unilot

Blockchain-based lottery
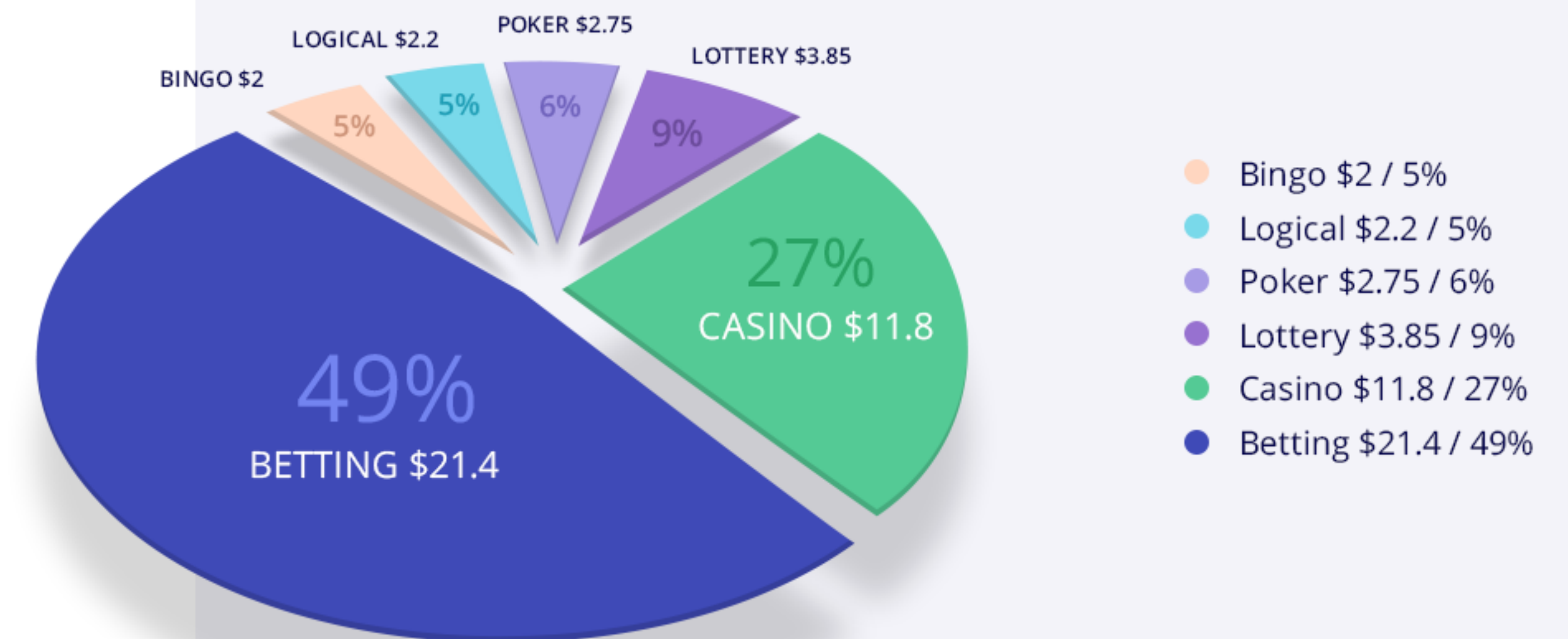
Market opportunities

I — The lottery is the largest social and entertainment gambling in the world;

II — The market share of lottery in the world gambling market is over 30%;

