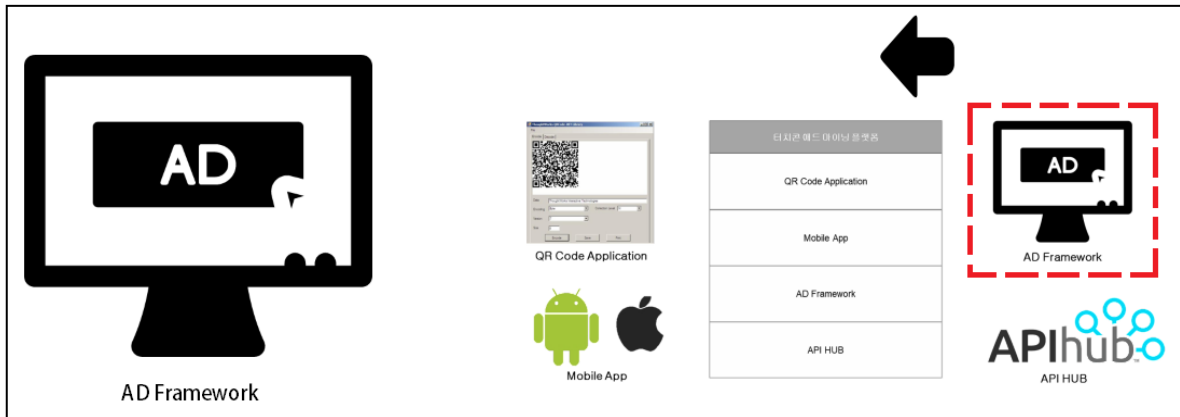

4. Mobile Application

It provides the function to obtain (Mining) TouchCon by scanning the QR Data Code and manage the user's Main Wallet. Users can also scan the QR Data Code to obtain (Mining) TouchCon, and then they will use the advertiser's commercials first.

5. AD Framework

When the users scan the QR Data Code, they communicate with Mobile Application as the storing place for commercials to expose the advertiser's commercials. AD Framework's main function is to manage the commercials videos and images.
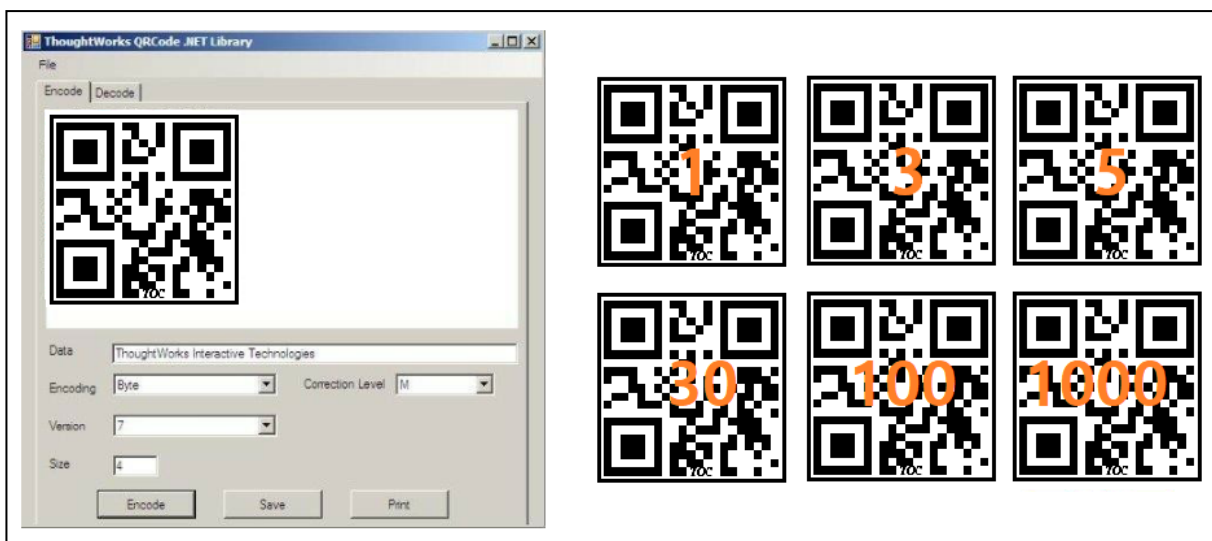
6. API HUB

It will act as a gateway to manage and monitor all incoming and outgoing data, such as AD Framework, Mobile Application, and TouchCon Wallet.

7. Deployment Method

7-1. QR Data Code Framework

① By randomly assigning 1 TOC to 10,000 TOC to the QR Data Code as much as TouchCon to be issued, QR Data Code Framework gives a function to print them out. It increases readability by printing the image together with the QR Data Code that identifies TouchCon.
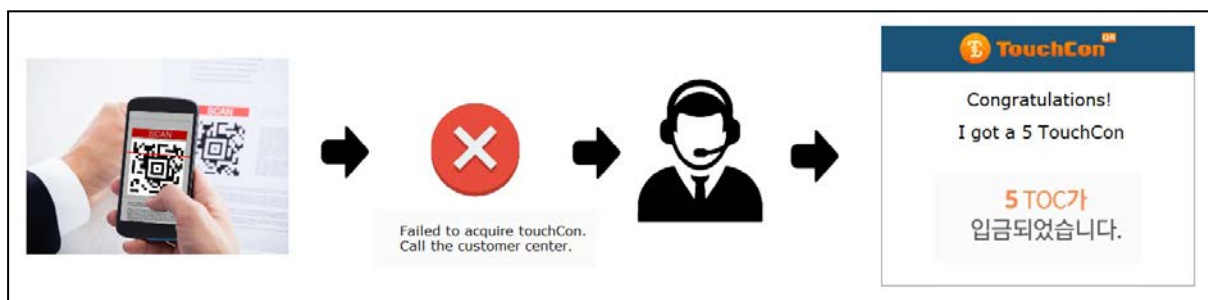
② The QR Data Code shall be issued in 2 formats: one for scanning the printed thing on the product packing paper at the offline store and the other for distributing sealed products put into the inner packing paper.

7-2. Mobile App

① Mobile App that can obtain (mining) TouchCon has the function to scan the QR Data Code and has an AD Viewer function to enable the user to consume the commercials. Obtaining (mining) TouchCon is taking place in a process that the user consumes the commercials first by scanning the QR Data Code and then TouchCon is obtained (mined) and accumulated in the user's wallet.

② If the QR Data Code is scanned but not normally obtained (mined), it may be necessary to transmit to TOC wallet of the corresponding user who uses a token through the help desk intervention.

7-3. Preventing non-buyers from mining QR on products

To prevent the users who haven't purchase the products from mining, insert the inside of product packing paper and seal the product. Then, open the product package and scan, and then induce them to mine.

7-4. Ad Marketing Platform Deployment Scope

❶ QR Data Code Framework

To issue and manage the QR Data Code, print out after inserting TouchCon image to the

QR Data Code

❷ Mobile Application

Sign up – QR Data Code Scan (extracting TOC) - AD Viewer (commercials exposure)-

Check the user's wallet information-Check Area - Android, iOS Version

❸ AD Framework

Management of commercials videos and image, management of the time and frequency of
commercials exposure.