

RaceNumber NFT Platform

- Popular sports competition number plate NFT platform
- Grounded application of the abstract NFT paradigm

racenumber.xyz

NonceGeekDAO 2022 / 07



Problems to be solved

Problems

- **Traditional sports competition number plate** One-time use with untapped in-depth value that cannot be added to the brand;
- **Organizers of popular sports events** An attempt to combine traditional tournaments with Web3 to empower traditional industries while expanding the user base of Web3 Players;
- **Traditional competition data** Data is stored centrally, there is a risk of loss, and it is difficult to connect data between different applications;

Why Me ?

- **10+ years** of outdoor and cycling vertical website operation
- **100+/year** offline marathon, cycling event organization
- **100,000+** marathon, cycling enthusiasts precise fan crowd
- The only authorized representative of **France ACP** in mainland China: the exclusive NFT partner of "Yew Riding China"
- DAO is a group with a high degree of internal identity, and it is very appropriate for DAO to organize participation in mass sports events, a natural Web3 native user group



18

城市联络官



60+

每年组织活动场次



8000+

每年成绩认证人次



Solutions

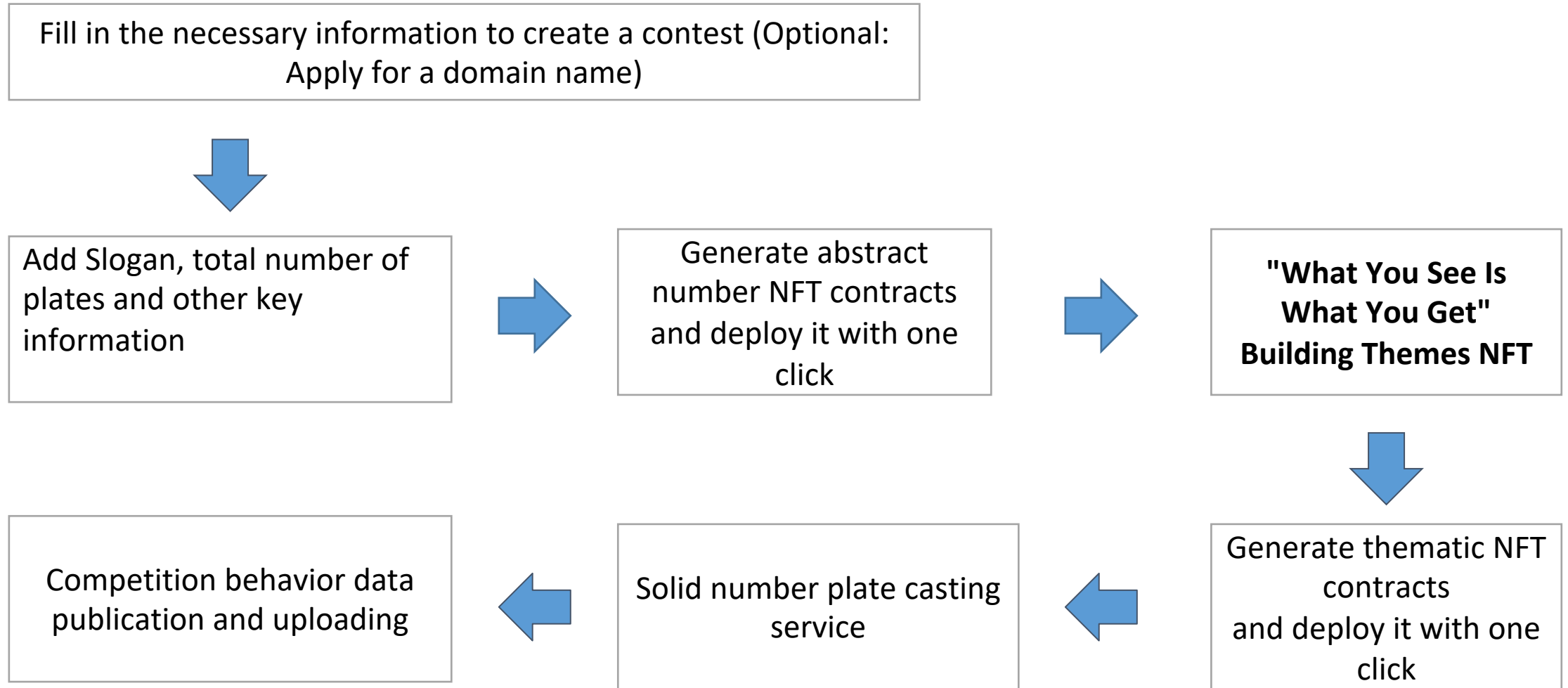
A one-stop NFT toolset for event organizers

- **Abstract number plate NFT**-The event organizer may issue its own set of number plates, which may be used between the different competitions of the event organizer.
- **Theme Number Plate NFT** - The race organizer issues a theme number plate NFT based on the specific race at hand, and Hodler, who holds the abstract number plate NFT, is entitled to Mint theme number plate NFT.
- **3D Number Plate Entities** - Holders of themed number plates NFTs may request a 3D Printer service provider to print the plates as physical NFTs for participation in the competition.
- **Domain Name System** - In cooperation with various decentralized domain project parties (e.g. .fn, .bit, .pns), organizers can Mint their own decentralized domain names, bind their own addresses and homepages, and issue second-level domains to their own users.