III — The annual turnover is $ 284 billion.
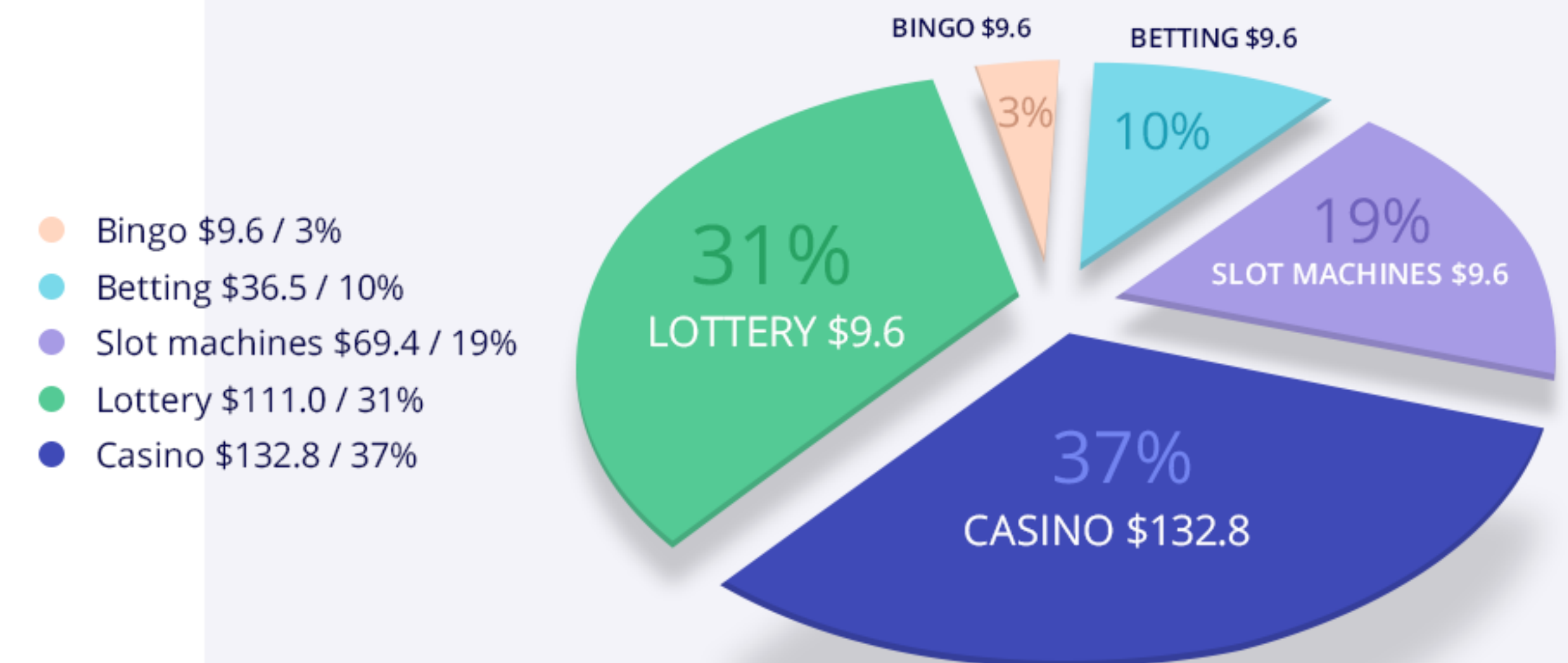
According to H2 Gambling Capital (www.h2gc.com)

Income structure of global offline gambling business in 2016

BLN US DOLLARS AND %

BINGO $2
LOGICAL $2.2
POKER $2.75
LOTTERY $3.85

5% 5% 6% 9%

27% CASINO $11.8

49% BETTING $21.4

- Bingo $2 / 5%
- Logical $2.2 / 5%
- Poker $2.75 / 6%
- Lottery $3.85 / 9%
- Casino $11.8 / 27%
- Betting $21.4 / 49%

Income structure of global online gambling business in 2016

BLN US DOLLARS AND %

BINGO $9.6
BETTING $9.6

3% 10%

19% SLOT MACHINES $9.6

31% LOTTERY $9.6

37% CASINO $132.8

- Bingo $9.6 / 3%
- Betting $36.5 / 10%
- Slot machines $69.4 / 19%
- Lottery $111.0 / 31%
- Casino $132.8 / 37%

Problem

I   No guarantee of holding fair drawings

II   No transparency in making and splitting jackpot

III   Low chance of winning

IV   High taxation on winnings

* https://www.lottoland.co.uk/magazine/the-probability-of-winning-the-lottery-.html

Examples of winning odds in traditional lotteries

UK LOTTO	1 : 45,057,474
EUROMILLIONS	1 : 116,531,800
IRISH LOTTO	1 : 10,737,573
POWERBALL	1 : 292,201,338
MEGAMILLIONS	1 : 258,890,850
EUROJACKPOT	1 : 95,000,000

Solution

Unilot - decentralized lottery based on **Ethereum Smart Contracts.**

Ensuring full transparency: open source code

1:20   The chance of winning is 1 in 20 - the highest odds of available ones

Any participant can check the jackpot amount and splitting at any time

The winner will take the jackpot and can stay absolutely anonymous thanks to blockchain technology

How it works

At the initial stage we are to draw 3 types of lottery:

