# API DOCUMENTATION

LOCAL BASE-URL: http://localhost:port

REMOTE BASE-URL: https://remote-url

### NOTE: It is important that you must create a .env file in the root of the solution for running the application with package.json file.

## 1. PRODUCTS

### 1.1 GET ALL PRODUCTS

**Description:** This endpoint returns a list of products in the database. It should return a paginated response.

**Path:** /products

**Method:** GET

**Status:** 200

|  |
| --- |
| params:  {       "page": integer, //The starting page, default: 1  "limit": integer, //Limit per page, default: 20  "description\_length": integer //Limit of the description, default: 200  } |

**Success response:**

|  |
| --- |
| {  "paginationMeta": {  "currentPage": integer, // Current page number  "currentPageSize": integer, // The page limit  "totalPages": integer, // The total number of pages for all products  "totalRecords": integer, // The total number of product in the database  },  "rows": [  {  "product\_id": integer,       "name": string,  "description": string,  "price": string,  "discounted\_price": string,  "thumbnail": string,  }, {  ….. …… ….. ….  },  ]  } |

### 1.2 SEARCH PRODUCTS

**Description:** This endpoint returns a list of product that matches the search value.

**Path:** /products/search?query\_string={search value}&all\_words=on

**Method:** GET

**Status:** 200

|  |
| --- |
| params:  {       "page": integer, //The starting page, default: 1  "limit": integer, //Limit per page, default: 20  "description\_length": integer, //Limit of the description, default: 200  "query\_string": string, //Item to be searched  "all\_words": string, //on or off, different mode of searching  } |

**Success response:**

|  |
| --- |
| {  "rows": [  {  "product\_id": integer,       "name": string,  "description": string,  "price": string,  "discounted\_price": string,  "thumbnail": string,  }, {  ….. …… ….. ….  },  ]  } |

### 1.3 GET ALL PRODUCTS IN A CATEGORY

**Description:** This endpoint should return list of products in a category using the category id in the request params.

**Path:** /products/inCategory/{category\_id}

**Method:** GET

**Status:** 200

|  |
| --- |
| params:  {       "page": integer, //The starting page, default: 1  "limit": integer, //Limit per page, default: 20  "description\_length": integer //Limit of the description, default: 200  } |

**Success response:**

|  |
| --- |
| {  "rows": [  {  "product\_id": integer,       "name": string,  "description": string,  "price": string,  "discounted\_price": string,  "thumbnail": string,  }, {  ….. …… ….. ….  },  ]  } |

### 1.4 GET ALL PRODUCTS IN A DEPARTMENT

**Description:** This endpoint returns list of products in a department using the department id in the request params.

**Path:** /products/inDepartment/{department\_id}

**Method:** GET

**Status:** 200

|  |
| --- |
| params:  {       "page": integer, //The starting page, default: 1  "limit": integer, //Limit per page, default: 20  "description\_length": integer //Limit of the description, default: 200  } |

**Success response:**

|  |
| --- |
| {  "rows": [  {  "product\_id": integer,       "name": string,  "description": string,  "price": string,  "discounted\_price": string,  "thumbnail": string,  }, {  ….. …… ….. ….  },  ]  } |

### 1.5 GET REVIEWS OF A PRODUCT

**Description:** This endpoint returns a list reviews for a product using the product id in the request params.

**Path:** /products/{product\_id}/reviews

**Method:** GET

**Status:** 200

**Success response:**

|  |
| --- |
| {  [  {       "name": string,  "review": string,  "rating": integer,  "created\_on": string (datetime),  }, {  ….. …… ….. ….  },  ]  } |

## 2. CUSTOMERS

### 2.1 CREATE A NEW CUSTOMER

**Description:** This endpoints allow a user to create a new account.

**Path:** /customers

**Method:** POST

**Status:** 201

**Request body:**

|  |
| --- |
| {  "name": string,  "email": string,  "password": string,  } |

**Success response:**

|  |
| --- |
| {      "customer": {   "customer\_id" : integer,   "name" : string,   "email" : string,   "address\_1" : null,  "address\_2" : null,  "city" : null,  "region" : null,  "postal\_code" : null,  "shipping\_region\_id" : integer,  "credit\_card" : null,  "day\_phone" : null,  "eve\_phone" : null,  "mob\_phone" : null,  },  "accessToken": string,  "expiresIn": string,  } |

### 2.2 LOGIN A CUSTOMER

**Description:** This endpoint allows a user to login to their customer account.

**Path:** /customers/login

**Method:** POST

**Status:** 200

**Request body:**

|  |
| --- |
| {  "email": string,  "password": string,  } |

**Success response:**

|  |
| --- |
| {      "customer": {   "customer\_id" : integer,   "name" : string,   "email" : string,   "address\_1" : null,  "address\_2" : null,  "city" : null,  "region" : null,  "postal\_code" : null,  "shipping\_region\_id" : integer,  "credit\_card" : null,  "day\_phone" : null,  "eve\_phone" : null,  "mob\_phone" : null,  },  "accessToken": string,  "expiresIn": string,  } |

