eosio.token

@owner: eosio.prods @active: eosio.prods

alice: 100 EOS, 0 XYZ -0 EOS

bob: 50 EOS, 0 XYZ dan: 0 EOS, 25 XYZ

emily: 0 EOS, 50 XYZ

exchange: 0 EOS, 0 XYZ +100 EOS

exchange

@owner: exowner.prods @active: exowner.prods

@eosio.transfer: exchange@eosio.code

alice: 100 EOS, 0 XYZ

bob: 50 EOS, 0 XYZ

dan: 0 EOS, 25 XYZ

emily: 0 EOS, 50 XYZ

1. alice deposites into exchange

exchange::deposit eosio.token::transfer ["alice","exchange","100 EOS"]

eosio.token @owner: eosio.prods @active: eosio.prods

alice: 0 EOS, 0 XYZ +100 EOS

bob: 50 EOS, 0 XYZ

dan: 0 EOS, 25 XYZ

emily: 0 EOS, 50 XYZ

exchange: 100 EOS, 0 XYZ -0 EOS

exchange

@owner: exowner.prods @active: exowner.prods

@eosio.transfer: exchange@eosio.code

alice: 100 EOS, 0 XYZ 0 EOS

bob: 50 EOS, 0 XYZ

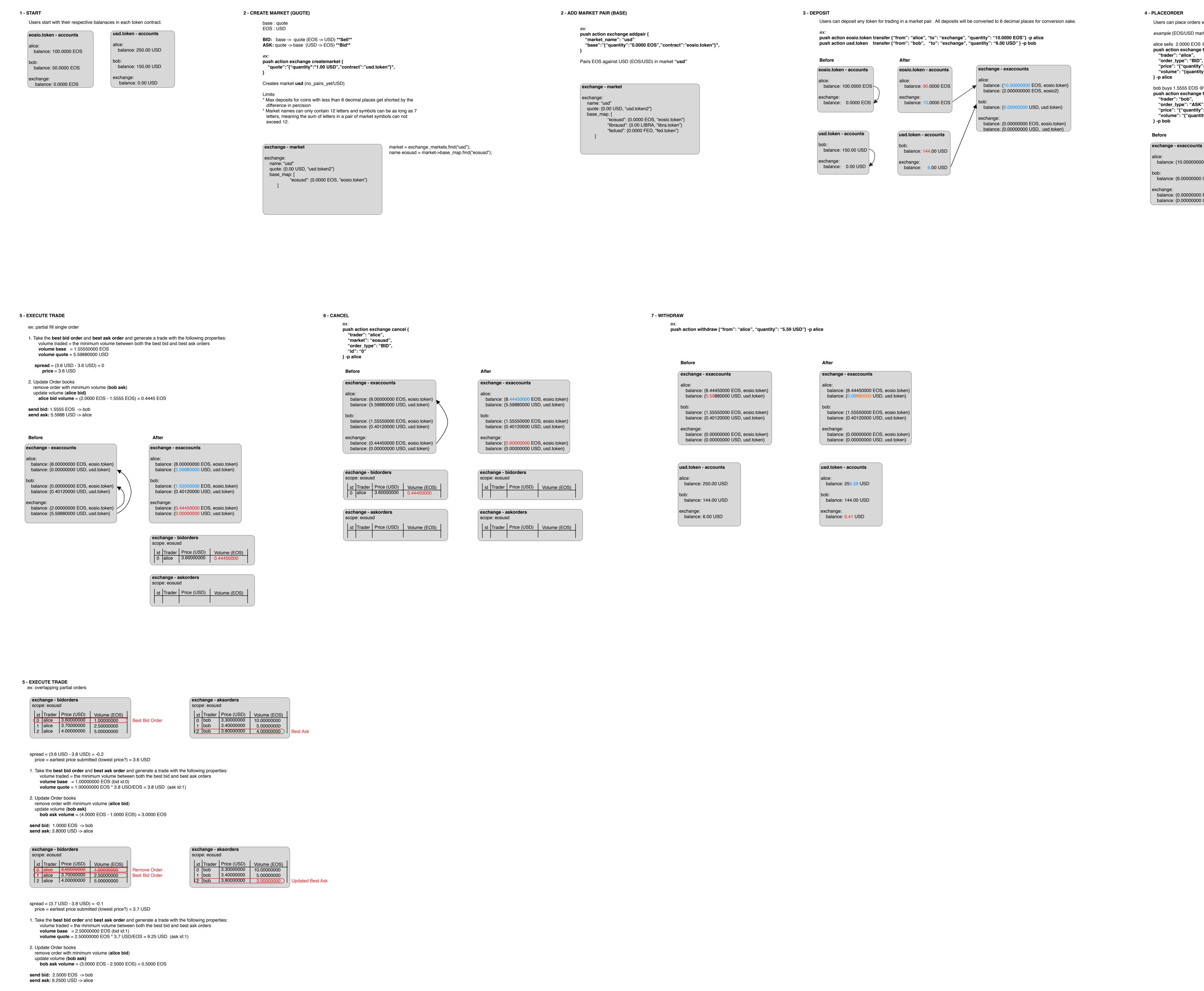
dan: 0 EOS, 25 XYZ

emily: 0 EOS, 50 XYZ

2. alice withdrawl from exchange

exchange::withdrawl

require_auth(to)
eosio.token::transfer ["exchange","alice","100 EOS"]



exchange - bidorders scope: eosusd

id Trader Price (USD) Volume (EOS)

exchange - aksorders

 id
 Trader
 Price (USD)
 Volume (EOS)

 0
 bob
 3.30000000
 10.00000000

 1
 bob
 3.40000000
 5.00000000

 2
 bob
 3.80000000
 0.500000000

 Updated Best Ask

scope: eosusd

Users can place orders with their exaccount balance within a market.

"price": "{"quantity": "3.60 USD", "contract": "usd.token"}",

"price": "{"quantity": "3.60 USD", "contract": "usd.token"}",

"volume": "{"quantity": "1.5555 EOS", "contract": "eosio.token"},

"volume": "{quantity": "2.0000 EOS", "contract": "eosio.token" }"

bob buys 1.5555 EOS @ 3.6 USD each (1.5555 EOS * 3.6 USD/EOS = 5.5988 USD)

exchange - exaccounts

exchange - bidorders

exchange - askorders

scope: eosusd

balance: {8.00000000 EOS, eosio.token}

balance: {0.40120000 USD, usd.token}

balance: {2.00000000 EOS, eosio.token}

balance: {5.59880000 USD, usd.token}

scope: eosusd { EOS eosio.token, usd.token}

 id
 Trader
 Price (USD)
 Volume (EOS)

 0
 bob
 3.60000000
 1.55550000

 id
 Trader
 Price (USD)
 Volume (EOS)
 type

 0
 alice
 3.60000000
 2.00000000
 eosio.token

 1
 alice
 3.6

example (EOS/USD market):

push action exchange trade {

push action exchange trade {

"order_type": "ASK",

"trader": "alice", "order_type": "BID",

"trader": "bob",

} -p alice

} -p bob

alice sells 2.0000 EOS @ 3.6 USD each

balance: {10.00000000 EOS, eosio.token}

balance: {6.00000000 USD, usd.token}

balance: {0.00000000 EOS, eosio.token}

balance: {0.00000000 USD, usd.token}