**API Test Cases for Book Cart Application**

**1. User Authentication**

**1.1 Positive Test Cases**

1. **Successful Login**
   * Request: POST /api/auth/login
   * Payload: Valid email and password
   * Expected Response: 200 OK, user token returned
2. **Successful Registration**
   * Request: POST /api/auth/register
   * Payload: Valid user details
   * Expected Response: 201 Created, user registered

**1.2 Negative Test Cases**

1. **Login with Incorrect Password**
   * Request: POST /api/auth/login
   * Payload: Valid email, incorrect password
   * Expected Response: 401 Unauthorized, error message
2. **Register with Existing Email**
   * Request: POST /api/auth/register
   * Payload: Email already in use
   * Expected Response: 409 Conflict, error message

**2. Book Management**

**2.1 Positive Test Cases**

1. **Retrieve All Books**
   * Request: GET /api/books
   * Expected Response: 200 OK, list of books
2. **Search Book by Title**
   * Request: GET /api/books?title=Example
   * Expected Response: 200 OK, matching books returned

**2.2 Negative Test Cases**

1. **Search for Non-Existent Book**
   * Request: GET /api/books?title=NonExistent
   * Expected Response: 404 Not Found, empty result

**3. Shopping Cart**

**3.1 Positive Test Cases**

1. **Add Book to Cart**
   * Request: POST /api/cart
   * Payload: Book ID
   * Expected Response: 200 OK, book added
2. **Retrieve Cart Items**
   * Request: GET /api/cart
   * Expected Response: 200 OK, list of cart items

**3.2 Negative Test Cases**

1. **Add Invalid Book ID to Cart**

* Request: POST /api/cart
* Payload: Invalid book ID
* Expected Response: 400 Bad Request, error message

**4. Order Processing**

**4.1 Positive Test Cases**

1. **Successful Checkout**

* Request: POST /api/orders
* Payload: Valid payment details and cart items
* Expected Response: 201 Created, order confirmed

**4.2 Negative Test Cases**

1. **Checkout with Empty Cart**

* Request: POST /api/orders
* Payload: Empty cart
* Expected Response: 400 Bad Request, error message