

# User Acceptance Testing (UAT)

IT314 - Software Engineering

*Group 10*



**Dhirubhai Ambani  
University**

**Next Chapter**

Online Book Reading Platform

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# 1. Introduction

User Acceptance Testing (UAT) was conducted to evaluate whether the NextChapter online book store meets the expectations of end users and administrators.

The objective of UAT is to validate real-world user flows such as browsing, reading, and admin book management.

This report contains the list of User Acceptance Criteria (UAC), corresponding Playwright and manual test cases, expected results, actual results spreadsheet report.

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## 2. User Roles

The system supports the following roles:

- **Guest User** – Can browse and search books without authentication.
  - **Registered User** – Can log in, highlight, bookmark, add to cart, and purchase books.
  - **Admin** – Can manage book inventory and view user interactions.
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## 3. User Acceptance Criteria (UAC)

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### User Authentication

1. The system must allow a user to register using an email and password.
2. The system must allow a user to register using Google login.

3. The system must allow a user to register using Apple login.
  4. The system must allow existing users to log in with valid credentials.
  5. The system must deny login attempts with invalid credentials.
  6. The system must deny registration attempts using an already registered email address.
  7. The “Forgot Password” option must trigger the reset process via the registered email ID.
  8. Successful login must redirect the user to the User Dashboard.
  9. Successful login must additionally notify the user through email.
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## Catalogue and Book Discovery

10. The system must display all available books under the “Explore Books” section.
  11. The system must allow users to filter books using keywords such as title, author, and genre.
  12. The system must allow users to open a detailed book page from the catalogue.
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## Book Details Page

13. The system must allow the user to add a book to their wishlist.
14. The system must allow the user to mark a book as “Read.”
15. The system must allow the user to rate a book.
16. The system must display the book’s average rating.
17. The average rating must update dynamically when new ratings are added.

18. The system must allow the user to write and post comments.
  19. The system must allow the user to reply to existing comments.
  20. The system must allow the user to like comments or replies.
  21. The system must allow the user to report inappropriate comments or replies.
  22. The system must display the user's reading progress percentage for the book.
  23. The reading progress must update dynamically based on user activity.
  24. The system must allow the user to click "Read Now" to open the reading interface.
  25. An AI-generated book summary option must be available.
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## **AI Comment Moderation**

26. The system must analyze all comments and replies using AI moderation before posting.
  27. If flagged with high confidence, the system must block posting and display a warning message.
  28. Only AI-approved content must appear in the comments section.
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## **Reading Interface (Reader)**

29. The system must allow the user to highlight text within the reader.
30. The system must allow the user to play the audiobook version, if available.
31. The system must allow the user to bookmark pages.
32. The system must display bookmark history in a side panel.

- 33. The system must allow navigation using Next and Previous buttons.
  - 34. The system must allow users to search for word meanings via a dictionary textbox.
  - 35. The system must support zoom-in, zoom-out, and reset options.
  - 36. The system must allow users to add books to cache for offline access.
  - 37. The system must allow switching between Light, Dark, and Reading modes.
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## AI Features

- 38. The system must allow the user to chat with the AI chatbot.
  - 39. The system must allow the user to generate images using the AI image generator.
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## User Profile

- 40. The system must allow the user to view their profile details.
  - 41. The system must allow the user to edit their profile information.
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## User Analytics

- 42. The system must display the total number of books the user has read.
- 43. The system must display the user's most-read genres.
- 44. The system must display the user's reading streak.

45. The system must display the “Continue Reading” section.

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## User Dashboard

46. The user must be able to navigate to the Books Catalogue from the Library menu button.

47. The user must be able to access “Already Read,” “Wishlist,” and “All Books” filters.

48. The “Take Subscription” button must redirect to the Subscription page.

49. The system must allow genre-wise filtering.

50. The user must be able to view trending books.

51. The user must be able to view new releases.

52. The user must be able to explore books outside their preferred genres.

53. The user must be able to view genre-based recommendations.

54. The user must be able to view the highest-rated books.

55. The user must be able to view books available for offline access.

56. The user must be able to navigate to the Contact section.

57. The user must be able to view Terms and Conditions.

58. The user must be able to view Pricing and Refund information.

59. The user must be able to send help/contact messages.

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## Subscription

- 60. The system must allow users to switch between monthly and yearly subscription plans.
  - 61. The Subscription page must display the current plan and available upgrades with details and prices.
  - 62. The “Get Started” button must initiate the payment flow.
  - 63. Successful payment must update the user’s active plan in the Profile section.
  - 64. Successful payment must trigger an email notification to the user.
  - 65. Successful payment must update revenue statistics in the Admin Dashboard.
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## **Admin Authentication**

- 66. The system must allow the admin to log in using valid admin credentials.
  - 67. Successful admin login must redirect to the Admin Dashboard.
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## **Admin Dashboard and Analytics**

- 68. The admin must be able to view their profile details.
- 69. The system must display user statistics.
- 70. The system must display reading statistics.
- 71. The system must display revenue statistics.
- 72. The system must display top books and top genres.
- 73. The admin must be able to view all reported comments and replies.
- 74. The admin must be able to accept or reject reported items.

