

NAIRASHARE

www.nairashare.com

(Online Payment Collection System)

API Specification Doc

Version	Date	Author	Description
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* Note that in order to collect payments using the [NairaShare](#) API, you need to [create an account](#) first.

MAKE NEW PAYMENT

1. JSON

Use the format below to initiate a payment request using JSON format.

Request

Method	URL
POST	http://api.nairashare.com/newpayment.json

```
{  
  
  "NSPAY": {  
    "uid": "your_uid",  
    "apikey": "your_api_key",  
    "walletid": "your_wallet_id"  
    "amount": "TOTAL_AMOUNT_TO_BE_PAID",  
    "itemname": "ITEM_DESCRIPTION",  
    "notifyurl": "PAYMENT_NOTIFICATION_URL",  
    "cardtype": "TYPE_OF_CARD"  
  }  
}
```

Parameters

Name	Description
uid	Your uid as provided on this page .
apikey	You can generate your API key here .
wallet id	Your wallet id also visible here .
amount	The amount to be paid including any additional fees.
itemname	The name or description of the product / service being paid for.

notifyurl	The URL on your site or application where the payment would end. This is where the payment status and other associated parameters for the current payment would be passed to.
cardtype	The type of card. Can be either MASTERCARD, VERVE, or VISA.

IMPORTANT!!! Be sure to include the “application/json” or “text/json” Content-Type header in your request. If you do not send this header your request might be misinterpreted.

Response

The following responses indicate the status of your payment request. You will receive either a success message if your parameters are accurate or a failure message if there was an error in your request.

Format

Response Format
<pre>{ "response": { "status": "STATUS_STRING", "transid": "<generated transaction id to be saved>", "redirecturl": "<payment URL for you to redirect to>" } }</pre>

Status Description

Status	Response
INVALID_JSON	The JSON format is not valid.
MISSING_USERNAME	Username field is empty
MISSING_APIKEY	API Key field is empty
MISSING_WALLETID	Wallet ID field is empty
AUTH_FAILURE	The username, API key, and wallet ID combination is not correct.
MISSING_AMOUNT	Amount field is empty
MISSING_TRANSACTIONID	Your transaction id field is empty
MISSING_ITEMNAME	No product / service name or description
MISSING_CARDTYPE	The type of payment card is empty (MASTERCARD, VISA, VERVE)
MISSING_NOTIFYURL	Your final payment URL was not found.
INVALID_WALLETID	The wallet ID does not exist.
INVALID_AMOUNT	The amount provided is not a valid number
EXCEEDS_WALLETLIMIT	The amount exceeds the limit set on your wallet
INVALID_TRANSACTIONID	Your transaction id is non-unique

INVALID_CARDTYPE	Card type field does not contain a valid entry. Should be any of MASTERCARD, VERVE, or VISA.
ACCOUNT_SUSPENDED	Access to your account has been suspended. (Contact Admin)
UNKNOWN_CONTENTTYPE	Check you post method to ensure you have included content-type header of "application/json" or "text/json".
UNKNOWN_ERROR	Rarely used - Errors in data specification / headers.
SUCCESS	Your payment request has been received successfully.

Sample Code

```
<?php
$url = "http://api.nairashare.com/newpayment.json";
$uid = '';
$apikey = '';
$walletid = '';

$amount = 500;
$itemname = 'Purchase of Gold iPhone 6';
$notifyurl = 'http://www.example.com/payonline/confirm';
$cardtype = 'MASTERCARD';
$errormsg = '';

if (isset($_POST['button'])) {
    $uid = $_POST['uid'];
    $apikey = $_POST['apikey'];
    $walletid = $_POST['walletid'];

    $amount = doubleval($_POST['amount']);
    $itemname = $_POST['itemname'];
    $notifyurl = $_POST['notifyurl'];
    $cardtype = $_POST['cardtype'];
    $transid = 'some_randomly_generated_unique_id';

    if (get_magic_quotes_gpc()) {
        $message = stripslashes($_POST['message']);
    }
    $result = postJSON($url, $uid, $apikey, $walletid, $amount, $itemname, $notifyurl, $cardtype);
    if($result){
        if($result->response->status == 'SUCCESS'){
            updateTransid($transid, $result->response->transid);
            header("Location: {$result->response->redirecturl}");
        }
        else{
            $errorMsg = $result->response->status;
        }
    }
    else{
        echo 'Failure in payment request';
    }
}

function postJSON($url, $uid, $apikey, $walletid, $amount, $itemname, $notifyurl, $cardtype) {
    $request = array('NSPAY' => array(
        'uid' => $uid,
        'apikey' => $apikey,
        'walletid' => $walletid,
        'amount' => $amount,
        'itemname' => $itemname,
        'notifyurl' => $notifyurl,
        'cardtype' => $cardtype
    ));
    $json_data = json_encode($request);
    if ($json_data) {
        $response = doPostRequest($url, $json_data, array('Content-Type: application/json'));
        $result = json_decode($response);
        return $result;
    }
    else {
        return false;
    }
}
}
```

