



Alpha Testing Report

By AdaLink

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Overview

This report discusses the alpha testing phase of the created MVP. It consists of three main parts. The testing environment, which is an MVP version built upon the Preview testnet. Feedback collection, where all the feedback and reviews from the testing users are presented. Lastly, Implementations and fixes, this chapter discusses the fixes of reported bugs along with any improvements or added features to the MVP.

Testing Environment

Introduction

The testing environment consists of an MVP version built upon the Preview testnet. Both SPOs and affiliates can create their own accounts and start testing the platform.

Environment Description

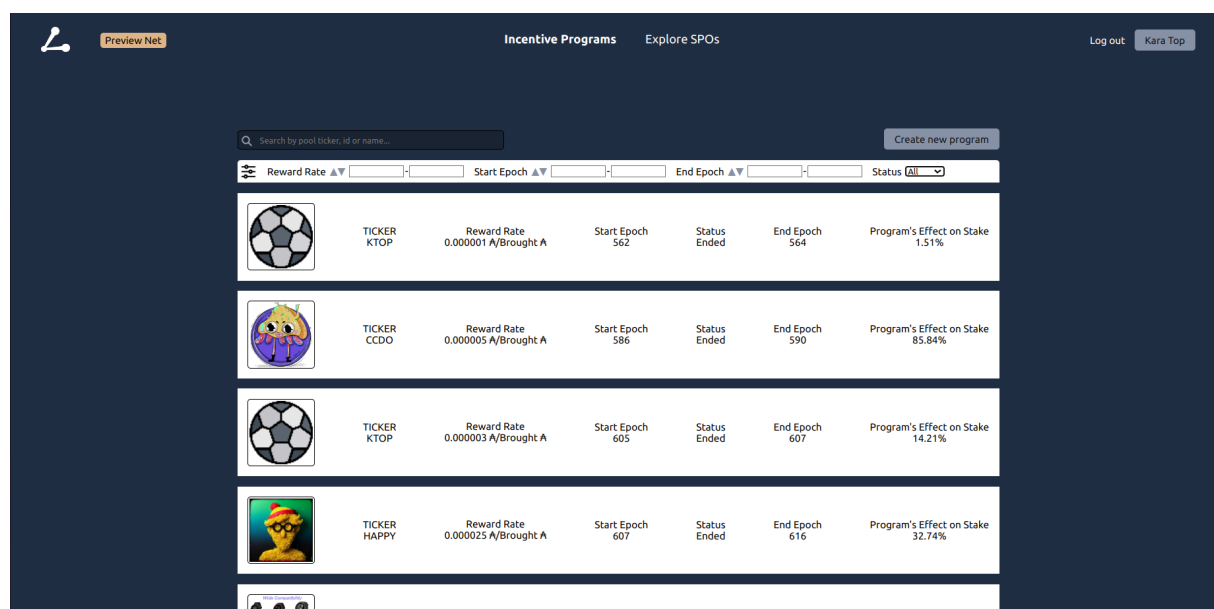
A quick overview of the platform's MVP is presented below. For a more in depth description please refer to the previously published "Platform's Architecture" and "Wireframes & Mockups" reports.

Main Page

This page contains all incentive programs, both currently active and the ones who ended as well.

The active campaigns are eligible for creating a partnership between the creator SPO and any registered affiliate.

Subscribing to an incentive program by an affiliate user creates a new affiliated link that can be used by anyone to delegate to the specific SPO. This affiliated link created a special affiliated delegation transaction, check "Platform's Architecture" report for more details.







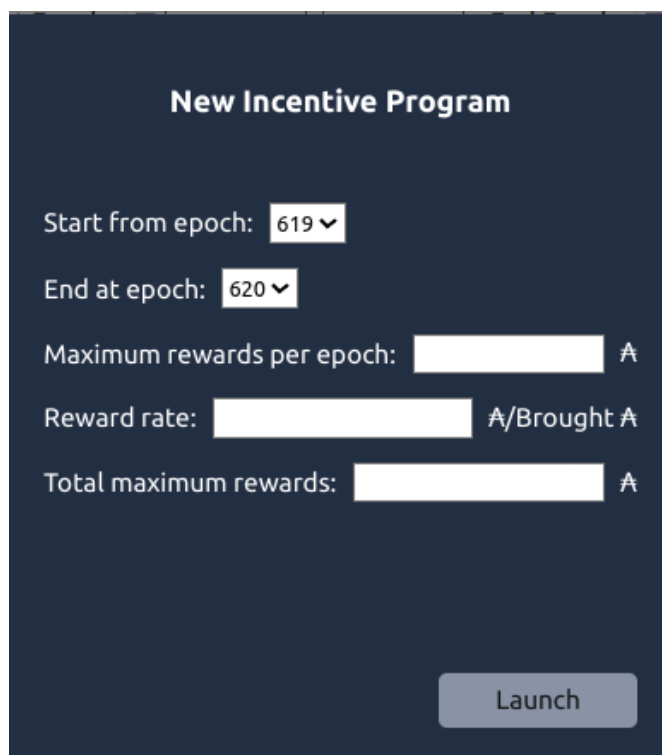
Icon	TICKER	Reward Rate	Start Epoch	Status	End Epoch	Program's Effect on Stake
	KTOP	0.000001 A/Brought A	562	Ended	564	1.51%
	CCDO	0.000005 A/Brought A	586	Ended	590	85.84%
	KTOP	0.000003 A/Brought A	605	Ended	607	14.21%
	HAPPY	0.000025 A/Brought A	607	Ended	616	32.74%

