Quick API reference

Version 1.1f

3 Jul 2021

The filter object is used in some calls.

```
filter Object
{
 boolean buy;
 boolean sell;     // both can be true and false
 long fromccyid;
 long toccyid;
 List<Long> payTypes; //: [ pay ids,.. ], <empty is wildcard>
 List<String> status; // empty is wildcard
 double fromamt;
}
```

Like This = recently changed, please recheck your code

/auth/signin - Sign in / User object

After correct login user object is returned:

```
{
  "cid": 10000001,        ===>  ignore
  "username": "user1",
  "blurb": "",            ===>  ignore
  "feedback": 0,
  "lastseen": "2021-07-03 17:12:24.971",
  "tradecount": 0,
  "countryISO": "GBR",
  "token":
"eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJ1c2VyMSIsInJvbGVzIjoiUk9MRV9VU0VSIiwiaWF0IjoxNjI1MzI5MjY0LCJleHAiOjE2MjUzMzI4NjR9
.nmy90CLgSMhjU_etwfhBFGQGN8xIJPe609SXYlhsLcE",
  "expirymins": 60,
  "payDetails": [
    {
      "id": 2,    ===>  ignore
      "payType": {
        "id": 1,
        "name": "Bank Transfer",
        "enabled": true,
        "field1name": "Bank Name",
        "field2name": "Sort Code",
        "field3name": "Account Number",
        "field4name": "IBAN",
        "field5name": "Country"
      },
      "field1value": "my bank name",
      "field2value": "my sort code",
      "field3value": "My account number",
      "field4value": "My IBAN",
      "field5value": "United Kingdom",
      "usernotes": "",   ===>  ignore
      "timesUsed": 0,    ===>  ignore
      "updated": "2021-07-03 17:12:24.981"    ===> ignore
    }
  ],
  "feepct": 0.0015    ===> use this to calculate the fee      =  crypto ERC20 (USDT) value x feepct
}
```

Example user with NO pay details set up

```
{
  "cid": 10000003,
  "username": "user3",
  "blurb": "",
  "feedback": 0,
  "lastseen": "2021-07-03 17:12:25.162",
  "tradecount": 0,
  "countryISO": "GBR",
  "token":
"eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJ1c2VyMyIsInJvbGVzIjoiUk9MRV9VU0VSIiwiaWF0IjoxNjI1MzMwMDQ5LCJleHAiOjE2MjUzMzM2NDl9
.IYEVC2gzoEB0JH59hy_nGQVPGV9MQL2j3HZAOoP5aq0",
  "expirymins": 60,
  "payDetails": [],
  "feepct": 0.0015
}
```

Paydetails

Only 1 type of payment method used for this version

Return result from `v1/public/paymenttypes.json`

```
[
{
  "id": 1,
  "name": "Bank Transfer",
  "enabled": true,
  "field1name": "Bank Name",
  "field2name": "Sort Code",
  "field3name": "Account Number",
  "field4name": "IBAN",
  "field5name": "Country"
}
]
```

Example User Object paydetails

```
"payDetails": [
  {
    "id": 2,      ===>  ignore
    "payType": {
      "id": 1,
      "name": "Bank Transfer",
      "enabled": true,
      "field1name": "Bank Name",
      "field2name": "Sort Code",
      "field3name": "Account Number",
      "field4name": "",          < --- any field empty string, do not display this component
      "field5name": "Country"
    },
    "field1value": "my bank name",
    "field2value": "my sort code",
    "field3value": "My account number",
    "field4value": "Not empty string here",
    "field5value": "United Kingdom",
```

display mapping like this:

```
Bank Name      =  my bank name
Sort Code      =  my sort code
Account Number =  My account number
Country        =  United Kingdom

field4name = field4value  is not displayed because it is empty string in paytype
```

User signup (POST) `v1/public/usersignup.json`

Post body:
```
{
  username : "newuser",
  email :   "email@emaildomain.com",
  phone :   "+44 556663399",
  countryISO : "GBR"
}
```

