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# OnlyTONS

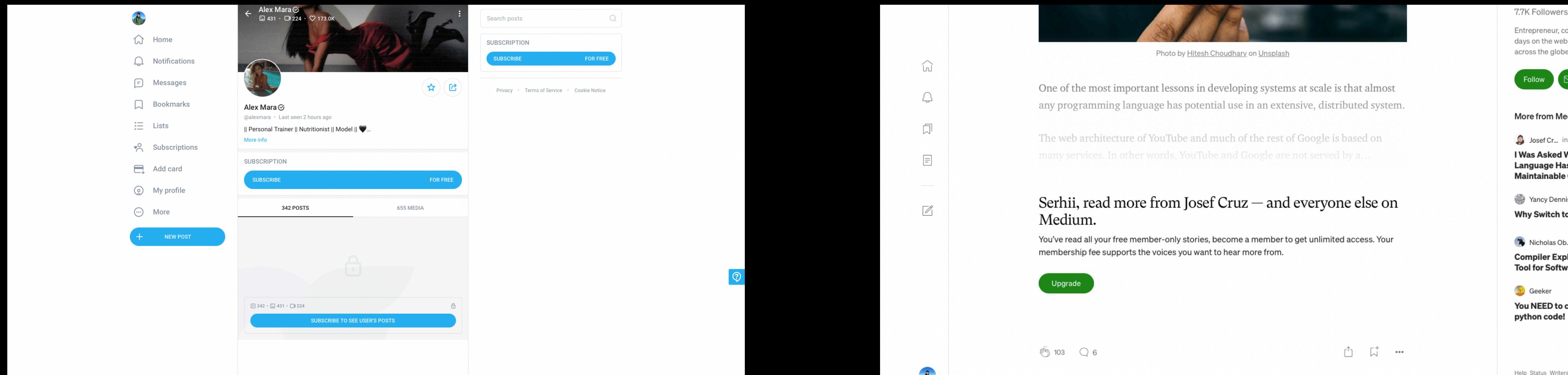
## Hack-a-TON 2022



# About the idea

In this project, we tried to show a different approach to the way how people can sell their photos and accept payments for that. Artists or models can create their own profiles and upload photos. Instead of buying a monthly subscription a fan can choose what photos they want to view and only pay for them.

This approach makes it much easier for users to access and consume content, which in turn has a positive effect on creators, since their content will be viewed by a larger audience.



# How it works:

The platform will be built using TON Instant Payments and work as follows: a payment channel is opened between the artist and the user (fan). The photos are initially blurred until the user decides to view them. When clicking on the photo, the off-chain transaction is created between the fan and the artist. When artist receives a confirmation of the transfer from the fan it gives access to the content.

The mechanics of viewing and purchasing can be organized in different ways: selection and support on click (view), lazy loading of content, during entry into details if it is text content...

# Use cases:

In order to start using the platform a user makes an initial deposit of TON to the payment channel, then each time choosing content to view, the platform makes transaction from the user's balance and collects signatures. When the session ends at the user's discretion, the channel is closed and the funds are distributed to creators.

# Distribution of funds

The part that was charged for viewing / purchasing content is divided between the platform and the creator of the content being viewed. With the use of Payments Channel Network the process can be trustless and safe, since conditional payments will be used and the platform will agree to a fixed fee beforehand. The platform takes part to maintain the product, the rest goes to the content creator, the rest of the deposited balance is returned to the user (fan).

This screenshot shows a blockchain wallet interface for a fan. At the top, it displays the address `EQCmQ5KWQrYgjjb1AxyQ3-0xx035qGnJBXnyH-72JJzK3YWI`, a balance of `2.194324953 TON`, and the last activity as "1 hour ago". The state is marked as "Active". Below this, the "TRANSACTIONS" tab is selected, showing a list of recent transactions:

Age	From	To	Value
1 hour ago	<code>EQAFpxWjMLdUuWPQr62-bX7vCWDf7L... zsln77An</code>	<code>EQCmQ5KWQrYgjjb1AxyQ3-0xx035qG... JJzK3YWI</code>	1.417813959 TON
1 hour ago	<code>EQCmQ5KWQrYgjjb1AxyQ3-0xx035qG... JJzK3YWI</code>	<code>EQAFpxWjMLdUuWPQr62-bX7vCWDf7L... zsln77An</code>	0.05 TON
1 hour ago	<code>EQCmQ5KWQrYgjjb1AxyQ3-0xx035qG... JJzK3YWI</code>	<code>EQAFpxWjMLdUuWPQr62-bX7vCWDf7L... zsln77An</code>	0.05 TON
1 hour ago	<code>EQCmQ5KWQrYgjjb1AxyQ3-0xx035qG... JJzK3YWI</code>	<code>EQAFpxWjMLdUuWPQr62-bX7vCWDf7L... zsln77An</code>	2.05 TON
1 hour ago	<code>EQAFpxWjMLdUuWPQr62-bX7vCWDf7L... zsln77An</code>	<code>EQCmQ5KWQrYgjjb1AxyQ3-0xx035qG... JJzK3YWI</code>	0.047699 TON
1 hour ago	<code>EQCmQ5KWQrYgjjb1AxyQ3-0xx035qG... JJzK3YWI</code>	<code>EQAFpxWjMLdUuWPQr62-bX7vCWDf7L... zsln77An</code>	0.05 TON
1 hour ago	<code>EqA-IBFzUcNYedITA8LwEhx2kJ5d... NMppfmKm</code>	<code>EQCmQ5KWQrYgjjb1AxyQ3-0xx035qG... JJzK3YWI</code>	3 TON

Fan pays all the fees

This screenshot shows a blockchain wallet interface for an artist. At the top, it displays the address `EQDigtbFvoU0lhZ_XD5aZ9f2Nj090yXFg6SyUKgWDLb_ogLY`, a balance of `0.699 TON`, and the last activity as "1 hour ago". The state is marked as "Inactive". Below this, the "TRANSACTIONS" tab is selected, showing a single transaction from the fan's account:

Age	From	To	Value
1 hour ago	<code>EQAFpxWjMLdUuWPQr62-bX7vCWDf7L... zsln77An</code>	<code>EQDigtbFvoU0lhZ_XD5aZ9f2Nj090yXFg6SyUKgWDLb_ogLY</code>	0.699 TON

Artist receives a single payment at the end

# Prototype

In the prototype, we introduced the possibility to sell photos by the creator with the ability to provide access to the created page via a link. The user with the purpose of viewing (fan) has the opportunity to pay only for the content being viewed instead of the usual classic approaches - a monthly subscription.

**OnlyTONs**

**For Creator**

Your temporary wallet: [EQCo8NIkY0zPXHQ-ExokbRPj6kV7Fbi9FgvDKI8m6bErocZG](#)

Photo 1  
Price 0.1 TON

Photo 2  
Price 0.1 TON

Photo 3  
Price 0.3 TON

Photo 4  
Price 0.4 TON

Photo 5  
Price 0.5 TON

Photo 6  
Price 0.6 TON

**Publish page**

**OnlyTONs**

**For Guest**

Channel Status: Smart-contract is being deployed...

Your temporary wallet: [EQBZzzIS4N8B9qpIRGPBRcg1AU4aloONU4p2KEna\\_JAqrakY](#)

Smart-contract address: [EQD1apxhYWQQhlpVzfidict7HdzUxqatAnZt7aisqHnK7FX](#)

Photo 1  
Price 0.1 TON

Photo 2  
Price 0.1 TON

Photo 3  
Price 0.3 TON

Photo 4

Photo 5

Photo 6

**Start payment channel**

**Thank you!**