Figure 1-1: Main page showing incentive programs for registered SPOs.

New Incentive Program Creation

This portion is responsible for launching a new incentive program. It is only available for SPO users.



New Incentive Program

Start from epoch: A

End at epoch: A

Maximum rewards per epoch: A

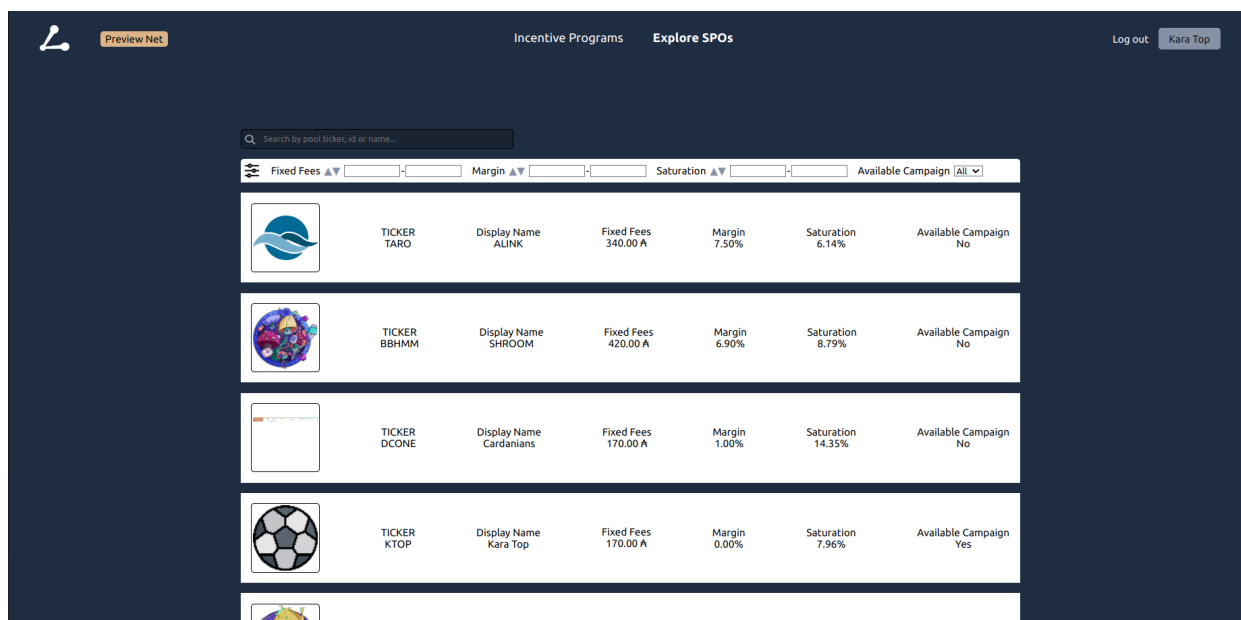
Reward rate: A/Brought A

Total maximum rewards: A

Figure 1-2: Incentive program creation window.

Explore SPOs

This page is for affiliates and the public as well to explore all registered stake pools to the platform. Designed to maximize a positive user experience, the filtering system can be used to order the pools as desired by the user.







	TICKER	Display Name	Fixed Fees	Margin	Saturation	Available Campaign
	TARO	ALINK	340.00 A	7.50%	6.14%	No
	BBHMM	SHROOM	420.00 A	6.90%	8.79%	No
	DCONE	Cardanians	170.00 A	1.00%	14.35%	No
	KTOP	Kara Top	170.00 A	0.00%	7.96%	Yes

Figure 1-3: Explore SPOs page showing all registered SPOs in the platform.