Return result

```
RespStatus
{
  "msg": "message to display if statusCode != 0",
  "statusCode": 0
}
```

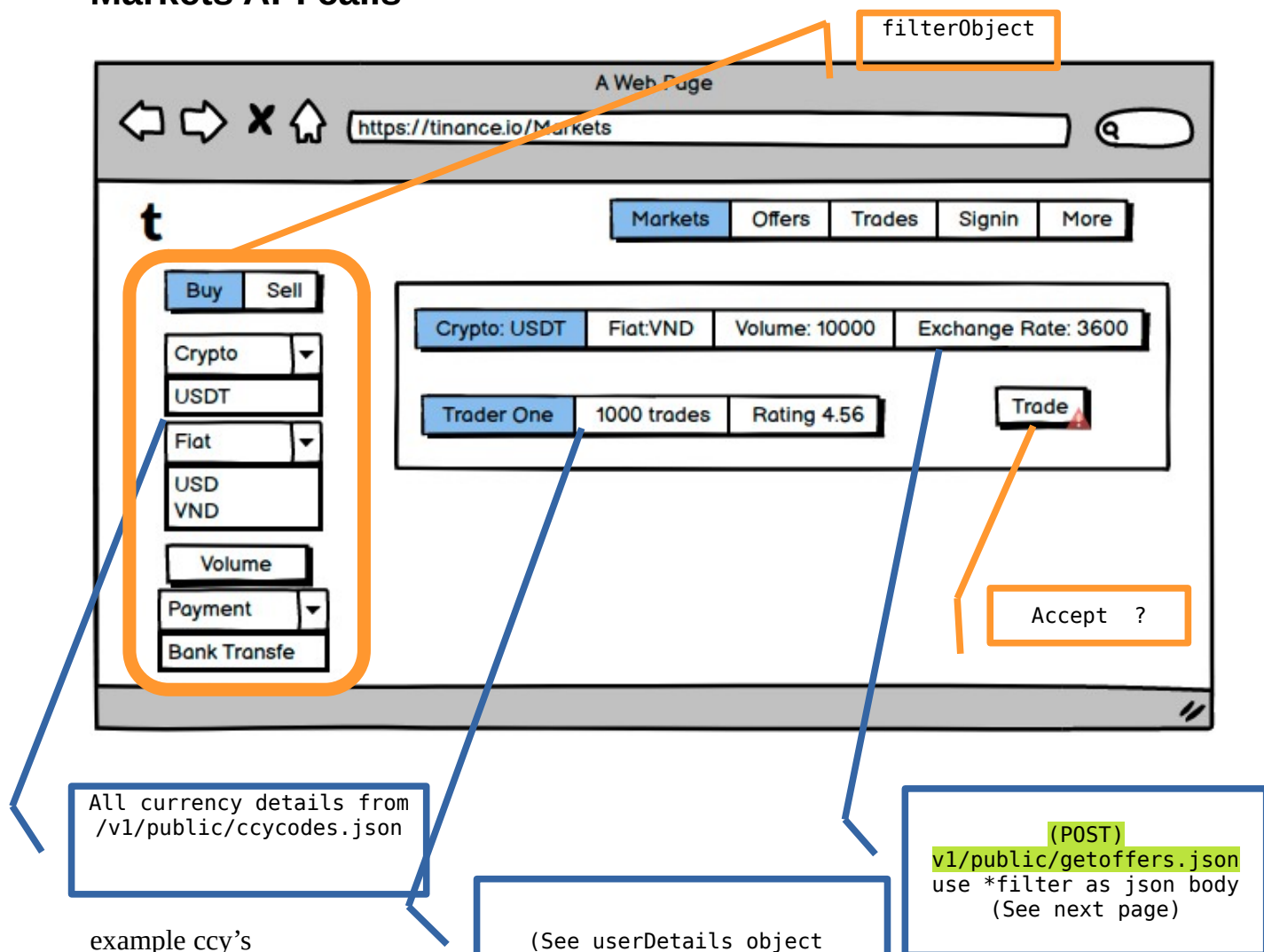## Forgot Password (POST) `v1/public/forgotpwd.json`