- 75. The admin must be able to view recent activities.
  - 76. The admin must be able to view and respond to help/contact messages.
  - 77. The admin must be able to download statistics as a CSV file.
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## **Book Management**

- 78. The admin must be able to add a new book.
  - 79. The admin must be able to remove an existing book.
  - 80. The admin must be able to edit existing book details.
  - 81. The admin must be able to search for books using a search field.
  - 82. The admin must be able to bulk-upload books.
- 

## **Session Management**

- 83. The system must allow the user to log out successfully.
  - 84. The system must automatically switch to offline mode when internet connectivity is lost and display cached books.
  - 85. The system must restore online mode automatically when internet is available.
  - 86. The system must support cross-device data syncing for the same user account.
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## 4. UAT Test Cases

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### Authentication

1. Verify user can register using email and password
  2. Verify user cannot register with an already registered email
  3. Verify user can register using Google login
  4. Verify user can register using Apple login
  5. Verify user can log in with valid credentials
  6. Verify user cannot log in with invalid credentials
  7. Verify forgot password triggers reset process
  8. Verify successful login redirects to dashboard
  9. Verify successful login sends notification email
- 

### Catalogue & Book Discovery

10. Verify Explore Books page displays all available books
11. Verify user can search books by title
12. Verify user can search books by author
13. Verify user can search books by genre
14. Verify user can apply search filters in catalogue
15. Verify user can open a book details page from catalogue
16. Verify user can view trending books

- 17. Verify user can view new releases
  - 18. Verify user can view exploration out of genre
  - 19. Verify user can view recommendations based on genres
  - 20. Verify user can view highest rated books
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## **Book Details Page**

- 21. Verify user can add a book to wishlist
  - 22. Verify user can mark a book as read
  - 23. Verify user can rate a book
  - 24. Verify average rating is displayed for a book
  - 25. Verify displayed average rating updates after new rating
  - 26. Verify user can post a comment
  - 27. Verify user can reply to a comment
  - 28. Verify user can like a comment or reply
  - 29. Verify user can report inappropriate comments or replies
  - 30. Verify reading progress percentage is displayed
  - 31. Verify reading progress updates on reading activity
  - 32. Verify user can click Read Now from book details
  - 33. Verify AI book summary option is available
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## **AI Comment Moderation**

- 34. Verify system analyzes comments using AI moderation API
  - 35. Verify flagged comments are blocked with warning
  - 36. Verify only approved comments appear publicly
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## **Reading Interface (Reader)**

- 37. Verify user can highlight text
- 38. Verify audiobook can be played if available
- 39. Verify user can bookmark a page
- 40. Verify bookmark history appears in side panel
- 41. Verify Next button navigates to next page
- 42. Verify Previous button navigates to previous page
- 43. Verify dictionary meaning search returns correct result
- 44. Verify dictionary search handles unknown words
- 45. Verify zoom in functionality
- 46. Verify zoom out functionality
- 47. Verify reset zoom functionality
- 48. Verify user can add book to cache for offline access
- 49. Verify user can switch between Light mode
- 50. Verify user can switch between Dark mode
- 51. Verify user can switch to Reading mode
- 52. Verify Read Now button opens reader interface

53. Verify user can navigate to a specific page

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## **AI Features**

54. Verify user can chat with the AI chatbot

55. Verify user can generate images using AI generator

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## **User Profile**

56. Verify user can view profile details

57. Verify user can edit profile information

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## **User Analytics**

58. Verify total number of books read is displayed

59. Verify user's most-read genres are displayed

60. Verify reading streak is displayed

61. Verify Continue Reading section is displayed

62. Verify analytics search functionality

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## **User Dashboard**

63. Verify user can navigate to catalogue via Library button

- 64. Verify user can navigate to Read, Wishlist, and All sections
  - 65. Verify Take Subscription button redirects to subscription page
  - 66. Verify user can filter books by genre
  - 67. Verify user can view offline access section
  - 68. Verify user can navigate to Contact page
  - 69. Verify user can view Terms & Conditions
  - 70. Verify user can view Pricing & Refund information
  - 71. Verify user can send help/contact message
- 

## **Subscription**

- 72. Verify user can switch between monthly and yearly plans
  - 73. Verify current active plan is displayed
  - 74. Verify upgrade options and details are displayed
  - 75. Verify Get Started begins payment flow
  - 76. Verify successful payment updates active plan
  - 77. Verify successful payment sends email notification
  - 78. Verify payment updates revenue stats in admin dashboard
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## **Admin Authentication**

- 79. Verify admin can log in with valid credentials

80. Verify successful admin login redirects to admin dashboard

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## **Admin Dashboard & Analytics**