### 2.3 UPDATE CUSTOMER DETAILS

**Description:** This endpoint updates the customer details.

**Path:** /customer

**Method:** PUT

**Status:** 200

**Request object:**

|  |
| --- |
| {  "email" : string,  "name" : string,  "day\_phone" : string,  "eve\_phone" : string,  "mob\_phone" : string,  } |

**Success response:**

|  |
| --- |
| {  "customer\_id" : integer,  "name" : string,  "email" : string,  "address\_1" : string,  "address\_2" : string,  "city" : string,  "region" : string,  "postal\_code" : string,  "shipping\_region\_id" : integer,  "credit\_card" : string,  "day\_phone" : string,  "eve\_phone" : string,  "mob\_phone" : string,  } |

### 2.4 UPDATE CUSTOMER ADDRESS

**Description:** This endpoint updates the customer address.

**Path:** /customer/address

**Method:** PUT

**Status:** 200

**Request object:**

|  |
| --- |
| {  "address\_1" : string,  "address\_2" : string,  "city" : string,  "region" : string,  "postal\_code" : string,  "shipping\_region\_id" : integer,  } |

**Success response:**

|  |
| --- |
| {  "customer\_id" : integer,  "name" : string,  "email" : string,  "address\_1" : string,  "address\_2" : string,  "city" : string,  "region" : string,  "postal\_code" : string,  "shipping\_region\_id" : integer,  "credit\_card" : string,  "day\_phone" : string,  "eve\_phone" : string,  "mob\_phone" : string,  } |

### 2.5 UPDATE CUSTOMER CREDIT CARD

**Description:** This endpoint updates the customer address.

**Path:** /customer/creditCard

**Method:** PUT

**Status:** 200

**Request object:**

|  |
| --- |
| {  "credit\_card" : string,  } |

**Success response:**

|  |
| --- |
| {  "customer\_id" : integer,  "name" : string,  "email" : string,  "address\_1" : string,  "address\_2" : string,  "city" : string,  "region" : string,  "postal\_code" : string,  "shipping\_region\_id" : integer,  "credit\_card" : string, (xxxxxxxxxxxx7890)  "day\_phone" : string,  "eve\_phone" : string,  "mob\_phone" : string,  } |

## 3. ORDERS

### 3.1 CREATE AN ORDER

**Description:** This endpoint creates an order for a customer.

**Path:** /orders

**Method:** POST

**Status:** 201

**Request object:**

|  |
| --- |
| {  "cart\_id" : string,  "shipping\_id" : integer,  "tax\_id" : integer,  } |

**Success response:**

|  |
| --- |
| {  "order\_id" : integer,  } |

## 4. SHOPPING CART

### 4.1 GENERATE CART UNIQUE ID

**Description:** This endpoint is meant to generate a unique cart Id for adding product to a shopping cart.

**Path:** /shoppingcart/generateUniqueId

**Method:** GET

**Status:** 200

**Success response:**

|  |
| --- |
| {  "cart\_id" : string,  } |

### 4.2 ADD/UPDATE PRODUCT TO SHOPPING CART

**Description:** This endpoint add product to the shopping cart.

**Path:** /shoppingcart/add

**Method:** POST

**Status:** 201

**Request object:**

|  |
| --- |
| {  "cart\_id" : string,  "product\_id" : integer,  "attributes" : string,  "quantity" : integer,  } |

**Success response:**

|  |
| --- |
| {  "item\_id" : integer,  "cart\_id" : integer,  "attributes" : string,  "product\_id" : integer,  "quantity" : integer,  }, |

### 4.3 EMPTY SHOPPING CART

**Description:** This endpoint deletes all items in the shopping cart and returns an empty array.

**Path:** /shoppingcart/empty/{cart\_id}

**Method:** DELETE

**Status:** 200

**Success response:**

|  |
| --- |
| [ ] |

### 4.4 REMOVE ITEM FROM SHOPPING CART

**Description:** This endpoint remove a single item from the shopping cart using the item id in the request params.

**Path:** /shoppingcart/removeProduct/{item\_id}

**Method:** DELETE

**Status:** 200

**Success response:**

|  |
| --- |
| {  "message" : string,  } |

## 5. STRIPE

### 5.1 POST PAYMENT TO STRIPE

**Description:** This endpoint post payment to stripe.

**Path:** /stripe/charge

**Method:** POST

**Status:** 200

**Request object:**

|  |
| --- |
| {  "stripeToken" : string,  "email" : string,  "order\_id" : integer,  } |

**Stripe Payment object:**

|  |
| --- |
| {  "stripeToken" : string,  "order\_id" : integer,  "description" : string,  "amount" : integer,  "currency" : string,  } |

**Success response:**

|  |
| --- |
| {  Object returned from stripe,  "message" : string,  } |

## 10. REQUEST HEADER TOKEN FORMAT

**Description:** The recommended Authorization header format. Only handle this header for the APIs that relate to customer or cart (which only apply for the API groups: customer, order, shopping cart, and Stripe).

|  |
| --- |
| USER-KEY: “Bearer ey6ujkf88hjhf87bhr787y.hlo98ruiure8o9ujlorjljkrg.ihhurwhiu98jhge” |