Signing Up

This part is responsible for registering new users to the platform. Both SPOs and affiliates start here to unlock full access to all the provided features of the platform.

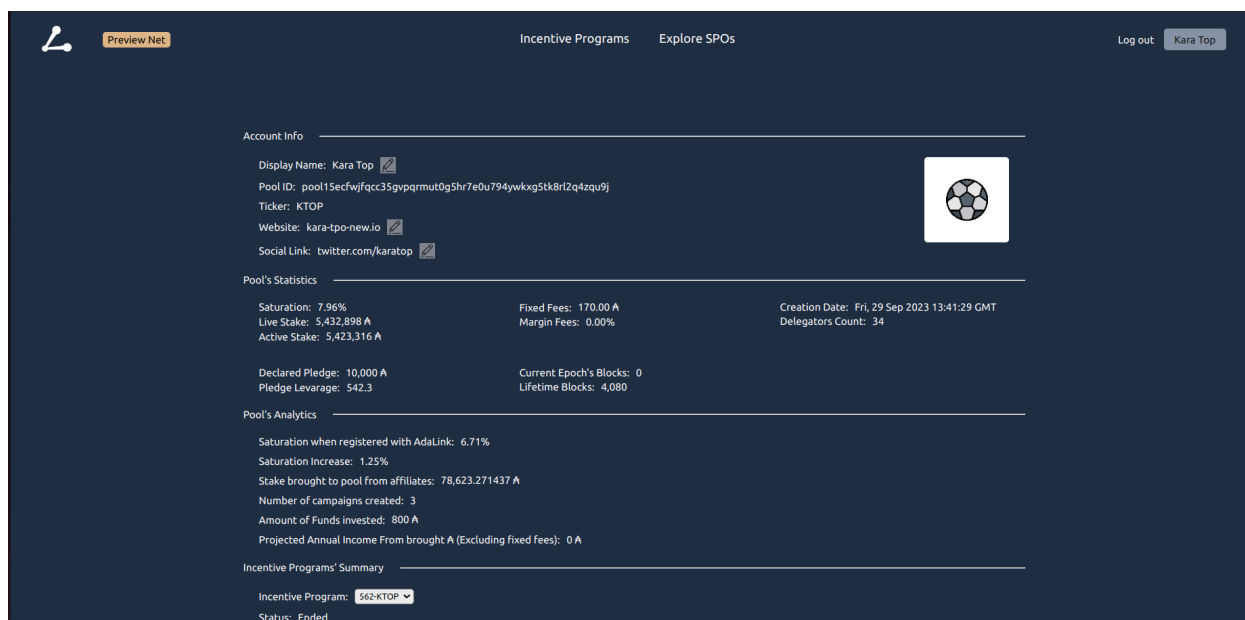


The image shows a 'Sign Up' form on a dark blue background. The form is titled 'Sign Up' in white text. It contains several input fields: 'User Type' with a dropdown menu showing 'SPO', 'Display Name', 'Pool ID', 'Website', 'Social Link', and 'Wallet' with a dropdown menu. To the right of these fields is a white 'Upload' button. At the bottom right of the form is a grey 'Register' button.




Figure 1-4: Sign up window for new users registration.

Profile Pages

Once registered, a user can always visit their profile by clicking on the upper right corner button showing their name. Users can edit, view and study all data related to their profile since the account's creation up till the current moment.



The screenshot shows the user profile page for 'Kara Top'. The page is divided into several sections: Account Info, Pool's Statistics, Pool's Analytics, and Incentive Programs' Summary. The Account Info section includes fields for Display Name, Pool ID, Ticker, Website, and Social Link, each with an edit icon. The Pool's Statistics section displays various metrics such as Saturation, Live Stake, Active Stake, Fixed Fees, Margin Fees, Creation Date, Delegates Count, Declared Pledge, Pledge Leverage, Current Epoch's Blocks, and Lifetime Blocks. The Pool's Analytics section shows metrics like Saturation when registered, Saturation Increase, Stake brought to pool, Number of campaigns created, Amount of Funds invested, and Projected Annual Income. The Incentive Programs' Summary section shows the current Incentive Program and its Status.