1	Daily

7	Weekly

31	Bonus (Monthly)

Users select the type of the lottery (Daily, Weekly), pay the ticket cost and wait for the result*.
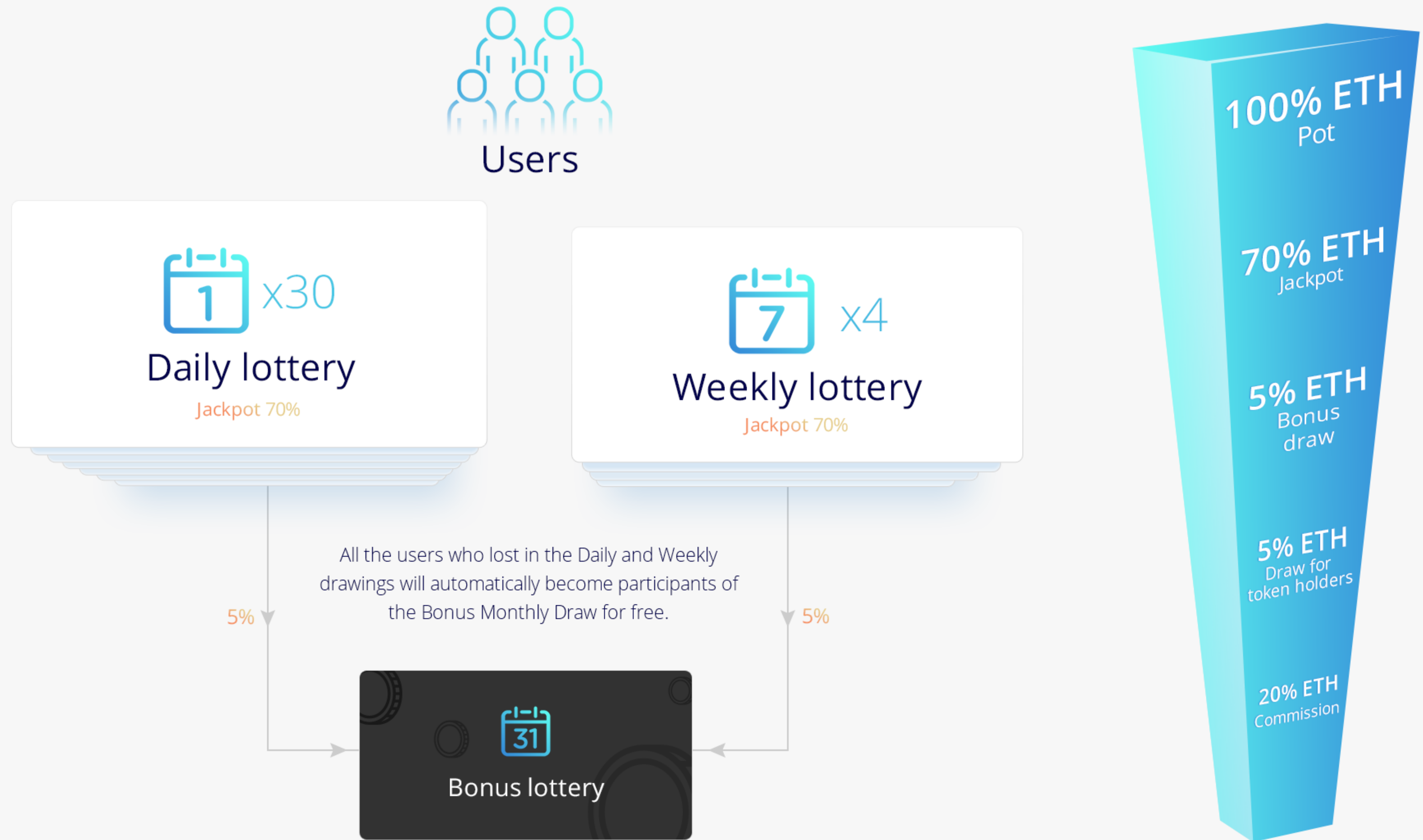
The system is choosing winners who split the jackpot randomly. During the draw, any user can always check the number of prize-winning places and the jackpot amount for each of them in the List. The List is constantly changing depending on the number of participants.

At the end of the countdown, user will see an animation on the screen about win or loss.

All the users who lost in the Daily and Weekly drawings will automatically become participants of the Bonus Monthly Draw for free.

* — We are going to broadcast the drawing by third-party services (Instagram, Facebook, Periscope)

Scheme of drawings

Users

x30

Daily lottery
Jackpot 70%

x4

Weekly lottery
Jackpot 70%

All the users who lost in the Daily and Weekly drawings will automatically become participants of the Bonus Monthly Draw for free.

