Arukereso Orders API Technical Documentation

This document outlines the Arukereso Orders API, a RESTful API built using the Laravel framework and adhering to OpenAPI specifications. The API provides endpoints for retrieving a list of orders, filtering orders based on specific parameters, creating new orders and updating order statuses.

Swagger documentation of the API is available:

http://127.0.0.1:8000/api/doc

API Endpoints and JSON Input Structure

The API includes endpoints such as retrieving a **list of orders**, filtering orders by parameters, **creating new orders, updating order statuses**.

„List Orders with Filters" endpoint: allows users to filter orders based on parameters such as order ID, status, start date, and end date, all parameters are optional.

```
{
  "order_id": 0,
  "status": {
    "name": "new"
  },
  "start_date": "2024-01-14",
  "end_date": "2024-01-14"
}
```

```
curl -X 'POST' \
  'http://127.0.0.1:8000/api/orders/list' \
  -H 'accept: */*' \
  -H 'Content-Type: application/json' \
  -H 'X-CSRF-TOKEN: ' \
  -d '{
  "order_id": 1,
  "status": {
    "name": "new"
  },
  "start_date": "2024-01-10",
  "end_date": "2024-01-14"
}'
```

„Creating New Order" endpoint: create a new order by the provided JSON structure. To validate the order request, it is important that both the shipping method and products are present and accessible in the database.

```json
{
  "customer": {
    "name": "string",
    "email": "string"
  },
  "shipping_method": {
    "name": "string"
  },
  "billing_address": {
    "name": "string",
    "postal_code": "string",
    "city": "string",
    "street": "string"
  },
  "shipping_address": {
    "name": "string",
    "postal_code": "string",
    "city": "string",
    "street": "string"
  },
  "products": [
    {
      "name": "string",
      "quantity": "integer",
      "gross_unit_price": "number"
    }
  ]
}
```

```
curl -X 'POST' \
  'http://127.0.0.1:8000/api/orders' \
  -H 'accept: */*' \
  -H 'Content-Type: application/json' \
  -H 'X-CSRF-TOKEN: ' \
  -d '{
  "customer": {
    "name": "John Doe",
    "email": "john.doe@example.com"
  },
  "shipping_method": {
    "name": "pickup"
  },
  "billing_address": {
    "name": "John Doe",
    "postal_code": "12345",
    "city": "Example City",
    "street": "123 Example Street"
  },
  "shipping_address": {
    "name": "Jane Doe",
    "postal_code": "54321",
    "city": "Another City",
    "street": "456 Another Street"
  },
  "products": [
    {
      "name": "Product A",
      "quantity": 2,
      "gross_unit_price": 19.99
    }
  ]
}'
```

„Update Order" endpoint is designed to modify the status of a particular order. The function will only execute if there is a change in the order status; otherwise, it will not proceed.

```json
{
  "order_id": "integer",
  "status": {
    "name": "string"
  }
}
```

```
curl -X 'PUT' \
  'http://127.0.0.1:8000/api/orders/1' \
  -H 'accept: */*' \
  -H 'Content-Type: application/json' \
  -H 'X-CSRF-TOKEN: ' \
  -d '{
  "order_id": 1,
  "status": {
    "name": "new"
  }
}'
```