

User Acceptance Testing (UAT) Template

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|---------------|--------------------------------|
| Date | 23rd May 2025 |
| Team ID | LTVIP2025TMID55905 |
| Project Name | BookNest: Where stories nestle |
| Maximum Marks | |

Project Overview:

Project Name: BookNest

Project Description: A MERN stack Book shopping Application.

Project Version: V1.0

Testing Period: 23 MAY 2025 to 27 JUNE 2025

Testing Scope:

1 List of Features and Functionalities to be Tested:

User Registration & Login

- Valid and invalid registration inputs.
- Authentication and session management.

Book Listings

- Display of books with correct title, author, price, genre, availability.
- Search and filtering by genre, author, rating.

Book Selection & Cart

- Adding/removing books from the cart.
- Quantity updates and price calculations.

Purchase Process

- Checkout flow with form validation.
- Payment processing (if implemented, else simulated confirmation).

Order Confirmation

- Generation of order ID and confirmation message.
- Correct display of order summary.

Order History & Tracking

- Display of past orders with correct details.
- Status updates and tracking simulation.

Responsive Design

- Functional testing on mobile, tablet, and desktop.

Error Handling

- API failures, validation errors, and user-friendly error messages.

Security Testing

- Login protection, unauthorized access prevention, data privacy.

List of User Stories or Requirements to be Tested:

- ✓ **US01:** As a user, I want to register and log in so that I can securely access Book Nest.
- ✓ **US02:** As a user, I want to browse and search for books by genre/author so that I can find books I like easily.
- ✓ **US03:** As a user, I want to view detailed book information so that I can decide whether to purchase.
- ✓ **US04:** As a user, I want to add books to the cart and modify quantities before purchase.
- ✓ **US05:** As a user, I want to complete secure purchases and receive order confirmation.
- ✓ **US06:** As a user, I want to view my order history and track orders for transparency.
- ✓ **US07:** As a user, I want a seamless experience across devices for convenience.

Testing Environment:

- **URL/Location:** <http://localhost:5173/> (During local testing)
OR your deployed BookNest URL (e.g., <https://booknest-app.vercel.app>)
- **Backend URL:** <http://localhost:5000/api/> (During API testing)
OR your deployed backend URL (e.g., <https://booknest-api.onrender.com/api/>)

Credentials (if required): For student testing or demo testing:

- **Admin:**
 - Username: admin@booknest.com
 - Password: Admin@123
- **User:**
 - Username: sarah@booknest.com
 - Password: Sarah@123
- **Seller (if implemented):**
 - Username: seller@booknest.com
 - Password: Seller@123

(Replace with your registered testing accounts during actual testing.)

Test Cases:

| Test Case ID | Test Scenario | Test Steps | Expected Result | Actual Result | Pass/Fail |
|--------------|----------------------------------|--|--|-------------------------------|-----------|
| TC-001 | User Registration using Email | 1. Open registration page 2. Enter valid email, password, confirm password 3. Click register | User account is created and confirmation email is sent | Confirmation email received | Pass |
| TC-002 | User Login | 1. Open login page 2. Enter registered email and password 3. Click login | User is redirected to dashboard | Redirected to dashboard | Pass |
| TC-003 | Registration with existing email | 1. Enter already registered email 2. Submit the form | Error message: "Email already exists" | Error shown correctly | Pass |
| TC-004 | Wishlist book addition | 1. Login 2. Browse a book 3. Click "Add to Wishlist" | Book is saved in wishlist and visible in the Wishlist page | Wishlist updated successfully | Pass |
| TC-005 | Checkout with empty cart | 1. Login 2. Go to cart 3. Click "Checkout" | Error message: "Your cart is empty" | Error shown correctly | Pass |

Bug Tracking:

| Bug ID | Bug Description | Steps to reproduce | Severity | Status | Additional feedback |
|--------|---|---|----------|----------|---|
| BG-001 | Wishlist not updating after adding a book | 1. Login to app 2. Browse to a book 3. Click "Add to Wishlist" 4. Go to Wishlist page | Medium | Progress | Wishlist shows empty despite confirmation |
| BG-002 | Password reset email not received | 1. Go to login page 2. Click "Forgot Password" 3. Enter registered email 4. Submit request | High | Open | Happens intermittently |
| BG-003 | Search returns unrelated results for "Python" | 1. Login 2. Enter "Python" in search 3. Check results | Low | Open | Results show unrelated books |
| BG-004 | Checkout button not working on mobile devices | 1. Open app on mobile 2. Add item to cart 3. Go to cart 4. Try to click "Checkout" | High | Open | UI unresponsive only on small screens |

Sign-off:

Tester Name: RUMESA KHATHOON

Date: 27 JUNE 2025

Signature: Rumesakhathoon

Notes:

- Ensure that all test cases cover both positive and negative scenarios.
- Encourage testers to provide detailed feedback, including any suggestions for improvement.
- Bug tracking should include details such as severity, status, and steps to reproduce.
- Obtain sign-off from both the project manager and product owner before proceeding with deployment.