5%

5%

Bonus lottery

100% ETH
Pot

70% ETH
Jackpot

5% ETH
Bonus draw

5% ETH
Draw for token holders

20% ETH
Commission

Calculation

Number of participants : $G = 1 + Gf + G0$

- Number of Big Winner = 1
- Number of Middle Winners (who gets smaller prizes) = Gf
- Number of Small Winners (who get incentive prize) = G0

Jackpot amount: $S = Sm + s0 + s$, where $Sm = s + Sf$

- Gain of Big Winner: $s = 2 s1$
- Gain of each Middle Winner: $Sf = (s1 + s2 + ... + sGf)$
- Gain of Small Winner: $s0 = G0$ ticket price
- Minimum amount for winners 1 and Gf :
$S = (1 + Gf) * s$, where s is ticket price

Model for calculations:
$f(x) = 1/(x+0.5) - 0.05$
$f(x\_Max) = 0 \Rightarrow x\_Max = 19,5$

CALCULATION
Calculating with the model:
- Step size:
$step = x\_Max / (Gf + 1)$

- Dots along the Y axis:
$DotY(i) = 1/((step * i) + 0.5) - 0.05$

- Sum for model area:
$Z = DotY(0) + DotY(1) + ... + DotY(Gf - 1)$

Calculating amounts of winnings for players:
- Gain of Big Winner without s_ :
$s = (2 s1 Sm) / (Z + 2 * s1)$

- Gain of Middle Winner si without s_ ,
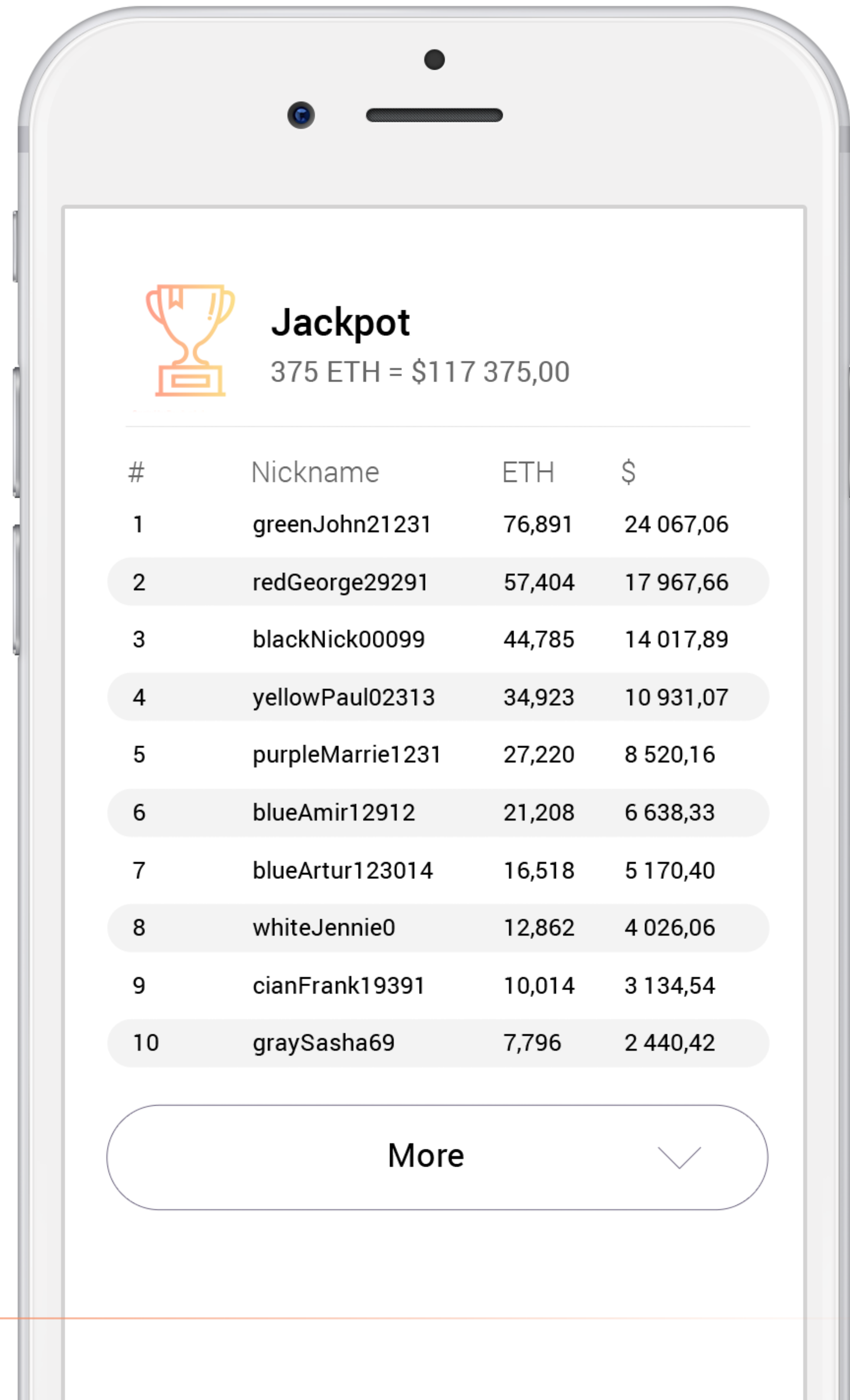where $(0 <= i < Gf)$ according formula (from the model) :
$s(i+1) = (Sm - s) * DotY(i) / Z$

