Books

Create

Method: **POST**
URL: **/api/book/create**
JSON body:
{

"title" : "string",
"genre" : "string",
"productId" : "integer"
"description" : "string",
"edition" : "string",
"isbn" : "string",
"authorFirstName" : "string",
"authorLastName" : "string",
"imageUrl" : "string",
publishedDate" : "yyyy-mm-dd"

}

Returns: JSON body representing new Book, including auto-generated ID
{

"id": "integer",
"title" : "string",
"genre" : "string",
"product" : { },
"description" : "string",
"edition" : "string",
"isbn" : "string",
"authorFirstName" : "string",
"authorLastName" : "string",
"imageUrl" : "string",
publishedDate" : "yyyy-mm-dd"

}

Get

Method: **GET**
URL: **/api/book/{id}**
Example URL: **/api/book/13**
No JSON body required.

Returns: JSON body representing requested Book
{

        "id": "integer",
        "title" : "string",
        "genre" : "string",
        "product" : { },
        "description" : "string",
        "edition" : "string",
        "isbn" : "string",
        "authorFirstName" : "string",
        "authorLastName" : "string",
        "imageUrl" : "string",
        publishedDate" : "yyyy-mm-dd"
}

GetAll

Method: **GET**
URL: **/api/book/getAll**
No JSON body required.

Returns: A list of JSON bodies representing all Books in the database.

Update

Method: **POST**
URL: **/api/book/update**
JSON body:
{

        "id": "integer", *(required)*
        "title" : "string", **(optional)**
        "genre" : "string", **(optional)**
        "productId" : "integer" **(optional)**
        "description" : "string", **(optional)**
        "edition" : "string", **(optional)**
        "isbn" : "string", **(optional)**
        "authorFirstName" : "string", **(optional)**
        "authorLastName" : "string", **(optional)**
        "imageUrl" : "string", **(optional)**
        publishedDate" : "yyyy-mm-dd" **(optional)**

}

Returns:
JSON body representing modified Book.
{

       "id": "integer",
       "title" : "string",
       "genre" : "string",
       "product" : { },
       "description" : "string",
       "edition" : "string",
       "isbn" : "string",
       "authorFirstName" : "string",
       "authorLastName" : "string",
       "imageUrl" : "string",
       publishedDate" : "yyyy-mm-dd"
}

Delete

Method: **DELETE**
URL: **/api/book/delete/{id}**
Example URL: **/api/book/delete/13**
No JSON body required.
Returns: Message indicating book was deleted if successful.

Products

Create

Method: **POST**
URL: **/api/product/create**
JSON body:
{

       "stock" : "integer",
       "price" : "decimal"
}

Returns: JSON body representing new Product, including auto-generated ID
{

       "id": "integer",
       "stock" : "integer",
       "price" : "decimal"

}

Get

Method: **GET**
URL: **/api/product/{id}**
Example URL: **/api/product/13**
No JSON body required.

Returns: JSON body representing requested Product
{
       "id": "integer",
       "stock" : "integer",
       "price" : "decimal"
}

GetAll

Method: **GET**
URL: **/api/product/getAll**
No JSON body required.

Returns: A list of JSON bodies representing all Products in the database.

Update

Method: **POST**
URL: **/api/product/update**
JSON body:
{
       "id": "integer", *(required)*
       "stock" : "integer", **(optional)**
       "price" : "decimal" **(optional)**
}
Returns:
JSON body representing modified Product.
{
       "id": "integer",
       "stock" : "integer",
       "price" : "decimal"
}

Delete

Method: **DELETE**
URL: **/api/product/delete/{id}**
Example URL: **/api/product/delete/13**
No JSON body required.
Returns: Message indicating Product was deleted if successful.

Customers

Create

Method: **POST**
URL: **/api/customer/create**
JSON body:
{

  "firstName" : "string",
  "lastName" : "string",
  "email" : "string",
  "password" : "string",
  "phoneNumber" : "string"

}

Returns: JSON body representing new Customer, including auto-generated ID
{

  "id" : "integer",
  "firstName" : "string",
  "lastName" : "string",
  "email" : "string",
  "password" : "string",
  "phoneNumber" : "string"

}

Get

Method: **GET**
URL: **/api/customer/{id}**
Example URL: **/api/customer/13**
No JSON body required.

Returns: JSON body representing requested Customer

```
{
        "id" : "integer",
        "firstName" : "string",
        "lastName" : "string",
        "email" : "string",
        "password" : "string",
        "phoneNumber" : "string"
}
```

GetAll

Method: **GET**
URL: **/api/customer/getAll**
No JSON body required.