Account Info	
Display Name: Kara Top	
Pool ID: pool15ecfwjfcc35gvpqmut0g5hr7e0u794ywxg5tk8r1zq4zu9j	
Ticker: KTOP	
Website: kara-tpo-new.io	
Social Link: twitter.com/karatop	

Pool's Statistics		
Saturation: 7.96%	Fixed Fees: 170.00 A	Creation Date: Fri, 29 Sep 2023 13:41:29 GMT
Live Stake: 5,432,898 A	Margin Fees: 0.00%	Delegates Count: 34
Active Stake: 5,423,316 A		
Declared Pledge: 10,000 A	Current Epoch's Blocks: 0	
Pledge Leverage: 542.3	Lifetime Blocks: 4,080	

Pool's Analytics	
Saturation when registered with AdaLink: 6.71%	
Saturation Increase: 1.25%	
Stake brought to pool from affiliates: 78,623,271,437 A	
Number of campaigns created: 3	
Amount of Funds invested: 800 A	
Projected Annual Income From brought A (Excluding fixed fees): 0 A	


Incentive Programs' Summary	
Incentive Program: 562-KTOP	
Status: Ended	

Figure 1-5: Profile page where each user can edit and view their stats.

Affiliated Delegation Transaction Page

This page is the result of visiting an affiliated link. It is responsible to construct a delegation transaction that can be tracked on-chain later on by the backend to keep up with the performance of the platform and to properly distribute affiliated rewards. For more details about the actual delegation transaction please refer to “Platform’s Architecture” report.

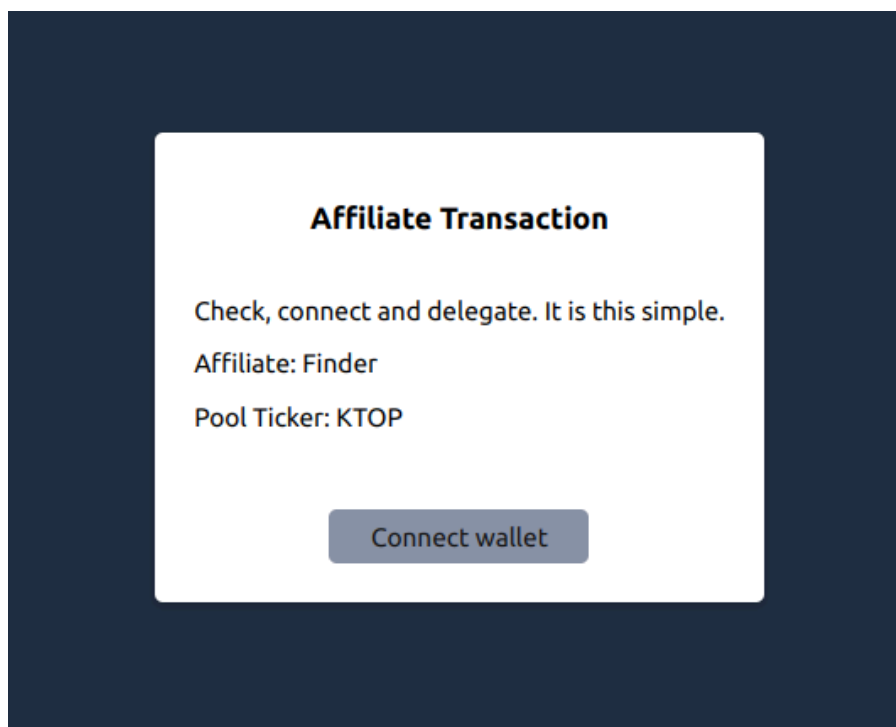


Figure 1-6: Affiliate link page, it automatically creates a trackable delegation transaction.

Feedback Collection

Introduction

This chapter goes over alpha testers feedback and reviews about the initial MVP settings. It consists of two main parts. First part is the comments and reviews related to any bugs both apparent on the UI and undesired actions that are caused from an issue in the backend. Second part consists of general recommendations given by the testers to better the UX of the MVP.

Collected Feedback

Reported Bugs

- The expanded incentive program in the Home page automatically collapses every 10 seconds when the list is refreshed by the dApp.
- The expanded stake pool in the Explore SPOs page automatically collapses every 10 minutes when the list is refreshed by the dApp.
- After registering as a new user (especially as an affiliate) the dApp freezes and cannot correctly redirect to the Profile page as intended.
- "Not enough ADA" when creating a campaign isn't handled properly.
- It takes a long time (10-20 seconds) to show newly created incentive programs on the Home page.
- "Total rewards received from campaigns" and "Total brought ~~A~~ to stake pools" parameters in the Affiliate's Analytics section inside the profile page are not showing correct values.
- "Stake brought to pool from affiliates" parameter in the Pool's Analytics section inside the profile page is not showing the correct value.
- Logging out freezes the dApp and shows a white screen.
- Search results both in the Home and Explore SPOs pages are reset when the page is refreshed to resync the dApp.
- When there are no affiliated delegations for a specific campaign the locked ADA does not get refunded to the SPO as designed.
- Amount of remaining epochs shown in active campaigns are always higher by one epoch.