Example of calculation

Ticket cost	0,0500
Number of participants	10 000
Number of winners(%) = P%	4,00%
Number of 2nd type winners	1,00%
Our commission	20,00%
Share for Monthly draw	5,00%
1 Ethereum price	$313,00

Jackpot
375 ETH = $117 375,00

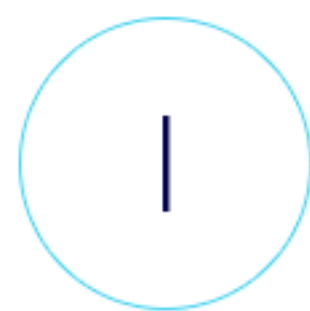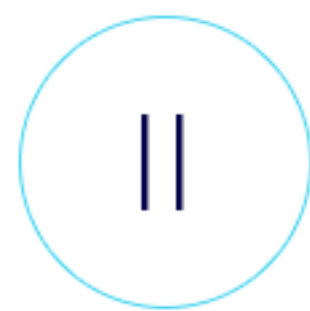| #	Nickname	ETH	$
1	greenJohn21231	76,891	24 067,06
2	redGeorge29291	57,404	17 967,66
3	blackNick00099	44,785	14 017,89
4	yellowPaul02313	34,923	10 931,07
5	purpleMarrie1231	27,220	8 520,16
6	blueAmir12912	21,208	6 638,33
7	blueArtur123014	16,518	5 170,40
8	whiteJennie0	12,862	4 026,06
9	cianFrank19391	10,014	3 134,54
10	graySasha69	7,796	2 440,42

More

Tokens

The Unicoin token does not bring passive income to its holder.
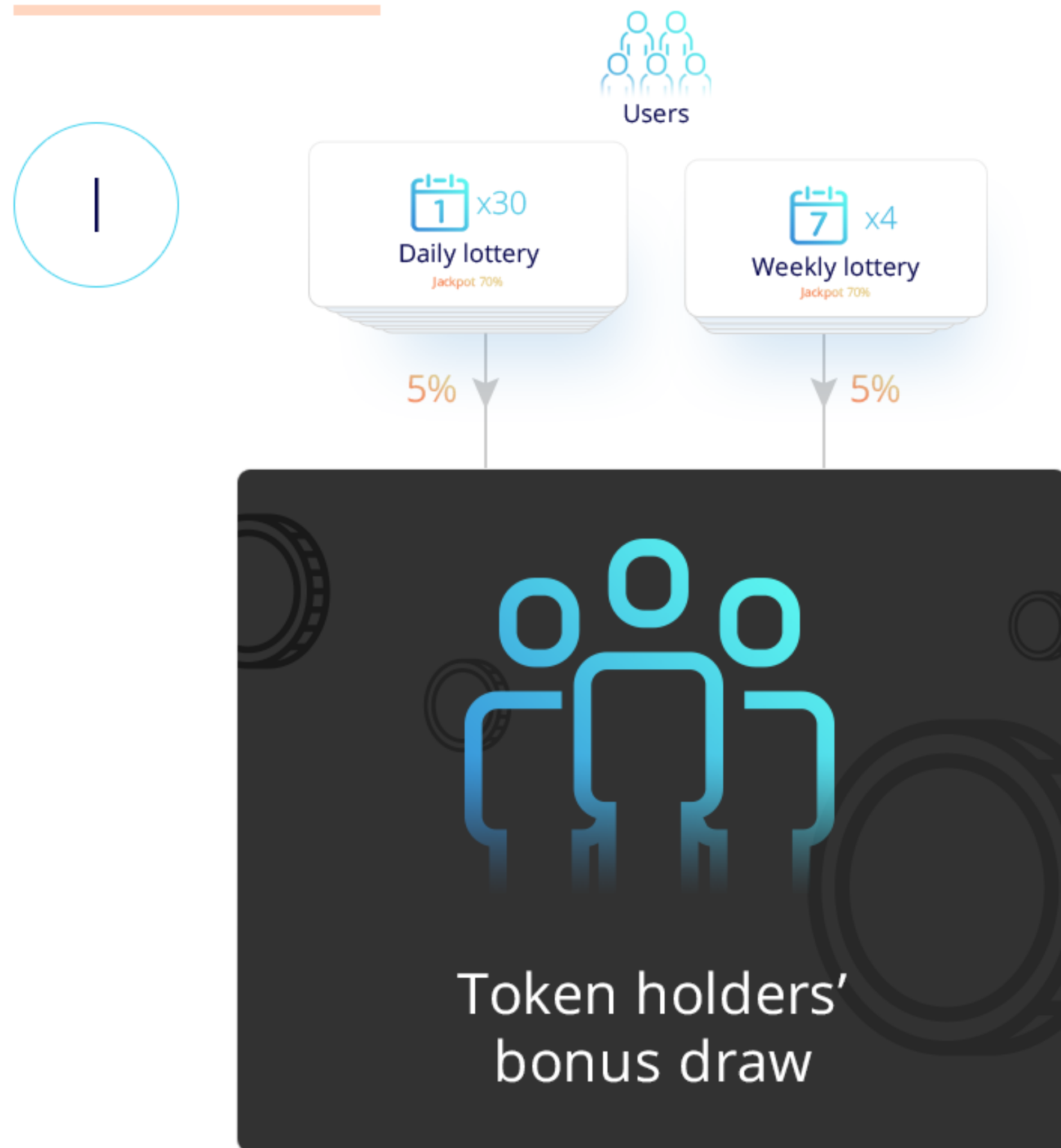
I   Token is the entrance ticket: the more tokens are put by the Holder, the more chances they have to win. The jackpot will be formed in cryptocurrency from Daily and Weekly drawings.

