**AuthController**

Handles user authentication and registration.

1. **POST /auth/login**
   * **Description**: Authenticates a user with the provided login credentials.
   * **Request Body**: **UserLoginRequestDto**
   * **Response**: **UserLoginResponseDto**
2. **POST /auth/registration**
   * **Description**: Registers a new user.
   * **Request Body**: **UserRegistrationRequestDto**
   * **Response**: **UserResponseDto**
   * **Throws**: **RegistrationException**

**BookController**

Manages books in the bookstore.

1. **GET /books**
   * **Description**: Retrieves a list of all available books.
   * **Response**: List of **BookDto**
   * **Requires**: Role **ROLE\_USER**
2. **GET /books/{id}**
   * **Description**: Retrieves a book by its ID.
   * **Path Variable**: **id** (Long)
   * **Response**: **BookDto**
   * **Requires**: Role **ROLE\_USER**
3. **POST /books**
   * **Description**: Creates a new book.
   * **Request Body**: **CreateBookRequestDto**
   * **Response**: **BookDto**
   * **Requires**: Role **ROLE\_ADMIN**
4. **DELETE /books/{id}**
   * **Description**: Deletes a book by its ID.
   * **Path Variable**: **id** (Long)
   * **Response Status**: **HttpStatus.NO\_CONTENT**
   * **Requires**: Role **ROLE\_ADMIN**
5. **PUT /books/{id}**
   * **Description**: Updates a book by its ID.
   * **Path Variable**: **id** (Long)
   * **Request Body**: **CreateBookRequestDto**
   * **Response**: **BookDto**
   * **Requires**: Role **ROLE\_ADMIN**
6. **GET /books/search**
   * **Description**: Searches for books by parameters.
   * **Request Parameters**: **BookSearchParameters**
   * **Response**: List of **BookDto**
   * **Requires**: Role **ROLE\_USER**

**CategoryController**

Manages book categories.

1. **POST /categories**
   * **Description**: Creates a new category.
   * **Request Body**: **CategoryDto**
   * **Response**: **CategoryDto**
   * **Requires**: Role **ROLE\_ADMIN**
2. **GET /categories**
   * **Description**: Retrieves a list of all categories.
   * **Response**: List of **CategoryDto**
   * **Requires**: Role **ROLE\_USER**
3. **GET /categories/{id}**
   * **Description**: Retrieves a category by its ID.
   * **Path Variable**: **id** (Long)
   * **Response**: **CategoryDto**
   * **Requires**: Role **ROLE\_USER**
4. **PUT /categories/{id}**
   * **Description**: Updates a category by its ID.
   * **Path Variable**: **id** (Long)
   * **Request Body**: **CategoryDto**
   * **Response**: **CategoryDto**
   * **Requires**: Role **ROLE\_ADMIN**
5. **DELETE /categories/{id}**
   * **Description**: Deletes a category by its ID.
   * **Path Variable**: **id** (Long)
   * **Response Status**: **HttpStatus.NO\_CONTENT**
   * **Requires**: Role **ROLE\_ADMIN**
6. **GET /categories/{categoryId}/books**
   * **Description**: Retrieves all books in a specific category.
   * **Path Variable**: **categoryId** (Long)
   * **Response**: List of **BookDtoWithoutCategoryIds**
   * **Requires**: Role **ROLE\_USER**

**OrderController**

Handles order management for users.

1. **POST /orders**
   * **Description**: Places an order.
   * **Request Body**: **OrderRequest**
   * **Response**: **OrderDto**
   * **Requires**: Role **ROLE\_USER**
2. **GET /orders**
   * **Description**: Retrieves the order history of the user.
   * **Response**: List of **OrderDto**
   * **Requires**: Role **ROLE\_USER**
3. **PATCH /orders/{id}**
   * **Description**: Updates the status of an order.
   * **Path Variable**: **id** (Long)
   * **Request Body**: **UpdateOrderStatusRequest**
   * **Response**: **OrderDto**
   * **Requires**: Role **ROLE\_ADMIN**
4. **GET /orders/{orderId}/items**
   * **Description**: Retrieves all order items for a specific order.
   * **Path Variable**: **orderId** (Long)
   * **Response**: List of **OrderItemDto**
   * **Requires**: Role **ROLE\_USER**
5. **GET /orders/{orderId}/items/{itemId}**
   * **Description**: Retrieves a specific order item within an order.
   * **Path Variables**: **orderId** (Long), **itemId** (Long)
   * **Response**: **OrderItemDto**
   * **Requires**: Role **ROLE\_USER**

**ShoppingCartController**

Manages the shopping cart for users.

1. **GET /shoppingCarts**
   * **Description**: Retrieves the current user's shopping cart.
   * **Response**: **ShoppingCartDto**
   * **Requires**: Role **ROLE\_USER**
2. **POST /shoppingCarts**
   * **Description**: Adds a book to the shopping cart.
   * **Request Body**: **AddToCartRequest**
   * **Response**: **ShoppingCartDto**
   * **Requires**: Role **ROLE\_USER**
3. **PUT /shoppingCarts/cart-items/{cartItemId}**
   * **Description**: Updates the quantity of a book in the shopping cart.
   * **Path Variable**: **cartItemId** (Long)
   * **Request Body**: **UpdateCartItemRequest**
   * **Response**: **ShoppingCartDto**
   * **Requires**: Role **ROLE\_USER**
4. **DELETE /shoppingCarts/cart-items/{cartItemId}**
   * **Description**: Removes a book from the shopping cart.
   * **Path Variable**: **cartItemId** (Long)
   * **Response Status**: **HttpStatus.NO\_CONTENT**
   * **Requires**: Role **ROLE\_USER**