Can post username OR email — do not need both

```
{
  username : "newuser",
  email :   "email@emaildomain.com",
}
```

Return result

```
RespStatus
{
  "msg": "message to display if statusCode != 0",
  "statusCode": 0
}
```

Markets API calls

filterObject

A Web Page

https://tinance.io/Markets

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Buy Sell

Crypto ▼
USDT
Fiat ▼
USD
VND
Volume
Payment ▼
Bank Transfe

| Crypto: USDT | Fiat:VND | Volume: 10000 | Exchange Rate: 3600 |

| Trader One | 1000 trades | Rating 4.56 |

Trade ⚠

Accept ?

All currency details from
/v1/public/ccycodes.json

(See userDetails object
next page)

(POST)
v1/public/getoffers.json
use *filter as json body
(See next page)

example ccy's

```
{
    "id": 8,
    "name": "USD",
    "description": "United States Dollar",
    "enable": true,
    "ccyType": "Fiat",
    "tokenCtrAddress": "",
    "timestamp": 1624576320000
},
{
    "id": 9,
    "name": "USDT",
    "description": "Tether USD Anchor",
    "enable": true,
    "ccyType": "ERC20",
    "tokenCtrAddress": "0xeEd7C9D32a6Db131c638C3E475F66908446D80eC",
    "timestamp": 1624576320000
},
```
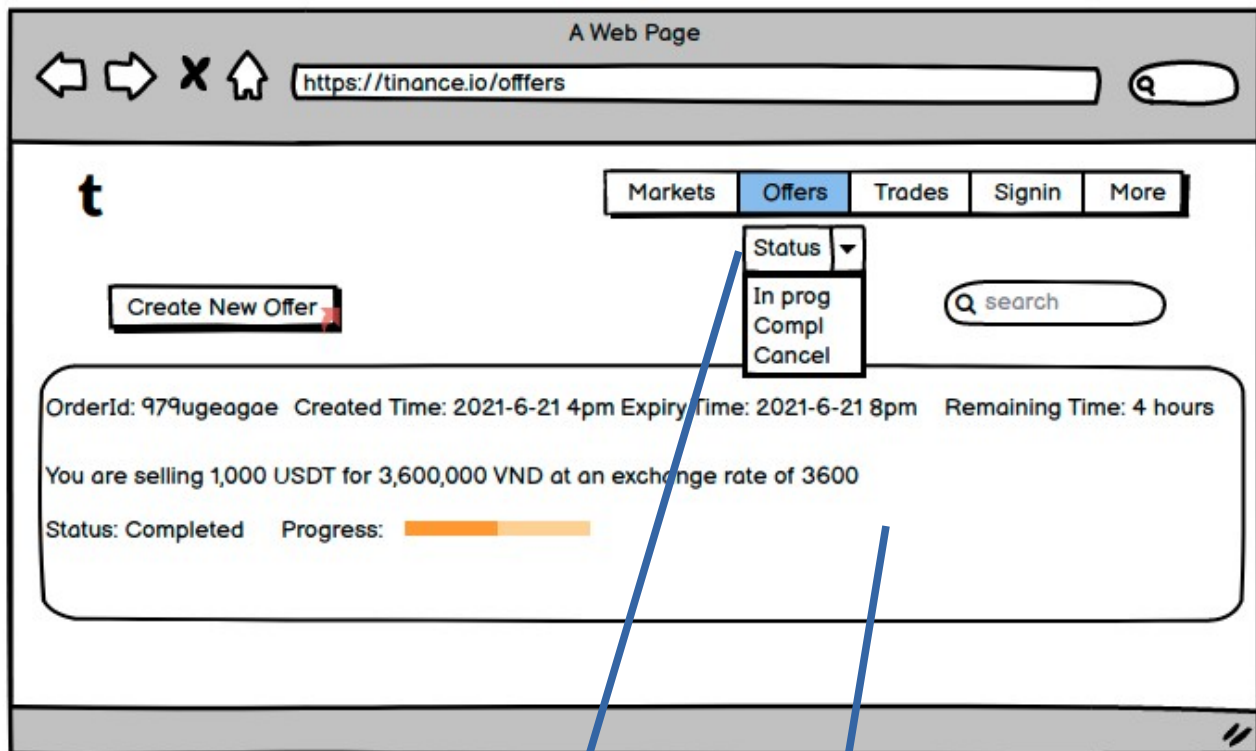
example payment types

```
{
    "id": 1,
    "name": "Bank Transfer",
    "enabled": true,
    "field1name": "Bank Name",
    "field2name": "Sort Code",
    "field3name": "Account Number",
    "field4name": "IBAN",
    "field5name": "Country"
},
```