II   Token holders can participate in a special draw for token holders. The distribution formula will be the same as for usual draws. Winners will receive more tokens.
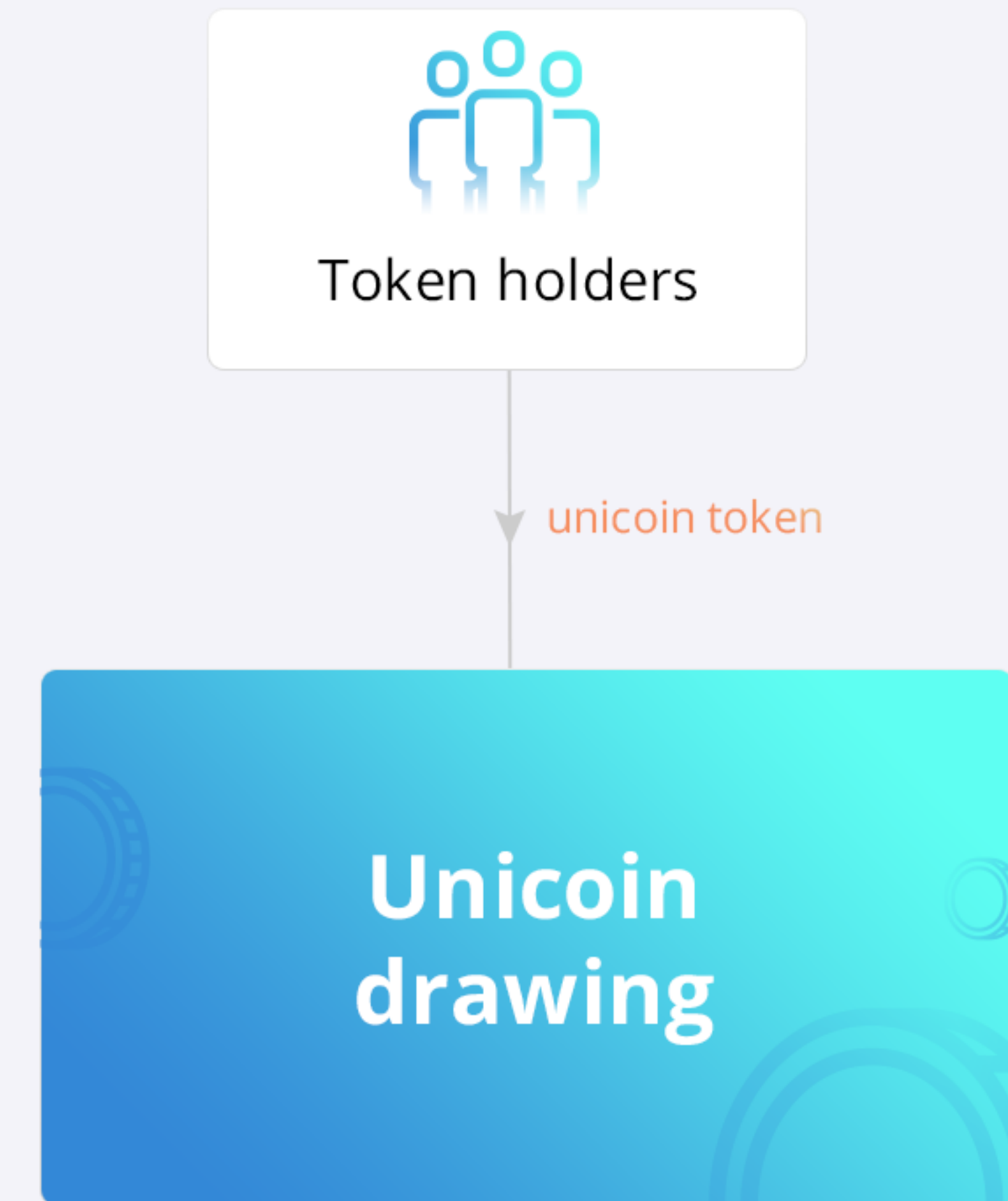
Token is spent after using it in any drawing.

