

Contests Results Interface

Contest submission by RSquad

<http://easy-result.rsquad.io>

<https://github.com/RSquad/easy-result>

@inyellowbus

Description

When developing this solution, we were guided by the following principles

- maximum user convenience
- intuitive interface, which not overloaded with information not related to a specific task
- communication occurs only between the user and the blockchain

We managed to create an interface that is complete. complies with these principles. Only user and blockchain. No additional requests other than blockchain requests. Nothing is cached or saved, while the speed of work remains at the proper level.

Loading the client, the first block, and one request to graphql for each individual contest is the key to speed and transparency.

Name	Status	Type	Initiator	Size	Time	Waterfall	▲
<input type="checkbox"/> tonclient.wasm	304	fetch	zone-evergreen.js:1...	213 B	39 ms		
<input type="checkbox"/> info?t=1615845733609	200	xhr	zone-evergreen.js:2...	368 B	1 ms		
<input type="checkbox"/> graphql?query=%7Binfo%7Bversion%...	200	fetch	a30f54e0-1981-4dc...	170 B	68 ms		
<input type="checkbox"/> graphql	200	fetch	a30f54e0-1981-4dc...	796 kB	429 ms		
<input type="checkbox"/> graphql	200	fetch	a30f54e0-1981-4dc...	168 kB	77 ms		

The solution can be downloaded and run on a local browser with two commands and not even go to the existing site, which allows it to be maximally autonomous and secure.

Technologies

For development, we used "@tonclient/core": "^1.10.2" to work with the blockchain and "@angular/core": "~ 11.2.4" to write the interface.

Run the solution locally is simple:

- install node.js
- install angular npm install -g @ angular/cli
- run the application in the root of the repository - ng serve
- the application is running on port 4200

Overview

When you visit the site, a form for entering the address of the contest is displayed in front of you. Let's take a look at the full cycle using the example of the most massive Free TON Christmas / New Year greeting card design

Easy Results

Load Contest

Enter the address of the contest, the results of which you want to watch

Type contest address

Load contest

After entering the address and downloading data from the blockchain, a contest will appear in front of you. The upper block is information about the contest, where you can see the name of the contest, the total number of votes, the jury and other available information.

Free TON Christmas/New Year greeting card design

Ended

December 14, 2020 - December 29, 2020, 00:00 UTC

Submissions

Jury members

276

22

Total votes

Accepted

Abstained

Rejected

4139

3163

611

365

The next block is a block of settings for displaying and uploading results. In it you can set:

- Display type - a mode for displaying applications, by places by average score or accepted / not accepted
- Threshold, points - the Threshold parameter, which sets the lower passing score (all applications below this parameter will be rejected when calculating the results)
- Threshold, reject - the Threshold parameter, which sets the maximum possible number of rejects to get into the prizes (all applications whose number of rejects is higher than the parameter value will be rejected when calculating the results)
- Threshold, reject percent - the Threshold parameter, which sets the maximum possible percentage of rejects relative to the total number of votes to get into the prizes (all applications for which the percentage of rejects of the total number of votes is higher than the parameter value will be rejected when calculating the results)

All parameters work with each other. You can use any combination at the same time. To ignore the parameter, just erase the value from the input

Type

Threshold, points

Threshold, rejects

Threshold, rejects percent

Points Yes/No

5

10

50

Next, a block with submissions is displayed in which there is all the available information about the application, prize places, sorting and the ability to set when, if the contest has already ended

Submissions

ID	Author	Applied, UTC	Links	Avg	Rej	Abst	Total	Places	Reward
276	0:a4e...1fd	Dec 21, 23:59	PDF	3.3	1	2	33	188	TON
275	0:e9e...545	Dec 21, 23:55	PDF	8.7	1	2	87		TON
274	0:90a...f09	Dec 21, 23:55	PDF	8.182	0	2	90	4	TON
273	0:50f...cf1	Dec 21, 23:54	PDF	5.546	0	2	61	87	TON
272	0:cf0...0c9	Dec 21, 23:54	PDF	1	4	2	6	—	Submission rejected and will not get reward
271	0:e03...c18	Dec 21, 23:53	PDF	4	2	2	36	156	TON
270	0:cf0...0c9	Dec 21, 23:53	PDF	1	4	2	7	—	Submission rejected and will not get reward
269	0:867...794	Dec 21, 23:52	PDF	1	4	2	7	—	Submission rejected and will not get reward
268	0:867...794	Dec 21, 23:51	PDF	1	4	2	6	—	Submission rejected and will not get reward