fieldnames are the fields to populate when entering details. Each payment type will have 5 fields and may be different from above example.

Return result from `v1/public/getoffers.json`

```json
{
    "buyer": true,    ===>  show as "SELL"   when buyer=false, show as "BUY"
    "complete": false,     ==> Only display as offer when complete = false
    "created": "2021-06-27T14:26:31.329Z",
    "custRef": "string",
    "exchRate": 1.6750,         ===>   exchange rate
    "expiry": "2021-06-27T14:26:31.329Z",  ===> Display this as moment() i.e. 3 days 5 hours remaining
    "feeAmt": 0,
    "fromAmount": 0,
    "fromccy": {
      "ccyType": "ERC20",
      "description": "string",
      "enable": true,
      "id": 0,
      "name": "USDT",
      "timestamp": "2021-06-27T14:26:31.329Z",
      "tokenCtrAddress": "string"
    },
    "id": 0,
    "inProg": true,
    "live": true,              ====> must be true to display this
    "orderId": "a56e3ad563",    ===> system order id, display this if possible
    "userDetails": {          // new object added
      "cid": 10000001,      ===>  ignore
      "blurb": "user personal statement",
      "countryISO": "GBR",      // user country
      "feedback": -1,           // rating 1..5 stars   -1 = no ratings yet – do not show as zero stars
      "lastseen": "2021-06-29T15:52:56.573Z",
      "token": "",            // always empty, do not use
      "tradecount": 0,        // number of trades
      "username": "bloggsy-trader"    // trader user name
      "expirymins": 0,         ===>  ignore
      "payDetails": [],         ===>  ignore
      "feepct": 0.0             ===>  ignore
    },
    "paymentDetails": [
      {
        "field1value": "string",
        "field2value": "string",
        "field3value": "string",
        "field4value": "string",
        "field5value": "string",
        "id": 0,
        "payType": {
          "enabled": true,
          "field1name": "string",
          "field2name": "string",
          "field3name": "string",
          "field4name": "string",
          "field5name": "string",
          "id": 0,
          "name": "Bank Transfer"          ===> which payment type accepted
        },
        "timesUsed": 0,
        "updated": "2021-06-27 14:26:31.329",
        "usernotes": "string"
      }
    ],
    "procStatus": "IN_PROGRESS",
    "remainCryptoAmt": 1000,     ===> show this as remaining crypto volume,
    "toAmount": 0,
    "toccy": {
      "ccyType": "Crypto",
      "description": "string",
      "enable": true,
      "id": 0,
      "name": "VND",
      "timestamp": "2021-06-27 14:26:31.329",
      "tokenCtrAddress": "string"
    },
    "updated": "2021-06-27 14:26:31.329",
    "userId": 1,
}
```

Offers API calls

A Web Page

https://tinance.io/offfers

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Status ▼
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🔍 search

