

MSU-Ecobank Integration API

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AUTHENTICATION

Get the access token to use for authentication and authorisation in subsequent requests

Request URL

URL	https://ecobank.msu.ac.zw/oauth/token
METHOD	POST
HEADERS	Accept: application/json

Request Form Body

grant_type	password
client_id	{{BANK_CLIENT_ID}}
client_secret	{{BANK_CLIENT_SECRET}}
username	{{BANK_USERNAME}}
password	{{BANK_PASSWORD}}

Response

token_type	bearer
expires_in	Token validity period
access_token	Application secret access token
refresh_token	Application refresh token

GET STUDENT DETAILS

Before posting a transaction, a client can check if a student with a given registration number is valid or not.

Request URL

URL	https://ecobank.msu.ac.zw/api/student/{{REG_NUMBER}}
METHOD	GET
HEADERS	Accept: application/json Authorization: Bearer {{ACCESS TOKEN}}

Student Found Response

This response is given when the provided registration number is valid

```
{
  "success": true,
  "data": {
    "regnum": "R122924H",
    "firstnames": "BLESSING",
    "surname": "MASHOKO"
  }
}
```

Student Not Found Response

This response is given when the provided registration number is invalid

```
{
  "success": false,
  "message": "Student regnumber could not be found!"
}
```

POST A TRANSACTION

Send a student transaction. The response will have a success status and a message

Request URL

URL	https://ecobank.msu.ac.zw/api/transaction
METHOD	POST
HEADERS	Accept: application/json Authorization: Bearer {{ACCESS TOKEN}}

Request Form Body

Success Response

This response is given when the transaction was processed successfully

Example:

```
{
  "success": true,
  "message": "Transaction processed successfully"
}
```

General Failure Response

This is a response is given if the entered inputs are valid but cannot be process. The reason is given as message in the response.

Example 1:

```
{
  "success": false,
  "message": "Student regnumber could not be found"
}
```

Example 2:

```
{
  "success": false,
  "message": "transaction already exists"
}
```

Validation Response

This response is given when the sent fields contain an invalid input, for example sending a malformed date, invalid amount

Example 1

The example response shown below is given when you send a future date

```
{
  "success": false,
  "validation_error": true,
  "errors": [
```

```
    "The transactiondate must be a date before or equal to 2020-08-18."  
  ]  
}
```

Example 2

The example response shown when no reference and amount is provided

```
{  
  "success": false,  
  "validation_error": true,  
  "errors": [  
    "The reference field is required.",  
    "The amount field is required."  
  ]  
}
```