

## On-line auctions implementation

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Ton.surf:

*0:7dab3d2563d1d225e646cb6eb0b17752a6dde9db6a91cfcf6c06ba2754af7350*

### Source code & Readme:

<https://github.com/AlexBSoft/TonSimpleAuction>

### Sample Root in Devnet

*0:0eb6fef10aa7f2496c8f43c5b120ae01a2f0661508184b98b9b0c8f44052b709*

### Sample DeBot in Devnet

*0:ed64f712d1c8e263cbaf338944f1a78e8beaa3acc5534c57e759471a342a4868*

## Ton Simple Auction

This project implements simplified English & Dutch Auctions if Free TON smart contracts.

The system consists of 3 contracts:

- SimpleRoot (aka Auction deployer)
- SimpleAuction (Auction itself, English or Dutch variant)
- DeBot (Auction interface)

### Key idea

Why these Auctions are simple? Because bid is a simple transfer to contract. No need to deploy new contracts for every bid (waste of gas), bid is a just transaction.

It makes easy to place bids using every wallet and client. No need to know Auction contract ABI, just know its address and you are ready.

Also, it makes these contracts more flexible, you can easily integrate it into every project.

### Features

- Flexible
- Scalable
- Easy to use

- Just 200 lines of code
- Transparent
- Events
- Transfers as bids

## Tests

Tests made using mocha and.

Run *npm run test:common* for full test on local node.

## Deploy

Run *npm run test:deploy* for deploy contracts and DeBot to Devnet.

## Documentation

**For full documentation read [Readme.md in project repository on GitHub](#)**

# DeBot

DeBot allows user to interact with smart contracts. Not finished yet.

Sell things! Buy things!

What do you want to do?

I want to create new auction

Enter name (description):

TestAuction

Type Start Price

10

Enter Duration (sec):

300000

How would you like to sign?

Sign with Surf

Sending message

2e8af1c537aee2430b8d9bed7778170c6e8c8f413808729bc948b381b4a4f1fb

Auction created with address:

0:4e911fe62d6a307c605a7dd71651506204b8e8cfdb1fd792f2803be8e9c96121

Figure 1 - Auction creation in ton.surf

[illegible]

Figure 2 - DeBot in tonos-cli