

TheBookHaven2 API v1

Endpoints

Customer

GET /api/Customer

- **Description:** Retrieves all customers
- **Method:** GET
- **Responses:**
 - 200 OK: Returns a list of customers
 - 404 Not Found: No customers exist

POST /api/Customer

- **Description:** Creates a new customer
- **Method:** POST
- **Request Body:** Customer object
- **Responses:**
 - 201 Created: Customer created successfully
 - 400 Bad Request: Invalid customer data

GET /api/Customer/{id}

- **Description:** Retrieves a specific customer by ID
- **Method:** GET
- **Parameters:** id (integer, required)
- **Responses:**
 - 200 OK: Returns the customer
 - 404 Not Found: Customer with specified ID doesn't exist

PUT /api/Customer/{id}

- **Description:** Updates an existing customer
- **Method:** PUT
- **Parameters:** id (integer, required)
- **Request Body:** Customer object
- **Responses:**
 - 200 OK: Customer updated successfully with updated resource returned
 - 204 No Content: Customer updated successfully with no content returned
 - 400 Bad Request: Invalid customer data
 - 404 Not Found: Customer with specified ID doesn't exist

DELETE /api/Customer/{id}

- **Description:** Deletes a customer
- **Method:** DELETE
- **Parameters:** id (integer, required)
- **Responses:**
 - 204 No Content: Customer deleted successfully
 - 404 Not Found: Customer with specified ID doesn't exist

GET /api/Customer/email

- **Description:** Finds a customer by email address
- **Method:** GET
- **Parameters:** email (string, query)
- **Responses:**
 - 200 OK: Returns the customer
 - 404 Not Found: Customer with specified email doesn't exist

Order

GET /api/Order

- **Description:** Retrieves all orders
- **Method:** GET
- **Responses:**
 - 200 OK: Returns a list of orders
 - 404 Not Found: No orders exist

POST /api/Order

- **Description:** Creates a new order
- **Method:** POST
- **Request Body:** CreateOrderDTO object
- **Responses:**
 - 201 Created: Order created successfully
 - 400 Bad Request: Invalid order data

GET /api/Order/{id}

- **Description:** Retrieves a specific order by ID
- **Method:** GET
- **Parameters:** id (integer, required)
- **Responses:**
 - 200 OK: Returns the order
 - 404 Not Found: Order with specified ID doesn't exist

PUT /api/Order/{id}

- **Description:** Updates an existing order
- **Method:** PUT
- **Parameters:** id (integer, required)
- **Request Body:** Order object
- **Responses:**
 - 200 OK: Order updated successfully with updated resource returned
 - 204 No Content: Order updated successfully with no content returned
 - 400 Bad Request: Invalid order data
 - 404 Not Found: Order with specified ID doesn't exist

DELETE /api/Order/{id}

- **Description:** Deletes an order
- **Method:** DELETE
- **Parameters:** id (integer, required)
- **Responses:**
 - 204 No Content: Order deleted successfully
 - 404 Not Found: Order with specified ID doesn't exist

GET /api/Order/customer/{customerId}

- **Description:** Retrieves all orders for a specific customer
- **Method:** GET
- **Parameters:** customerId (integer, required)
- **Responses:**
 - 200 OK: Returns the customer's orders
 - 404 Not Found: Customer with specified ID doesn't exist or has no orders

GET /api/Order/customer-orders

- **Description:** Retrieves all customer orders with detailed information
- **Method:** GET
- **Responses:**
 - 200 OK: Returns all customer orders
 - 404 Not Found: No customer orders exist

Product

GET /api/Product

- **Description:** Retrieves all products
- **Method:** GET
- **Responses:**
 - 200 OK: Returns a list of products
 - 404 Not Found: No products exist

POST /api/Product

- **Description:** Creates a new product
- **Method:** POST
- **Request Body:** Product object
- **Responses:**
 - 201 Created: Product created successfully
 - 400 Bad Request: Invalid product data

GET /api/Product/{id}

- **Description:** Retrieves a specific product by ID
- **Method:** GET
- **Parameters:** id (integer, required)
- **Responses:**
 - 200 OK: Returns the product
 - 404 Not Found: Product with specified ID doesn't exist

PUT /api/Product/{id}

- **Description:** Updates an existing product
- **Method:** PUT
- **Parameters:** id (integer, required)
- **Request Body:** Product object
- **Responses:**
 - 200 OK: Product updated successfully with updated resource returned
 - 204 No Content: Product updated successfully with no content returned
 - 400 Bad Request: Invalid product data

DELETE /api/Product/{id}

- **Description:** Deletes a product
- **Method:** DELETE
- **Parameters:** id (integer, required)
- **Responses:**
 - 204 No Content: Product deleted successfully
 - 404 Not Found: Product with specified ID doesn't exist

GET /api/Product/search

- **Description:** Searches for products by title or author
- **Method:** GET
- **Parameters:**
 - searchTerm (string, query): Term to search in titles
 - authorName (string, query): Author name to filter by
- **Responses:**
 - 200 OK: Returns matching products
 - 404 Not Found: No products match the search criteria

GET /api/Product/isbn/{isbn}

- **Description:** Finds a product by ISBN
- **Method:** GET
- **Parameters:** isbn (string, required)
- **Responses:**
 - 200 OK: Returns the product
 - 404 Not Found: Product with specified ISBN doesn't exist

GET /api/Product/available

- **Description:** Retrieves all available products
- **Method:** GET
- **Responses:**
 - 200 OK: Returns available products
 - 404 Not Found: No available products exist

Schemas

CreateOrderDTO

Property	Type	Format	Required	Notes
id	integer	int32	No	
customerId	integer	int32	No	
orderDetails	array of OrderDetailsDTO		No	
orderDate	string	date-time	No	
totalPrice	number	double	No	

Customer

Property	Type	Format	Required	Notes
id	integer	int32	No	
firstName	string		Yes	
lastName	string		Yes	
email	string		Yes	
phoneNumber	string		Yes	
address	string		Yes	

Order

Property	Type	Format	Required	Notes
id	integer	int32	No	
customerId	integer	int32	No	
orderDetails	array of OrderDetails		No	
orderDate	string	date-time	No	
totalPrice	number	double	No	

OrderDetails

Property	Type	Format	Required	Notes
id	integer	int32	No	
orderId	integer	int32	No	
productId	integer	int32	No	
quantity	integer	int32	No	

OrderDetailsDTO

Property	Type	Format	Required	Notes
productId	integer	int32	No	
quantity	integer	int32	No	

Product

Property	Type	Format	Required	Notes
id	integer	int32	No	
title	string		Yes	
author	string		Yes	
isbn	string		Yes	
publicationYear	integer	int32	No	
publisher	string		No	
description	string		No	
price	number	double	Yes	
category	string		No	
isAvailable	boolean		No	