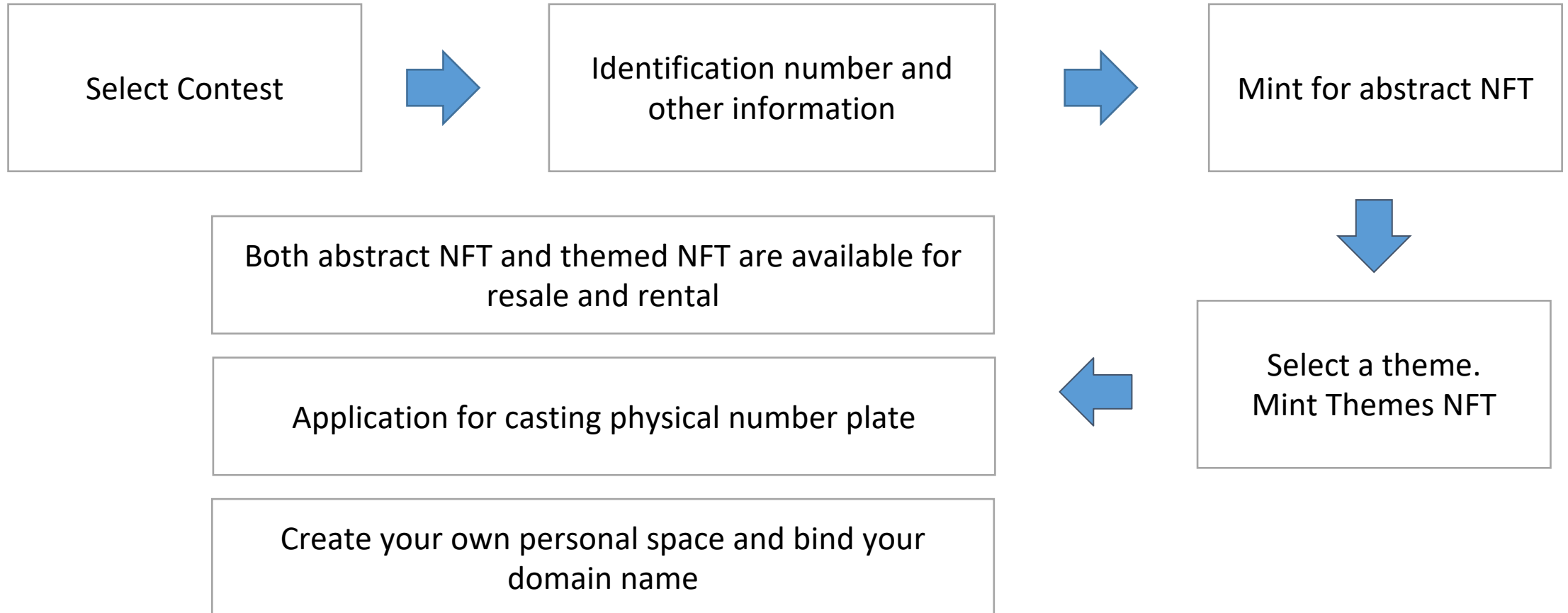
Provide new ways to play for the public sports event fans

- **Number plate use**——players who have Minted an abstract number plate issued by the organizer may use the abstract number plate for that event (e.g. Tokyo Marathon) or may further Mint a themed number plate.
- **Number plate trading**—— Players may resell the abstract number plate on the trading market, or they may Mint the theme number plate and then resell the theme number plate on the trading market
- **Number plate rental**—— A player may rent his number plate so that the renting party may use it during the tournament.
- **Domain name usage**—— Holders of abstract NFTs can receive a domain name (by default with the number num as the first field) and generate their own homepage, thus presenting their number, NFT and related in-chain data (e.g. results). For example: 1102.tokyo.race.fn

B-end user product usage logic



C-end user product usage logic



Hackathon designed by the theme NFT

NFT content composition: scenes, bodily objects, pendants

Scene: The main elements are based on the route of the

Tokyo Marathon, including shrines, Tokyo Museum of

Modern Art, Tokyo streets, Ginza night scenes, parks, etc.