Token holders' participation scheme

I

Users

x30 — Daily lottery — Jackpot 70%
x4 — Weekly lottery — Jackpot 70%

5%
5%

Token holders' bonus draw

The jackpot will be formed in cryptocurrency from Daily and Weekly drawings.

II

Token holders

unicoin token

Unicoin drawing

Winners receive more tokens.

ICO

During the ICO we are planning to collect $4 000 000, which is the minimum amount needed to cover:

1. Operating expenses
2. Marketing
3. Guaranteed prize fund

The maximum amount of raised funding is $12 000 000. This will help to speed up the expansion of the project, increase the amount of guaranteed prize fund and accelerate the launch of new drawings.

To meet the plan we are going to issue 17 mln Unicoin tokens at a cost of $1. A share of 70% will be available for purchase at the stages of preICO and ICO. 30% of the tokens are reserved by the project team.

unilot + ico

First stage of development

In October 2017 the following will be released:

- MVP allowing to hold a lottery based on Ethereum Smart Contracts

- Mobile applications for iOS (Swift) and Android (Kotlin) platforms displaying:
the latest drawings and information about them; notifications of the drawing
start, its end and results; statistics and history.

- Landing page containing full information about the project, team,
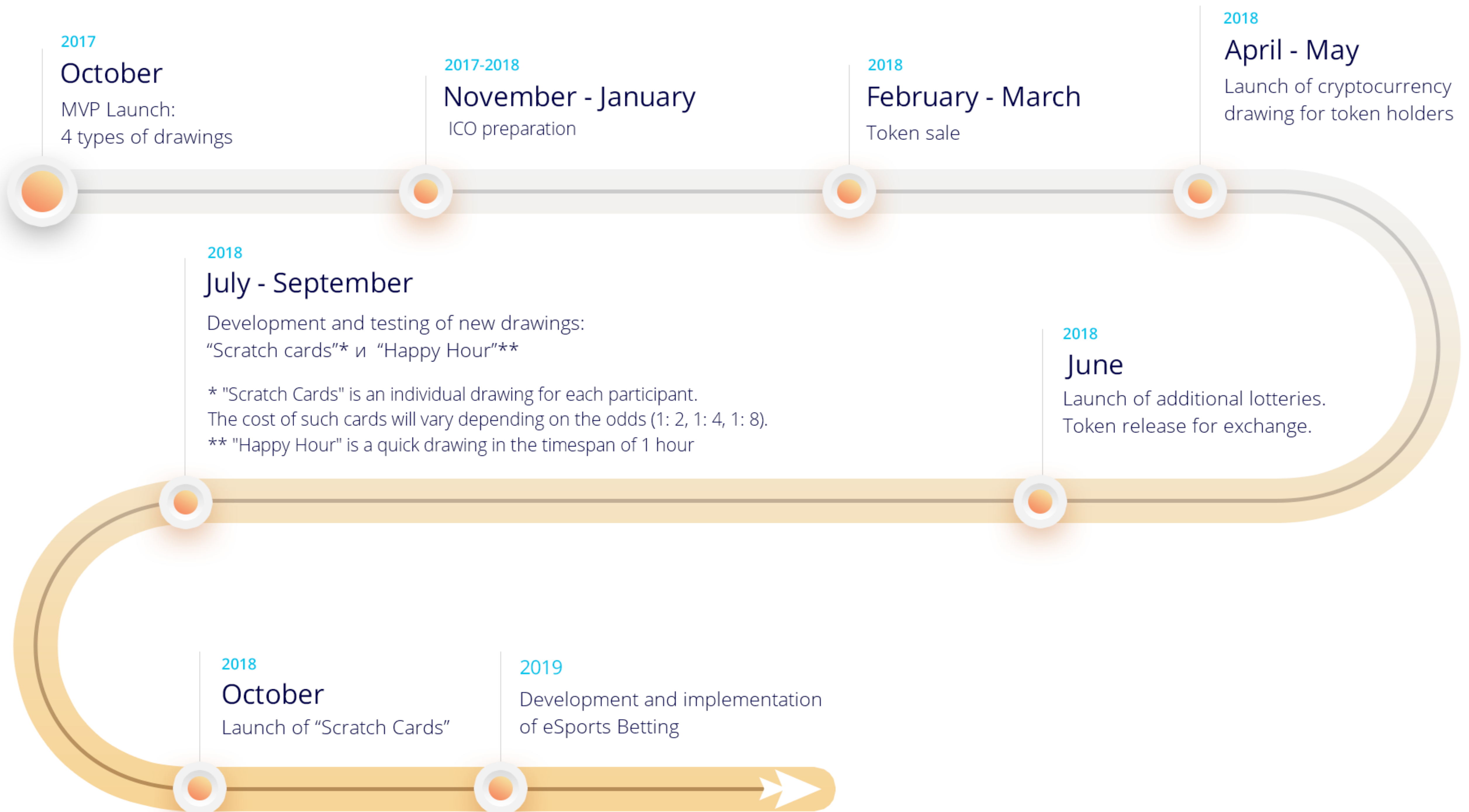plans and call to download the mobile application.