If the contest is still running, the submission section will look like this

Submissions

ID	Author	Applied, UTC	Links	Avg	Rej	Abst	Total
16	0:35e...49e	Mar 14, 10:03	PDF	0	0	0	0
15	0:49a...1c9	Mar 11, 15:17	PDF	0	0	0	0
14	0:3e8...a20	Mar 11, 10:43	PDF	0	0	0	0
13	0:268...6c5	Mar 10, 15:41	PDF	0	0	0	0
12	0:699...d97	Mar 10, 13:36	PDF	0	0	0	0
11	0:3e8...a20	Mar 06, 07:41	PDF	0	0	0	0
10	0:e6f...74b	Mar 05, 13:16	PDF	0	0	0	0
9	0:9c0...c8b	Mar 05, 08:56	PDF	0	0	0	0
8	0:a8b...2c5	Mar 04, 20:41	PDF	0	0	0	0
7	0:49a...1c9	Mar 03, 15:33	PDF	0	0	0	0

Each of the submissions can be revealed and the votes for it can be viewed

Submissions

ID	Author	Applied, UTC	Links	Avg	Rej	Abst	Total	Places	Reward
276	0:a4e...1fd	Dec 21, 23:59	PDF 📄	3.3	1	2	33	—	Submission rejected and will not get reward
275	0:e9e...545	Dec 21, 23:55	PDF 📄	8.7	1	2	87	👑	<input type="text" value="TON"/>

Vote	Jury	Public key	Comment
10	0:2ed...a20	0xba7...71f	Why wo titles?)
10	0:904...402	0xaea...527	Postcards are just what we need!
9	0:9ba...875	0x8e7...981	This is amazing job! You can see that a lot of work has been done here... I love it, thank you and good luck!
9	0:a6f...d04	0xffb...111	Unique piece of work, nice and attractive design.
9	0:097...edc	0x5e9...7f9	https://docs.google.com/spreadsheets/d/1L6vQPdGXyDgMS1vfS0in-MyO8_X6Y6Vw5uk3Uv7g5Bc
8	0:9f9...315	0x611...248	Professional work
8	0:a73...920	0x856...d05	Unique concept interesting designs

The last block of the application is the block with the jury list. In it you can see the full list of addresses and public keys eligible to vote in this contest.

Jury

Address	Votes	Accepts	Rejects	Abstains	Pubkey	Reward
0:9ba...875	276	251	23	2	0x8e7...981	<input type="text" value="TON"/>
0:9f9...315	276	261	15	0	0x611...248	<input type="text" value="TON"/>
0:2ed...a20	276	245	31	0	0xba7...71f	<input type="text" value="TON"/>
0:918...717	276	272	4	0	0xac8...b28	<input type="text" value="TON"/>
0:097...edc	276	222	54	0	0x5e9...7f9	<input type="text" value="TON"/>
0:904...402	276	244	32	0	0xaea...527	<input type="text" value="TON"/>
0:041...5c9	276	276	0	0	0xa93...73e	<input type="text" value="TON"/>
0:f12...b89	276	0	0	276	0xd80...b1e	<input type="text" value="TON"/>
0:6f4...1ae	276	0	0	276	0x555...622	<input type="text" value="TON"/>

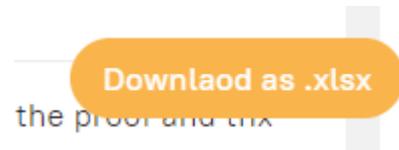
As well as submissions, the lines of the jury can be opened and the votes can be viewed in a different context - how the jury member voted for the submissions

Jury

Address	Votes	Accepts	Rejects	Abstains	Pubkey	Reward
0:9ba...875	276	251	23	2	0x8e7...981	TON

Vote	Jury	Public key	Comment
10	0:9ba...875	0x8e7...981	Wow, great job! I really like it, it looks wonderful!
10	0:9ba...875	0x8e7...981	Wow, very colorful and coolly drawn! I like it very much!
10	0:9ba...875	0x8e7...981	I like it very much! Very cute and minimalistic! Good luck!
10	0:9ba...875	0x8e7...981	Good job, everything looks very concise. The work is 100% done
10	0:9ba...875	0x8e7...981	Russian New Year) Funny card! Made in style!
10	0:9ba...875	0x8e7...981	Interesting idea! Beautiful work, bright colors, that's what you need for a Christmas card! Good luck!
10	0:9ba...875	0x8e7...981	Wow, very cool, I like that the drawing is done by hand. Thx for the proof and thx for your job.
10	0:9ba...875	0x8e7...981	awesome, the author made 3 versions of the greeting card and each one looks really cool. I like 2 and 3

The download as .xlsx button is always visible on the bottom right of the screen - it will allow you to download the contest data in the required format



How to use

Let's try to go through the full cycle from contest water to pumping out .xlsx

1. Enter the address of the contest (in this example it is still Free TON Christmas / New Year greeting card design)
2. Set restrictions
 - a. Prizes are awarded only to those with a score, for example, more than 3
 - b. Prizes are received only by those with less than 4 rejections