Returns: A list of JSON bodies representing all Customers in the database.

Update

Method: **POST**
URL: **/api/customer/update**
JSON body:
```
{
        "id" : "integer", (required)
        "firstName" : "string", (optional)
        "lastName" : "string", (optional)
        "email" : "string", (optional)
        "password" : "string", (optional)
        "phoneNumber" : "string" (optional)
}
```
Returns:
JSON body representing modified Customer.
```
{
        "id" : "integer",
        "firstName" : "string",
        "lastName" : "string",
        "email" : "string",
        "password" : "string",
        "phoneNumber" : "string"
}
```

Delete

Method: **DELETE**
URL: **/api/customer/delete/{id}**
Example URL: **/api/customer/delete/13**
No JSON body required.
Returns: Message indicating Customer was deleted if successful.

Addresses

Create

Method: **POST**
URL: **/api/address/create**
JSON body:
{

        "zipcode" : "integer",

        "state" : "string",

        "country" : "string",

        "addressLine1" : "string",

        "addressLine2" : "string"**, (optional)**

        "city" : "string",

        "suite" : "string" **(optional)**

}

Returns: JSON body representing new Address, including auto-generated ID
{

        "id" : "integer",

        "zipcode" : "integer",

        "state" : "string",

        "country" : "string",

        "addressLine1" : "string",

        "addressLine2" : "string"**,**

        "city" : "string",

        "suite" : "string"

}

Get

Method: **GET**
URL: **/api/address/{id}**

Example URL: **/api/address/13**
No JSON body required.

Returns: JSON body representing requested Address
{
       "id" : "integer",
       "zipcode" : "integer",
       "state" : "string",
       "country" : "string",
       "addressLine1" : "string",
       "addressLine2" : "string",
       "city" : "string",
       "suite" : "string"
}

GetAll

Method: **GET**
URL: **/api/address/getAll**
No JSON body required.

Returns: A list of JSON bodies representing all Addresses in the database.

Update

Method: **POST**
URL: **/api/address/update**
JSON body:
{
       "id" : "integer", *(required)*
       "zipcode" : "integer", **(optional)**
       "state" : "string", **(optional)**
       "country" : "string", **(optional)**
       "addressLine1" : "string", **(optional)**
       "addressLine2" : "string", **(optional)**
       "city" : "string", **(optional)**
       "suite" : "string" **(optional)**
}
Returns:
JSON body representing modified Address.
{
       "id" : "integer",
       "zipcode" : "integer",

        "state" : "string",
        "country" : "string",
        "addressLine1" : "string",
        "addressLine2" : "string",
        "city" : "string",
        "suite" : "string"
}

Delete

Method: **DELETE**
URL: **/api/address/delete/{id}**
Example URL: **/api/address/delete/13**
No JSON body required.
Returns: Message indicating Address was deleted if successful.

Cart Items

Create

Method: **POST**
URL: **/api/cartItem/create**
JSON body:
{
        "quantity" : "integer", **(must be positive nonzero number)**
        "productId": "long integer",
        "customerId": "long integer
}

Returns: JSON body representing new Cart Item, including auto-generated ID
{
        "id" : "long integer",
        "quantity" : "integer",
        "product" : {},
        "customer" : {},
        "price" : "decimal"
}

Get

Method: **GET**
URL: **/api/cartItem/{id}**
Example URL: **/api/cartItem/13**
No JSON body required.

Returns: JSON body representing the Cart Item
{
       "id" : "long integer",
       "quantity" : "integer",
       "product" : {},
       "customer" : {}
       "price" : "decimal"
}

GetAll

Method: **GET**
URL: **/api/cartItem/getAll**
No JSON body required.

Returns: A list of JSON bodies representing all Cart Items in the database.

GetByCustomerId

Method: **GET**
URL: **/api/cartItem/getByCustomerId/{customerID}**
Example URL: **/api/cartItem/getByCustomerId/72**

Returns: A list of JSON bodies representing all Cart Items with that specified Customer ID in the database.

Update

Method: **POST**
URL: **/api/cartItem/update**
JSON body:
{
       "id" : "integer", *(required)*
       "productId": "long integer" **(optional)**
       "customerId": "long integer" **(optional)**

}
Returns:
JSON body representing modified Cart Item.
{

       "id" : "long integer",
       "quantity" : "integer",
       "product" : {},
       "customer" : {}
       "price" : "decimal"
}

Delete

Method: **DELETE**
URL: **/api/cartItem/delete/{id}**
Example URL: **/api/cartItem/delete/13**
No JSON body required.
Returns: Message indicating Cart Item was deleted if successful.