

Consign API Documentation

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The Consign API is an implementation of nodeJS technology with Axios and Express.

This document covers the available APIs for interacting into the platform, it is currently updated following the development needs, and cannot be considered as a final version.

Customer Portal

- **Products:**

The main section contains a list of products

URL: /api/products

Method: GET

Body (form data):

```
{  
  id: 1,  
  product_code: AQUA,  
  product_name: Aquafina Item,  
  product_price: 1,  
  createdAt: 2021-09-08 10:46:41,  
  updatedAt: 2021-09-08 10:46:41,  
}
```

- **Companies:**

Users must select a recycling company before purchasing a product

URL: /api/companies

Method: GET

Body (form data):

```
{  
  
    id: 1,  
  
    cny_id: GRNBN,  
  
    cny_name: Green Bin,  
  
    cny_wallet_addr: 0x9F648f6E699ef5Ba502Bc89...,  
  
    createdAt: 2021-09-08 10:46:41,  
  
    updatedAt: 2021-09-08 10:46:41,  
  
}
```

- **Transactions:**

A transaction is stored in the database after the purchase

URL: /api/transactions

Method: POST

Body (form data):

```
{  
  
    id: 1,  
  
    transaction_id: 0x426768322e68c61a3f4adaf...,  
  
    transaction_item: Aquafina Item,  
  
    isLabelled: 0,  
  
    createdAt: 2021-09-08 10:46:41,  
  
    updatedAt: 2021-09-08 10:46:41,  
  
}
```

Selling company dashboard

- **Transactions:**

The selling company can retrieve all transactions that are linked to products

URL: /api/transactions

Method: GET

Body (form data):

```
{  
    id: 1,  
    transaction_id: 0x426768322e68c61a3f4adaf...,  
    transaction_item: Aquafina Item,  
    isLabelled: 0,  
    createdAt: 2021-09-08 10:46:41,  
    updatedAt: 2021-09-08 10:46:41,  
}
```

The 'isLabelled' data is updated after a QRcode is generated into a PDF file

- isLabelled:

0 => no PDF file for product label

1 => PDF file is created for product label

URL: /api/transactions

Method: PUT

Body (form data):

```
{  
    id: 1,  
    transaction_id: 0x426768322e68c61a3f4adaf...,  
    transaction_item: Aquafina Item,  
    isLabelled: 1,  
    createdAt: 2021-09-08 10:46:41,  
    updatedAt: 2021-09-08 10:46:41,  
}
```

Recycling company checking section

- **Transactions:**

The recycling company can retrieve the relevant product linked to the transaction id

URL: /api/transactions

Method: GET

Body (form data):

```
{  
    id: 1,  
    transaction_id: 0x426768322e68c61a3f4adaf...,  
    transaction_item: Aquafina Item,  
    isLabelled: 0,  
    createdAt: 2021-09-08 10:46:41,  
    updatedAt: 2021-09-08 10:46:41,  
}
```

- **Recyclables:**

The recycling company makes a verification, validates and stores data in the database

URL: /api/recyclables

Method: POST

Body (form data):

```
{  
    id: 1,  
    rec_txid: 0x426768322e68c61a3f4adaf...,  
    rec_cny: 0x9F648f6E699ef5Ba502Bc89...,  
    rec_receiver: 0x9F648cdsce588Ba502...,  
    rec_prod: Aquafina Item,,  
    createdAt: 2021-09-08 10:46:41,  
    updatedAt: 2021-09-08 10:46:41,  
}
```