Create New Offer

OrderId: 979ugeagae   Created Time: 2021-6-21 4pm Expiry Time: 2021-6-21 8pm   Remaining Time: 4 hours

You are selling 1,000 USDT for 3,600,000 VND at an exchange rate of 3600

Status: Completed   Progress:

After logging in…

** STATUS FILTER

```
        Use filter object
             Set
    status["IN_PROGRESS"]
            or
      status["COMPLETE"]
             etc
```

```
         (POST)
    v1/getmyoffers.json

 use *filter as json body
    (See result below)
```

status vaules are:
```
    UNKNOWN,
    EDIT, // order is being edited
    CREATED,//("Order has been placed"),
    CANCELLED,//("Order was cancelled");
    IN_PROGRESS,//("Order is in progress"),
    COMPLETE,//("Order is finished"),
    EXPIRED,
    DELETED;
```

Progress stages 1/3 = CREATED, 2/3= IN_PROGRESS, 3/3= COMPLETE

*Alternate progress – show volume traded / original volume

Show as red/yellow CANCELLED or EXPIRED or DELETED

Return result from `v1/getmyoffers.json`

```
{
    "buyer": true,        ====> BUY==true  SELL==false
    "complete": true,
    "created": "2021-06-28 07:28:30.887",
    "custRef": "string", ===> add to panel as customer reference
    "exchRate": 0,
    "expiry": "2021-06-28 07:28:30.887",    ====> as 'expiry' and (calculate) 'remainig time'
    "feeAmt": 0,
    "fromAmount": 232444,  ====> original amount
    "fromccy": {
      "ccyType": "ERC20",
      "description": "string",
      "enable": true,
      "id": 0,
      "name": "USDT",
      "timestamp": "2021-06-28T07:28:30.887Z",
      "tokenCtrAddress": "string"
    },
    "id": 0,
    "inProg": true,
    "live": true,
    "orderId": "9a87ef45",
    "paymentDetails": [
      {
        "field1value": "string",
        "field2value": "string",
        "field3value": "string",
        "field4value": "string",
        "field5value": "string",
        "id": 0,
        "payType": {
          "enabled": true,
          "field1name": "string",
          "field2name": "string",
          "field3name": "string",
          "field4name": "string",
          "field5name": "string",
          "id": 0,
          "name": "Bank Transfer"  ===> add this to the panel (each item in array)
        },
        "timesUsed": 0,
        "updated": "2021-06-28T07:28:30.887Z",
        "usernotes": "string"
      }
    ],
    "procStatus": "IN_PROGRESS",     === as status
    "remainCryptoAmt": 153320, ====> remaining amount
    "toAmount": 4533224,
    "toccy": {
      "ccyType": "Fiat",
      "description": "string",
      "enable": true,
      "id": 0,
      "name": "VND",
      "timestamp": "2021-06-28T07:28:30.887Z",
      "tokenCtrAddress": "string"
    },
    "updated": "2021-06-28T07:28:30.887Z",
    "userId": 0,
    "userName": "string"
}
```