Characters: A variety of professional groups expressed

through the dress code, emphasizing the diversity and

inclusiveness of the marathon culture Pendants: unlimited

styles



Business Prospects

Market Space

- Tens of thousands of group sports events such as marathons, cycling and triathlons are held globally every year, and some high-quality large-scale events, such as the Beijing Marathon, are hard to find, and the number plate, as one of the necessary elements, has a wide and definite use scenario and is very suitable for NFTization.
- Hundreds of millions of enthusiastic participants of global group events, and mainly high net worth users, according to relevant Nielsen data, the per capita related expenditure of Chinese runners in 2019 is RMB 3,601/year.
- Group sporting event organizers are not yet aware of the Web3 world, and Web3 * Group sporting events is a niche that is currently an untapped blue ocean market.

Profitability Model

1. The transition of users of large tournaments from traditional users to DAO Members, with DAO play empowering the traditional user base.
2. Revenue from trading and leasing market fees for abstract number plates NFT and thematic NFT number plates.
3. Revenue from physical products such as physical number plates, peripherals and artifacts (IP cooperation).
4. Revenue given by related sponsors and partners.



Technology Implementation

Contract Realization: Design Concept

Abstract number plate NFT < > Theme NFT
Scarcity < > Utility

Contract Realization

<https://play.onflow.org/7152ddb1-adb3-4139-bed0-1d77df7afe78?type=script&id=9b9edfd1-8101-41fe-b65d-c11eed582a53&storage=none>

Abstract NFT Resource (Loot liked)

```
pub let id:UInt64
pub let gameId:UInt64
pub let slogan:String
pub let host:Address
pub let num:UInt64
```



Subject NFT

```
pub let id:UInt64
pub let gameId:UInt64
pub let name:String
pub let host:Address
pub let num: UInt64
pub let slogan:String
.....
pub let background:String // 主题图片
```



Contract Realization

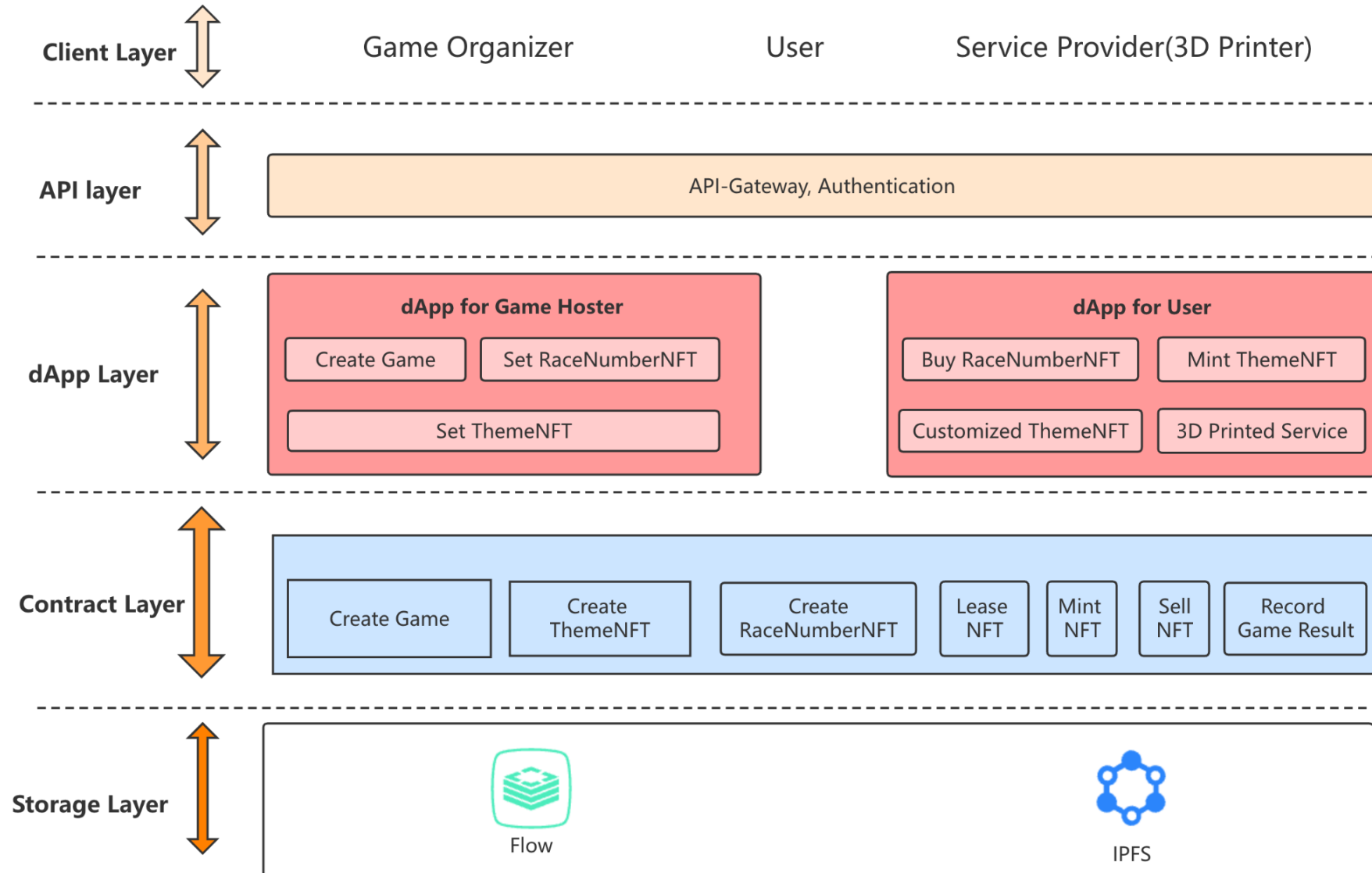
See in: <https://play.onflow.org/7152ddb1-adb3-4139-bed0-1d77df7afe78?type=script&id=9b9edfd1-8101-41fe-b65d-c11eed582a53&storage=none>