Submitted Recommendations

- It is more practical to show only the currently active campaigns as the default settings instead of showing both the active and ended ones.
- Including a target saturation percentage within the campaign can concentrate the deposited rewards for the brought ADA, which results in higher reward rate for affiliates given the same deposited ADA amount.

Feedback Review and Implementation

Introduction

This chapter discusses the fixes and improvements inspired by alpha testers' feedback and reviews proposed in the previous chapter. It consists of two main parts. First part is the bug fixes' related actions to any reported bugs, both the apparent ones on the UI and the hidden issues that cause undesired actions mainly originated from the backend part. Second part is the improvements made on the MVP inspired by the alpha testers' recommendations.

Feedback and Implementations

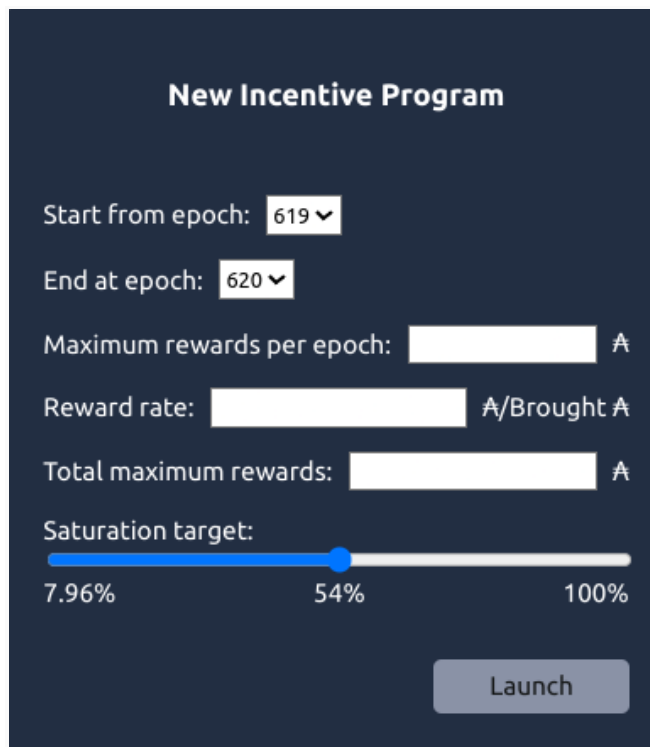
Bug Fixes

- The expanded incentive program is fixed to not collapse by itself when the home page is auto-synced.
- The expanded stake pool is fixed to not collapse by itself when the Explore SPOs page is auto-synced.
- The dApp no longer freezes after a successful user registration and it automatically redirects to the profile page as intended to.
- The “Not Enough ADA” or “Output Exhausted” errors thrown by wallet APIs are handled correctly and a warning message is displayed to the user.
- A clear message explicitly lets the user know that the incentive programs list is synced with the actual Preview testnet and hence an expected 10 to 20 seconds refresh rate is expected until a new campaign is shown.
- “Total rewards received from campaigns” and “Total brought ~~A~~ to stake pools” parameters in the Affiliate's Analytics section inside the profile page is fixed to show the correct values.
- “Stake brought to pool from affiliates” parameter in the Pool's Analytics section inside the profile page is fixed to show the correct value.
- Logging out no longer freezes the dApp.

- Search and filtering results in both the home and Explore SPOs pages no longer resets unintentionally when the page is re-synced with the chain and the backend.
- Bug fixed in the backend so that even if there is no affiliated delegation the SPO correctly gets auto-refunded their deposited ADA of that specific epoch.
- Amount of remaining epochs of a given incentive program is fixed and now shows the correct value.

Feature Improvements

- The default status option when viewing incentive programs is now “Active” instead of “All”. This way only the currently active campaigns are initially displayed. If the user wishes to view those programs who ended they can do so by changing the filtering option.
- A target saturation parameter is added to the “New Incentive Program” window. This slider bar lets the SPO choose the targeted saturation desired to be reached by the end of the campaign. This will result in concentrating the already deposited ADA to affiliates making it more attractive to them without the need for SPOs to deposit a larger amount of ADA.



New Incentive Program

Start from epoch: 619 ▼

End at epoch: 620 ▼

Maximum rewards per epoch: ₳

Reward rate: ₳/Brought ₳

Total maximum rewards: ₳

Saturation target:

7.96% 54% 100%

Launch

Figure 3-1: New added feature “Saturation target”.