Links:

Backend: https://github.com/Alegzander/blockchain-sport-loto-prototype-backend

Android: https://github.com/Alegzander/sportloto-android-client

Roadmap

2017
October
MVP Launch:
4 types of drawings

2017-2018
November - January
ICO preparation

2018
February - March
Token sale

2018
April - May
Launch of cryptocurrency drawing for token holders

2018
July - September
Development and testing of new drawings:
"Scratch cards"* и "Happy Hour"**

* "Scratch Cards" is an individual drawing for each participant.
The cost of such cards will vary depending on the odds (1: 2, 1: 4, 1: 8).
** "Happy Hour" is a quick drawing in the timespan of 1 hour

2018
June
Launch of additional lotteries.
Token release for exchange.

2018
October
Launch of "Scratch Cards"

2019
Development and implementation of eSports Betting

unilot+roadmap

Legal part

We are going to get a gambling license to carry out legal activities of holding lotteries.

The company responsible for this part is

SMP Partners LTD - http://www.smpegaming.com

This company is a partner of our legal issues advisor.

The license is issued by an authority that controls online gambling around the world.

Location - Isle of Man.

Project advisors

COUNCIL

LEGAL ISSUES PARTNER

The company works in a partnership agreement with a number of leading legal companies of Russia, Europe, the USA, and South Korea.

The Law Firm grants its Customers a personal and comprehensive approach to the solution of legal issues in banking, telecommunication, oil and gas industry, civil engineering, IT and other industries.

Timur Mukminov

**INTERNATIONAL RELATIONS
AND BUSINESS INTELLIGENCE ADVISOR**

Business Process Advisor: Program Portfolio & Tech. Project Management, Infrastructure, Agile, Global Eng. Management; ex-Program Manager Network Operations at Google Inc.

Over 10 years of technical project management, and business intelligence, and applied research & analytical expertise, backed by solid background in IT and infrastructure, and knowledge of multiple foreign languages.

unilot + advisors

Project advisors

Sergey Skabelkin

STRATEGIC PRODUCT DEVELOPMENT ADVISOR

Blockchain Evangelist, Co-founder of FinTechCluster, Mobile wallet and online service enterprise architect, CEO of playhall.io

Azamat Kurbanov

MARKETING ADVISOR

Co-founder of telegraf.money who successfully led preICO worth $7 000 000. A self-starter and successful entrepreneur, more than 10 years experience on marketing and creating multimillion worth companies.

Bakhram Fayzutdinov

MOBILE PRODUCT DEVELOPMENT AND PROMOTION ADVISOR

Founder of Amayasoft company, head of MyBookTools technology development. More than 10 years on programming, product management and business development.

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Team

Ilya Son
FOUNDER

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SMART CONTRACTS DEVELOPER

Arseniy Aganov
SENIOR ANDROID DEVELOPER

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UI/UX DESIGNER

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Azat Khuziyakhmetov
BACKEND DEVELOPER

Bakhodir Ashirmatov
SENIOR IOS DEVELOPER

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