

Free TON DeBot Browser

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Source Code:

<https://github.com/Strafi/Free-TON-DeBot-Browser/tree/master>

Contest version located in branch 'master'!

Deployed Version: <https://free-ton-debot-browser.herokuapp.com/>

Features

The represented solution implements the following DeBot Interfaces (according DeBot-IS-consortium):

- Address Input
- Amount Input
- Confirm Input
- Echo
- Menu
- Number Input
- Stdout
- Terminal

Of Course, all other new interfaces from the consortium will be supported later.

Approve Window:

Permission Request

DeBot is going to create an onchain transaction:

Account:	0:2a92e3d01c530697a0ec3ab5c3494474faa7e a0af5fa30d4ed508115bc9957a7
Transaction fees:	0.181761589 tokens
Message signer public key:	84c308010ac6bd1cba17e315fa137aa3b8d23f36 ccac6d6895176e34e3538a70

Outgoing transfers from account:

Recipient	Amount
0:bf3b4f00664930f9b182dd2d1f154b2fc77918 55ea4816b376ef570b8e47bb48	9.858853 tokens

Confirm

Decline

(All accounts have links to ton.live)


In the Signing Box user has two options: enter the seed phrase or upload his keypair (including drag-n-drop functionality)

Signing Box

We **DON'T** store your keys or seed phrase.

Enter seed phrase:

OR

An icon representing a document with a key, symbolizing a keypair file. The document is a rectangle with rounded corners and a folded top-right corner, containing three horizontal lines. A key is positioned to the right of the document, overlapping its bottom edge.

Upload keypair file

Extra Features

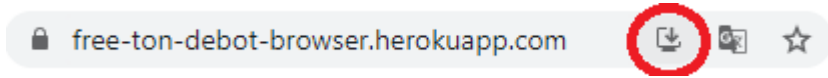
Besides the required ability to browse SMV and TIP-3 DeBots, you can browse any DeBot that uses interfaces mentioned above. Also, the following application features were implemented

- Installable as PWA
- Main and Dev networks support
- Custom user environment
- Saving DeBots locally

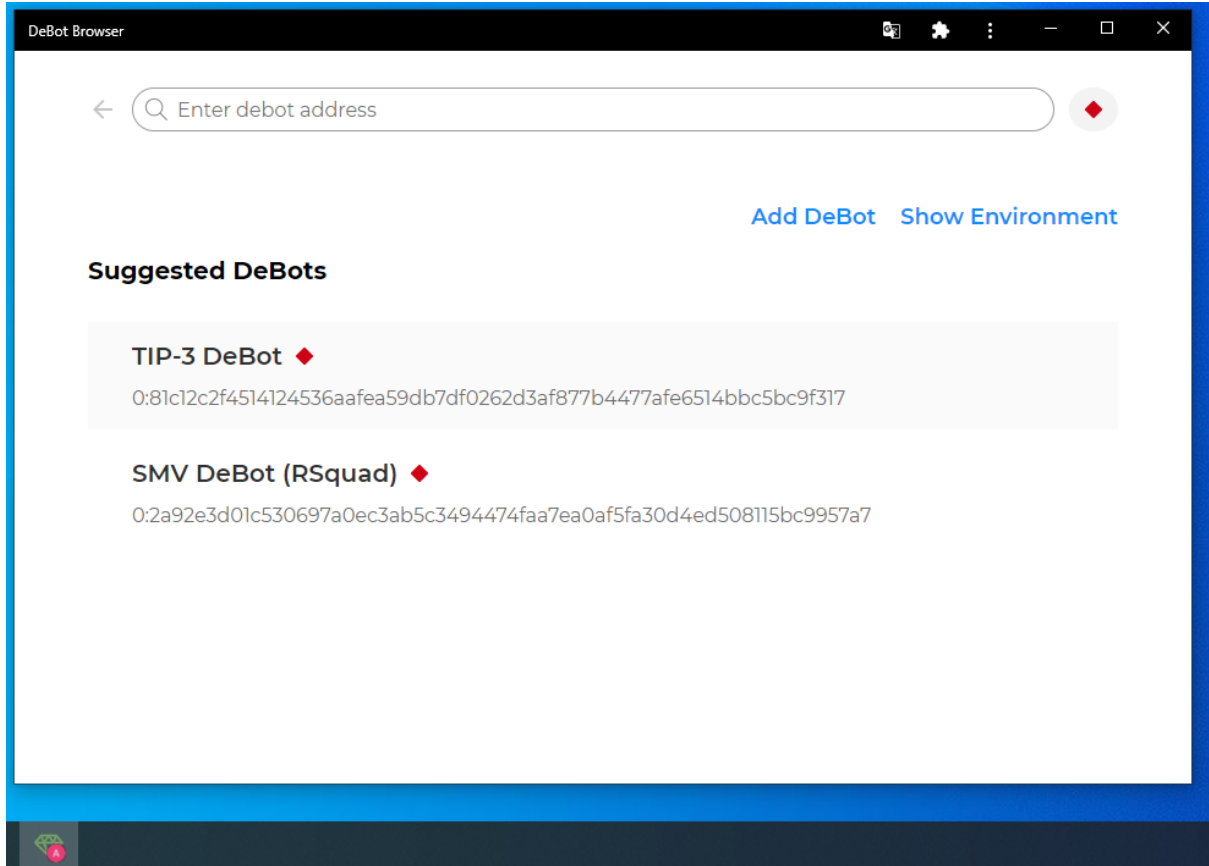
Installable as PWA

DeBot browser is a Progressive Web Application (PWA), which means that users can easily “install” it using Chrome browser (or any other browser that runs on Chromium engine).