Create Offer API Calls

(POST)
/v1/addupdateorder.json
use json postbody

```
post body object
{
  custRef: "string", <misc. customer ref to add in on payment details tab (unrelated to payment details)>
  expiry: "string ISO date",
  feevalue: 0.0,    <not used yet, can be empty>
  fromamt: 23455.0,  <ERC20 USDT volume>
  fromccyid: 1,      <crypto ERC20 USDT listed in /v1/public/ccycodes.json>
  notes: "string", <ignored>
  payDetail: payDetailObject (see below), <empty = use default>
  toamt: 56443.0,  <Fiat volume>
  toccyid: 2       <Fiat id listed in /v1/public/ccycodes.json>
}

payDetailObject
{
  payTypeId : 1        <from /v1/public/paymenttypes.json>
  String field1name;
  String field2name;
  String field3name;
  String field4name;
  String field5name;
}
```
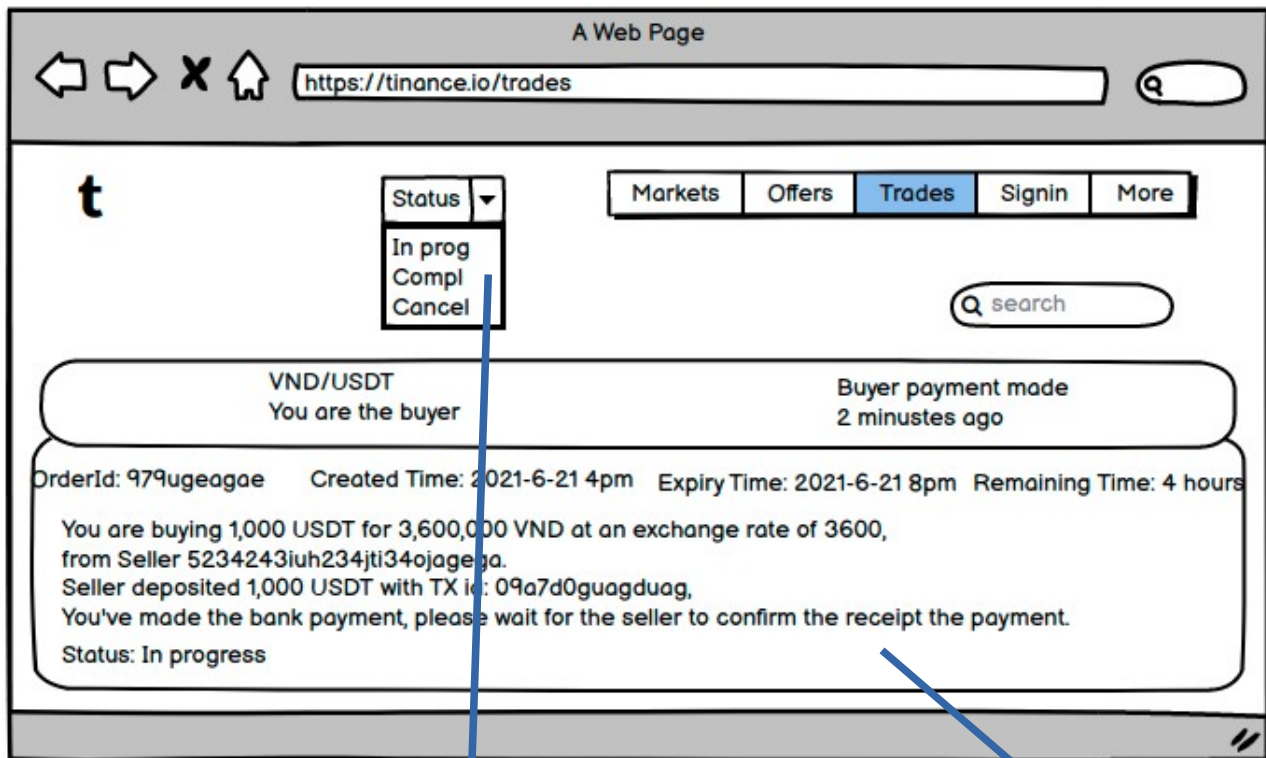
Return result

```
RespStatus
{
  "msg": "message to display if statusCode != 0",
  "statusCode": 0
}
```

Trades API calls

A Web Page

https://tinance.io/trades

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Status ▼
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VND/USDT
You are the buyer

Buyer payment made
2 minustes ago

OrderId: 979ugeagae   Created Time: 2021-6-21 4pm   Expiry Time: 2021-6-21 8pm   Remaining Time: 4 hours

You are buying 1,000 USDT for 3,600,000 VND at an exchange rate of 3600,
from Seller 5234243iuh234jti34ojagega.
Seller deposited 1,000 USDT with TX id: 09a7d0guagduag,
You've made the bank payment, please wait for the seller to confirm the receipt the payment.

