**User Acceptance Testing (UAT)**

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| **Date** | 26 June 2025 |
| **Team ID** | LTVIP2025TMID53966 |
| **Project Name** | BookNest: Where Stories Nestle |
| **Mentor Name** | Dr Shaik Salma Begam |
| **Maximum Marks** | 10 Marks |

**Project Overview**

**Project Name:** BookNest  
**Project Description:** BookNest is a MERN stack-based online bookstore that allows users to explore a wide range of books, manage their personal cart, place orders securely, and track their reading history. It also provides admin capabilities to manage books, users, inventory, and order fulfillment.  
**Project Version:** 1.0  
**Testing Period:** 25 June to 26 June

**Testing Scope – BookNest**

**• Features and Functionalities to be Tested:**

* User registration and login
* Book browsing and search
* Cart management
* Order placement and order history
* Admin book/user/order management
* Invoice generation and payment processing
* Order tracking and fulfillment updates

**• User Stories/Requirements to be Tested:**

* **BN-1:** User registration
* **BN-2:** Registration confirmation
* **BN-3:** User login
* **BN-4:** Book browsing and advanced search/filtering
* **BN-5:** Cart functionality and order placement
* **BN-6:** View order history and track orders
* **BN-7:** Admin dashboard for managing books, users, and orders
* **BN-8:** Invoice generation and secure payment
* **BN-9:** Shipping and delivery status updates

**Testing Environment – BookNest**

**• URL/Location:** [http://localhost:3000 or deployed BookNest URL]  
**• Credentials (if required):**

* **User:** booklover@gmail.com / ReaderPass1
* **Admin:** admin@booknest.com / AdminRead123

**Test Cases**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Scenario** | **Test Steps** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| TC-BN-001 | User Registration | 1. Go to Register page2. Enter details3. Submit | User account is created, confirmation email sent | User account created successfully, confirmation email received | Pass |
| TC-BN-002 | User Login | 1. Go to Login page2. Enter credentials3. Submit | User is logged in and redirected to dashboard | Login failed due to incorrect password, no redirection | Fail |
| TC-BN-003 | Book Browsing & Search | 1. Go to Home2. Use search/filter | Relevant books are displayed | Some unrelated books shown in results | Fail |
| TC-BN-004 | Cart Management | 1. Add book to cart2. View cart3. Remove book | Cart updates correctly | Book added and removed successfully, cart updated | Pass |
| TC-BN-005 | Order Placement | 1. Add books to cart2. Proceed to checkout3. Place order | Order is placed, confirmation shown | Order placed and confirmation message displayed | Pass |
| TC-BN-006 | Admin Book Management | 1. Login as admin2. Add/edit/delete book | Book list updates accordingly | Book deletion not reflected immediately in product list | Fail |
| TC-BN-007 | Order History & Tracking | 1. Place order2. Go to order history3. Click tracking | Order and tracking details displayed correctly | Tracking info not updating in real-time | Fail |
| TC-BN-008 | Invoice Generation & Payment | 1. Place order2. View invoice3. Make payment | Invoice generated and payment successful | Invoice generated but payment gateway timeout occurred | Fail |

**Bug Tracking**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Bug ID** | **Bug Description** | **Steps to Reproduce** | **Severity** | **Status** | **Additional Feedback** |
| BG-BN-001 | Login fails with valid credentials | 1. Go to Login2. Enter valid credentials3. Submit | High | Open | Backend API returns 401 error. Possibly token mismatch or bcrypt hashing issue. |
| BG-BN-002 | Search shows unrelated books | 1. Enter keyword2. View results | Medium | In Progress | Search algorithm doesn't filter by exact match or genre relevance. |
| BG-BN-003 | Cart not updating UI | 1. Add book2. Remove book | Medium | In Progress | Cart updates in backend but UI requires manual refresh to reflect changes. |
| BG-BN-004 | Deleted books still showing in list | 1. Delete book in admin panel2. View book list | Medium | Open | Book record removed in DB, but React state/cache is not refreshed immediately. |
| BG-BN-005 | Payment gateway timeout | 1. Place order2. Redirect to payment3. Wait for response | High | Open | Integration issue with test gateway. Fails under network delay or slow internet. |
| Bug ID | Bug Description | Steps to Reproduce | Severity | Status | Additional Feedback |
| BG-001 | Login fails with valid credentials | 1. Go to Login  2.Enter valid credentials  3. Submit | High | Open | Backend API returns 401 error even with correct credentials. Possibly token or hashing issue. |
| BG-002 | Cart not updating | 1. Add product  2. Remove product | Medium | In Progress | Cart UI shows old data until manual refresh. Suspected issue with state not re-rendering after update |

**Sign-off**

**Tester Name:** Veeramallu Deekshitha Maithreyi

**Date:** 26 June 2025

**Signature:** Deekshitha