To “install” DeBot browser, user needs to click on this icon placed on the right side in browser url bar:



Then, application will be automatically opened as PWA (also shortcut on desktop will be created):



Main and Dev networks support

Users can switch between networks using control placed near the in-app url bar:



Custom user environment

Users can store something to use later (address or public key, for example) using the custom user environment.

Warning! This storage is not encrypted, so you should not store private keys or seed-phrase here.

[Restart DeBot](#) [Save DeBot](#) [Show Environment](#)

×	TIP_3_PK	532fe0a38d3ff593a002c2c19ec0c6c57a 6c8e1788c1c361dd7a28d78e5000e7
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Key : Value

[Add variable](#)

Key attached to your account:

But that is not all! Saved variables can be accessed from inputs using '\$' prefix (the same way as in the UNIX terminal)

Enter public key attached to your account:

[Send](#)

Enter TIP3 name:

[Send](#)

And also you can copy variable value to clipboard by clicking on it

×	TIP_3_PK	532fe0a38d3ff593a002c2c19ec0c6c57a 6c8e1788c1c361dd7a28d78e5000e7
---	----------	--

Key : Value

Copied to clipboard! [Add variable](#)

Saving DeBots locally

Users can make bookmarks for DeBots they use often, just like in a simple browser:

← 🔍

[Restart DeBot](#) [Save DeBot](#) [Show Environment](#)

Enter domain

Enter... [Send](#)

DeBot name

DeBot address

[Add to list](#)

(pre-filled if user is on the DeBot page)

[Add DeBot](#) [Show Environment](#)

Suggested DeBots

TIP-3 DeBot

SMV DeBot

DeBot name

DeBot address


[Add to list](#)

(not pre-filled if user on the main page)

Saved DeBots appear on the main page:


[Add DeBot](#) [Show Environment](#)

Your saved DeBots

DeNS 

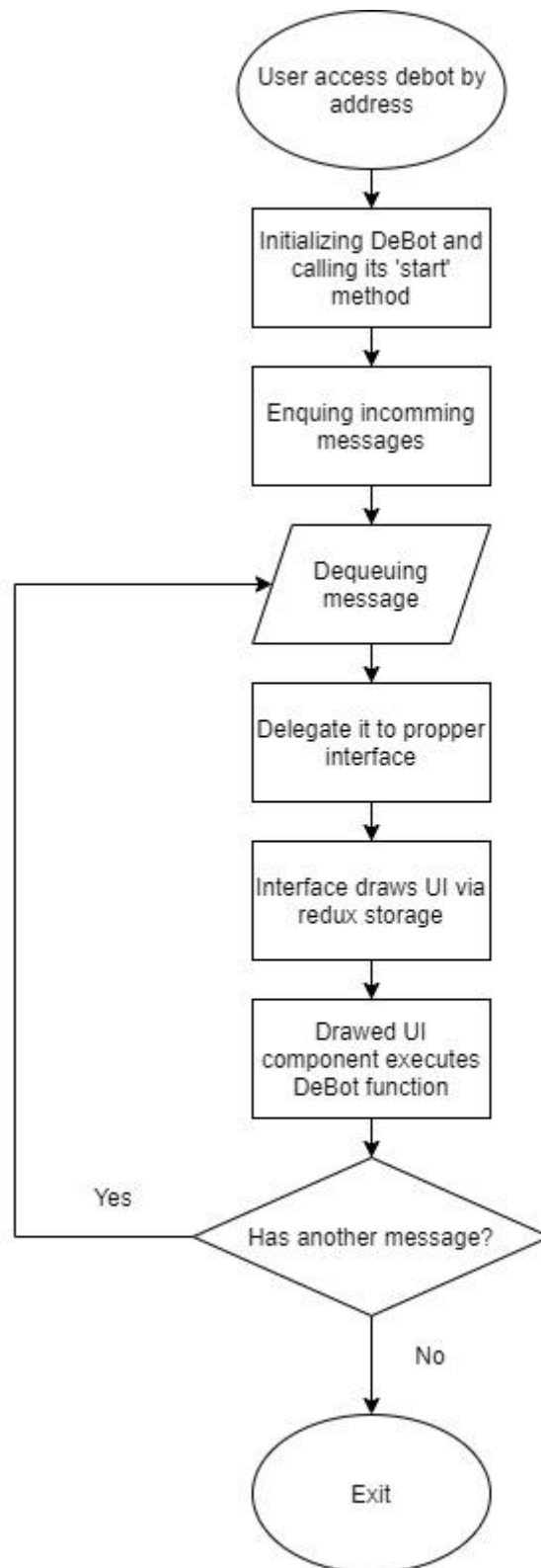
0:c22300f9851e4fc9c246c3b605c521415407d95b272f0624a5e8f0d01ef25f27

Suggested DeBots

TIP-3 DeBot 

0:81c12c2f4514124536aafea59db7df0262d3af877b4477afe6514bbc5bc9f317

Browser algorithm



How To Run

If you don't want (or can not) to install the software mentioned below, you can access the pre-build DeBot browser by this link:

<https://free-ton-debot-browser.herokuapp.com/>

Pre-requirements

To run the application locally, you need **node.js** and **yarn** or **npm** installed on your device.

Clone the repository using git and navigate into it. Then, depending on which package manager you had installed, execute **yarn** or **npm install**.

Run pre-build app

Depending on which package manager you had installed, execute **yarn serve** or **npm run serve**. This command will run a local server with your own DeBot Browser.

Build from source

Depending on which package manager you had installed, execute **yarn build** or **npm run build**. This command will create a new build (it will appear in the 'build' folder) that you can deploy to any hosting you wish. Also, you can deploy it locally using **yarn serve** or **npm run serve**.