Status: In progress

See ** STATUS FILTER
In OFFERS section

(POST)
v1/getmytrades.json
use filter request

Return result from v1/getmytrades.json

```
{
    "archive": "2021-06-28T07:28:30.887Z", ===> if present this order has been archived (old order)
    "auditList": [
      {
        "action": "string",
        "id": 0,
        "staffName": "string",
        "when": "2021-06-28T09:24:00.103Z"
      }
    ],
    "bankfundflag":"2021-06-28T07:28:30.887Z",   ====> if present, date/time bank funds were sent
    "buyerAddress": "0x344552223333",            ====> display in panel
    "buyerId": 23,                    ====> BUY, if  buyerid == my usrId from user object
    "sellerId": 54,                   ====> SELL,if sellerId == my usrId from user object
    "cancelRequest":"2021-06-28T07:28:30.887Z",  ====> if present, date/time cancel was initiated
    "completedHash": "0x04668ec2f57cc15c381b461b9fedab5d451c54f", ====> if present, display in panel
    "contractId": "0x046654237e7cc15c381b461b9fedab5d451c66a",
    "created":"2021-06-28T07:28:30.887Z", ====> display in panel
    "depositHash": "0x04668ec2f57cc15c381b461b9fedab5d451c8f7f",  ==> if present, txn number to display in panel>
```

```
  "fee": 123.45,                <fee in USDT>
  "fromAmount": 0,
  "fromccy": {
    "ccyType": "ERC20",
    "description": "string",
    "enable": true,
    "id": 0,
    "name": "USDT",
    "timestamp": "2021-06-28T09:24:00.103Z",
    "tokenCtrAddress": "string"
  },
  "id": 0,
  "numericOrderId": 0,
  "parentOrderId": "0451fae46fe",   ====> display in panel
  "sellerAddress": "0x344552247ef62", ====> display in panel

  "status": "DEPOSIT",    <see status below for states>
  "toAmount": 0,
  "toccy": {
    "ccyType": "Fiat",
    "description": "string",
    "enable": true,
    "id": 0,
    "name": "VND",
    "timestamp": "2021-06-28T09:24:00.103Z",
    "tokenCtrAddress": "string"
  }
}


status is one of:
UNKNOWN,
CREATED,
DEPOSIT,
FIATSENT,
COMPLETED,
CANCEL_REQ,
CANCELLED,
ARBITRATE,
ERROR
```
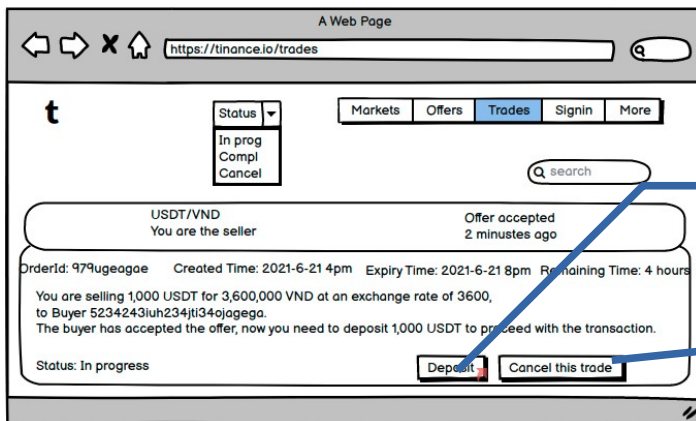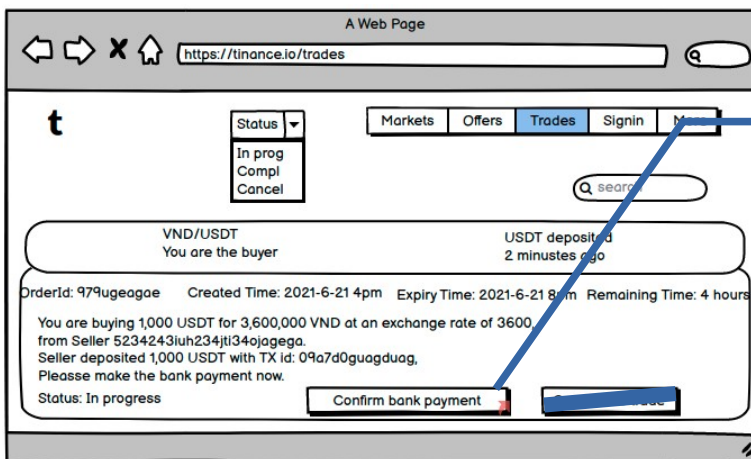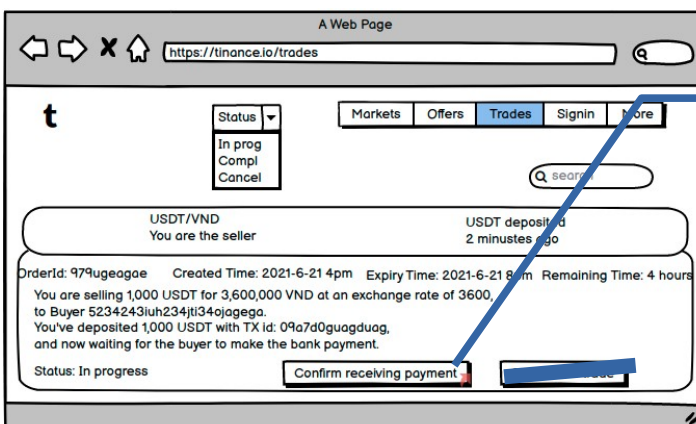
Individual Contract, API calls (within Trades list)