Note: resultHash refers to resources stored on the IPFS or Arweave network, including contest results records, prize payouts, NFT prize payouts, etc.

Tournament Resource

```
pub var gameName:String
pub var timestamp:UInt32
pub var uid:UInt64
pub var gameId:UInt64
pub var hostAddr:Address
pub var price:UFix64 // 号牌价格
pub var resultHash: String // 结果hash, to IPFS or Arweave
pub var issues: Int // 总发行量
pub(set) var mintedNum:Int // 已 mint 数量
pub(set) var templateImg[String; String] // 多个主题
pub(set) var gameType:String // 比赛类型: 🏃, 🚴.....
pub(set) var slogan:String // 比赛官方 slogan
```

System Architecture





Demo

Demo

Demo Address :

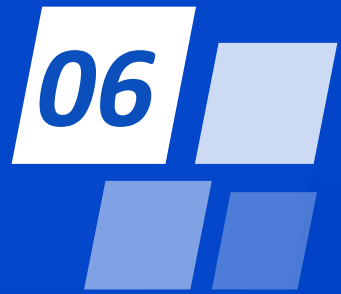
> <https://racenumber.xyz>

Contract Address :

> <https://flow-view-source.com/testnet/account/0x83f8ed4318375647/contract/Racenumber>

Demo Video Address :

> <https://github.com/FlowFans/web3jam-2022-summer/tree/main/submissions/issue-39/docs/demo.mp4>



Road Map

Road Map

2022-08-15

The first beta version was launched
Available to the first partners such as Yew
Riding China, Along the Yellow Marathon and
Ride the Universe



2022-10-01

RaceNumber V1 Launched
Gaining a wider audience -
including both China and
Japan



2023-03-01

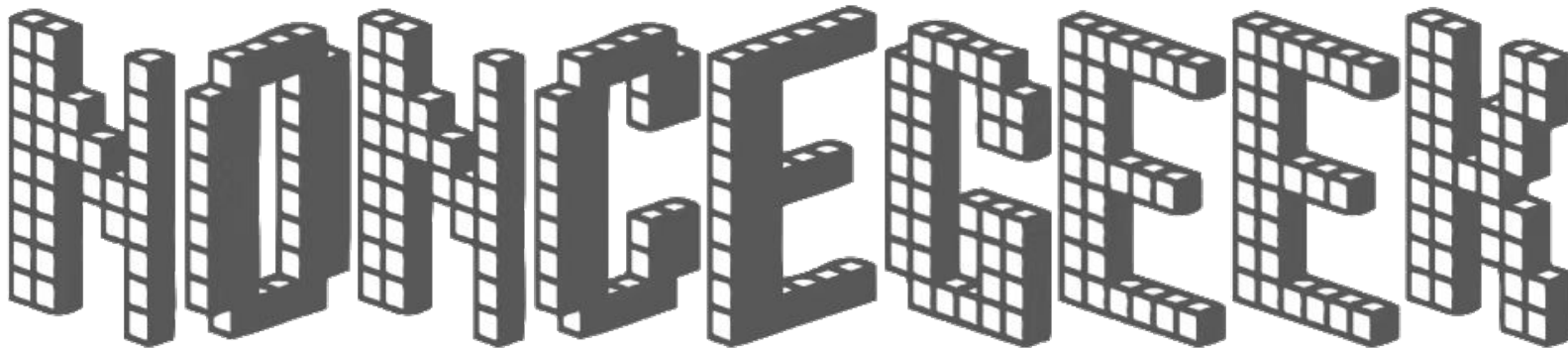
RaceNumber V2 Launched
To empower race organizers with a full
range of web3
Form a healthy NFT trading market





Team Profile

Team



<https://noncegeek.com>

Cool-oriented Programming.