//Function to connect to make a HTTP POST request to the payment gateway

```

function doPostRequest($url, $data, $headers = array()) {
    $php_errormsg = '';
    if (is_array($data)) {
        $data = http_build_query($data, '', '&');
    }
    $params = array('http' => array(
        'method' => 'POST',
        'content' => $data
    ));
    if ($headers !== null) {
        $params['http']['header'] = $headers;
    }
    $ctx = stream_context_create($params);
    $fp = fopen($url, 'rb', false, $ctx);
    if (!$fp) {
        return "Error: gateway is inaccessible";
    }
    //stream_set_timeout($fp, 0, 250);
    try {
        $response = stream_get_contents($fp);
        if ($response === false) {
            throw new Exception("Problem reading data from $url, $php_errormsg");
        }
        return $response;
    } catch (Exception $e) {
        $response = $e->getMessage();
        return $response;
    }
}

function updateTransid($original_transid, $newtransaction_id){
    //Write some code here to update your database record of the old transaction id
    //Replace the old transid with the new transid that was returned with the redirecturl.
}
?>
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
        <title>NairaShare JSON API</title>
    </head>

    <body>
        <h2 style="text-align: center;">NairaShare Integration Sample Code</h2>
        <div style="border: 1px solid #333; padding: 5px 10px; width: 40%; margin: 0 auto">
            <form id="form1" name="form1" method="post" action="">

                <?php
                if (!empty($_POST)) {
                    if ($result == 'SUCCESS') {?>
                        <p style="border: 1px dotted #333; background: #33ff33; padding: 5px;">Success!
Processing payment request.</p>
                        <?php
                        }
                    else {?>
                        <p style="border: 1px dotted #333; background: #FFDACC; padding: 5px;">Error in
payment request - <b><?php echo $errormsg;?></b></p>
                        <?php
                        }
                    }
                }
                ?>

            <p>
                <label>UID:
                <input name="uid" type="text" id="uid"/>
            </label>

```

```
</p>
<p>
  <label>API Key:
    <input name="apikey" type="text" id="apikey" />
  </label>
</p>
<p>
  <label>Wallet ID:
    <input name="walletid" type="text" id="walletid" value="" />
  </label>
</p>
<p>
  <label>Amount:
    <input name="amount" type="text" id="amount" value="" />
  </label>
</p>
<p>
  <label>Item Name:
    <input name="itemname" type="text" id="itemname" value="Purchase Gold" />
  </label>
</p>
<p>
  <label>Notification URL:
    <input name="notifyurl" type="text" id="notifyurl" value="" />
  </label>
</p>
<p>
  <label>Card Type:
    <input name="cardtype" type="text" id="cardtype" value="MASTERCARD" />
  </label>
</p>
<p>
  <label>
    <input type="submit" name="button" id="button" value="Submit" />
  </label>
  <label>
    <input type="reset" name="button2" id="button2" value="Reset" />
  </label>
</p>
</form>
</div>
</body>
</html>
```

After successfully connecting to the API, you will receive a JSON data with the following information.

Field	Value
response	Object containing the following results of your request. status transid redirecturl
status	Message that states either "SUCCESS" or "FAILURE"
transid	For successful requests this will contain a new transaction id
redirecturl	For successful requests this will contain the final payment URL that you need to redirect to.

Once your request is successful and you receive the new transid, and redirecturl values, you now have to save the new transid that was returned - this may mean you have to update your previous transid with this new one.

Next, you need to redirect the user to the redirecturl that you received.

Once redirected, the user will be able to make payment using the online payment module from the payment gateway provider.

After the user makes the payment, we will redirect back to your *notifyurl* which was provided in the initial request. We will add query parameters containing the details of the payment made by the user to the *notifyurl*.

With this you should be able to display a correct message to the user about the status of the payment.

The following data would be included in the *notifyurl*.

URL Parameter	Description
status_desc	Either PENDING, FAILED, or SUCCESS
status_reason	Detailed description of the status
transid	The transaction id for this request
status_code	The status code returned from the payment gateway

OBTAINING PAYMENT STATUS

1. Query Payment Status

Use the format below to make a GET request for the status of any payment in JSON format.

Request

Method	URL
GET	<code>http://api.nairashare.com/checkpaymentstatus.json?uid={uid}&apikey={apikey}&transid={transid}</code>

Parameters

Name	Description
uid	Your UID which you can view here .
apikey	Your API key which you can generate here .
transid	The specific transid for the payment you wish to query

Response

There are at least two possible results from this request.

In the event of an error, you will only receive a JSON object with the following fields.

Field	Value
response	Contains the details of the result for the current request.
request_status	Would contain either AUTH_FAILURE or SUCCESS.
payment	Contains the details of the status of the transid provided status_code status_message amount
status_code	The status of the payment. Which can be any of SUCCESS, PENDING, FAILED
status_message	The reason for the status returned above
amount	The payment amount sent for this transaction

ACCOUNT BALANCE

1. Check NairaShare Balance

You can check your account balance at any time by making a simple GET request to the API.

Request

Method	URL
GET	http://api.nairashare.com/balance/{uid}/{apikey}

You need to replace the parameters in the curly braces {} with your own details. Remember to also remove the curly braces from the URL.

The easiest way to test this method is by copying pasting your generated URL in the address bar of your browser to see the response.

Parameters

Name	Description
uid	Your UID can be found here .
apikey	You can generate your API key here .

Response

A successful response would return your account balance as a number without any formatting.

The only errors that you could run into with this request come from your UID and API key.

Format

Response Format
//When there's an error you only get a status string. STATUS_STRING
//for successful requests you will receive the total value in your account {account balance}

Format

Status	Response
MISSING_UID	UID field is empty
MISSING_APIKEY	API Key field is empty
AUTH_FAILURE	The username and API key combination is not correct.