A Web Page

https://tinance.io/trades

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Cancel

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USDT/VND
You are the seller

Offer accepted
2 minutes ago

OrderId: 979ugeagae   Created Time: 2021-6-21 4pm   Expiry Time: 2021-6-21 8pm   Remaining Time: 4 hours

You are selling 1,000 USDT for 3,600,000 VND at an exchange rate of 3600,
to Buyer 5234243iuh234jti34ojagega.
The buyer has accepted the offer, now you need to deposit 1,000 USDT to proceed with the transaction.

Status: In progress   Deposit | Cancel this trade

API POST
v1/depositcrypto.json

?oid=contractID

API POST
v1/canceltrade.json

?oid=contractID

A Web Page

https://tinance.io/trades

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Status ▾
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Compl
Cancel

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VND/USDT
You are the buyer

USDT deposited
2 minutes ago

OrderId: 979ugeagae   Created Time: 2021-6-21 4pm   Expiry Time: 2021-6-21 8pm   Remaining Time: 4 hours

You are buying 1,000 USDT for 3,600,000 VND at an exchange rate of 3600,
from Seller 5234243iuh234jti34ojagega.
Seller deposited 1,000 USDT with TX id: 09a7d0guagduag,
Pleasse make the bank payment now.
Status: In progress   Confirm bank payment

API POST
v1/flagfundssent.json

?oid=contractID

A Web Page

https://tinance.io/trades

t

Status ▾
In prog
Compl
Cancel

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USDT/VND
You are the seller

USDT deposited
2 minutes ago

OrderId: 979ugeagae   Created Time: 2021-6-21 4pm   Expiry Time: 2021-6-21 8pm   Remaining Time: 4 hours

You are selling 1,000 USDT for 3,600,000 VND at an exchange rate of 3600,
to Buyer 5234243iuh234jti34ojagega.
You've deposited 1,000 USDT with TX id: 09a7d0guagduag,
and now waiting for the buyer to make the bank payment.

Status: In progress   Confirm receiving payment

API POST
v1/flagcomplete.json

?oid=contractID