3. We enter the data, we see that the table has been successfully recalculated

Submissions

251	0:c27...a93	Dec 21, 23:17	PDF	3.2	1	2	32	191	TON
134	0:cbc...636	Dec 21, 17:21	PDF	3.182	2	2	35	192	TON
46	0:b5e...fbf	Dec 20, 13:24	PDF	3.143	0	2	44	193	TON
54	0:312...338	Dec 20, 16:02	PDF	3.083	2	2	37	194	TON
39	0:a42...15e	Dec 20, 08:44	PDF	3.071	0	3	43	195	TON
77	0:dd2...07c	Dec 20, 22:38	PDF	1	10	3	3	—	Submission rejected and will not get reward
121	0:08a...8a5	Dec 21, 15:23	PDF	1	8	3	5	—	Submission rejected and will not get reward
94	0:682...675	Dec 21, 12:05	PDF	2.714	7	2	19	—	Submission rejected and will not get reward
93	0:682...675	Dec 21, 12:04	PDF	2	7	2	14	—	Submission rejected and will not get reward
27	0:555...8b4	Dec 19, 17:56	PDF	1.857	7	2	13	—	Submission rejected and will not get reward

4. By the way, if you set the toggle switch to Yes / No, the table will arrange all the places according to the threshold

Submissions

251	0:c27...a93	Dec 21, 23:17	PDF	3.2	1	2	32	👑	TON
134	0:cbc...636	Dec 21, 17:21	PDF	3.182	2	2	35	👑	TON
46	0:b5e...fbf	Dec 20, 13:24	PDF	3.143	0	2	44	👑	TON
54	0:312...338	Dec 20, 16:02	PDF	3.083	2	2	37	👑	TON
39	0:a42...15e	Dec 20, 08:44	PDF	3.071	0	3	43	👑	TON
186	0:450...43b	Dec 21, 21:08	PDF	3.875	5	2	31	—	Submission rejected and will not get reward
195	0:980...df9	Dec 21, 21:21	PDF	3.222	4	2	29	—	Submission rejected and will not get reward
98	0:682...675	Dec 21, 12:08	PDF	3.125	6	2	25	—	Submission rejected and will not get reward
184	0:450...43b	Dec 21, 21:06	PDF	3	4	2	27	—	Submission rejected and will not get reward
237	0:541...5ac	Dec 21, 22:42	PDF	3	1	2	30	—	Submission rejected and will not get reward

5. Let's start entering prizes, for example, let's take numbers from 100 to 1

Submissions

ID	Author	Applied, UTC	Links	Avg	Rej	Abst	Total	Places ^	Reward
275	0:e9e...545	Dec 21, 23:55	PDF	8.7	1	2	87		100 TON
155	0:e2a...eaa	Dec 21, 19:06	PDF	8.615	0	2	112		99 TON
24	0:9a9...377	Dec 19, 16:54	PDF	8.429	0	3	118		98 TON
274	0:90a...f09	Dec 21, 23:55	PDF	8.182	0	2	90		97 TON
167	0:7d8...932	Dec 21, 20:18	PDF	8.154	0	2	106		96 TON
209	0:ab6...84b	Dec 21, 21:41	PDF	8.091	0	2	89		95 TON
222	0:ab6...c7d	Dec 21, 22:14	PDF	8	0	2	96		94 TON
157	0:d80...7d5	Dec 21, 19:15	PDF	7.923	0	2	103		93 TON
180	0:bca...0c9	Dec 21, 20:51	PDF	7.909	1	2	87		92 TON

6. We will introduce prizes for jury members in the block below

Jury

0:a73...920	253	241	12	0	0x856...d05	10 TON
0:4fb...06e	217	177	34	6	0x7d6...80b	10 TON
0:854...6c7	186	143	43	0	0x6f1...1be	10 TON
0:37b...d18	143	140	3	0	0xcfc0...730	10 TON
0:676...e80	43	0	0	43	0x6c2...7f0	0 TON
0:144...e70	0	0	0	0	0x1a3...a3f	Jury member didn't vote and will not get reward
0:e32...0db	0	0	0	0	0xf0c...5e7	Jury member didn't vote and will not get reward
0:ef0...3af	0	0	0	0	0xb37...c9c	Jury member didn't vote and will not get reward
0:7af...dd0	0	0	0	0	0x1ee...886	Jury member didn't vote and will not get reward

7. Please note that there is no need to enter a revision for jury members who have not given any grade, as well as for rejected submissions.

0:144...e70	0	0	0	0	0x1a3...a3f	Jury member didn't vote and will not get reward
-------------	---	---	---	---	-------------	---

8. Now you can click on Download as .xlsx. The file will be generated without additional requests and downloaded. The file name matches the mask contest-{contestAddress} .xlsx