- 81. Verify admin can view profile details
  - 82. Verify user statistics are displayed
  - 83. Verify reading statistics are displayed
  - 84. Verify revenue statistics are displayed
  - 85. Verify top books and genres are displayed
  - 86. Verify admin can view all reported comments
  - 87. Verify admin can accept reported items
  - 88. Verify admin can reject reported items
  - 89. Verify admin can view recent activities
  - 90. Verify admin can view and reply to contact/help messages
  - 91. Verify admin can export statistics CSV
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## **Admin Book Management**

- 92. Verify admin can add a new book
- 93. Verify admin can remove an existing book
- 94. Verify admin can edit book details
- 95. Verify admin can search for books

96. Verify admin can bulk upload books

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## Session Management

97. Verify user can log out

98. Verify system automatically switches to offline mode without internet

99. Verify cached books are visible in offline mode

100. Verify system returns to online mode when internet restores

101. Verify cross-device sync works for same account

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## 5. Spreadsheet Report

<https://docs.google.com/spreadsheets/d/1WYS0bEZpfePY6bUztw6fVlIF-BtRG-l1rDsloPtQLFY/edit?usp=sharing>

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## 6. Failed screenshots

```
{
  "code": 400,
  "error_code": "validation_failed",
  "msg": "Unsupported provider: provider is not enabled"
}
```

### Recommended For You

Tap the button to fetch fresh picks based on your recent reading activity.

SHOW PICKS

Failed to fetch

ADAPTIVE LEARNING

# Explore New Books

Step outside your usual shelf. These suggestions intentionally hide books you have already started or finished so you can experiment with new genres and authors.

### Explore Something New

Failed to fetch

REVENUE

\$

₹0.00



## AI BOOK ASSISTANT

📖 A Christmas Carol - Page 36 of 202

Current Page Preview



Hey there! I'm here to chat about "A Christmas Carol" with you. Ask me anything about the book, characters, plot, or just share your thoughts!

Generate summary

SEND

**www.next-chapter.dev** says

Failed to generate image: Failed to fetch

OK



abc12345

FREE

Upgrade ↗

```
2 failed
  [chromium] > tests\admin\bookManagement\bookManagement.spec.js:3:5 > Add book
  [chromium] > tests\admin\commentManagement\commentManagement.spec.js:3:5 > Reviewing Reported Comments
1 flaky
  [chromium] > tests\ui\reader\reader.spec.js:33:5 > Bookmark page
24 passed (1.9m)
```

Q

All 27 ✓ Passed 24 ✗ Failed 2 ⚠ Flaky 1 Skipped 0

Project: chromium24/11/2025, 23:03:29 Total time: 1.9m

admin/bookManagement/bookManagement.spec.js

✗ Add book chromium29.7s

admin/bookManagement/bookManagement.spec.js:3 View Trace

admin/commentManagement/commentManagement.spec.js

✗ Reviewing Reported Comments chromium26.6s

admin/commentManagement/commentManagement.spec.js:3 View Trace

ui/reader/reader.spec.js

⚠ Bookmark page chromium1.2m

ui/reader/reader.spec.js:33 View Trace

✓ Read now chromium5.3s

ui/reader/reader.spec.js:3

✓ Go to desired page chromium7.0s

ui/reader/reader.spec.js:16

✓ Change reading mode chromium3.2s

ui/reader/reader.spec.js:51

✓ Play audio book chromium5.7s

ui/reader/reader.spec.js:67

✓ Dictionary meaning right word chromium3.3s

ui/reader/reader.spec.js:83

✓ Dictionary meaning wrong word chromium3.3s

ui/reader/reader.spec.js:100

✓ Chatbox chromium3.5s

ui/reader/reader.spec.js:117

✓ Image generation chromium3.4s

ui/reader/reader.spec.js:135

admin/authentication/adminLogin.spec.js

✓ Admin login with valid credentials chromium3.6s

admin/authentication/adminLogin.spec.js:3

admin/authentication/adminLogin.spec.js		
✓ Admin login with valid credentials <span>chromium</span>		3.6s
admin/authentication/adminLogin.spec.js:3		
ui/analytics/analytics.spec.js		
✓ Search for book <span>chromium</span>		5.1s
ui/analytics/analytics.spec.js:3		
ui/authentication/login.spec.js		
✓ user login with valid credentials <span>chromium</span>		2.6s
ui/authentication/login.spec.js:3		
✓ user login with invalid credentials <span>chromium</span>		2.3s
ui/authentication/login.spec.js:13		
ui/authentication/register.spec.js		
✓ Register <span>chromium</span>		4.9s
ui/authentication/register.spec.js:3		
ui/bookDetails/book.spec.js		
✓ Open book details page <span>chromium</span>		5.1s
ui/bookDetails/book.spec.js:3		
✓ Acceptable comment <span>chromium</span>		7.2s
ui/bookDetails/book.spec.js:16		
✓ Unacceptable comment <span>chromium</span>		6.8s
ui/bookDetails/book.spec.js:31		
✓ Add to Reading list <span>chromium</span>		4.1s
ui/bookDetails/book.spec.js:49		

ui/authentication/register.spec.js		
✓ Register <span>chromium</span>		4.9s
ui/authentication/register.spec.js:3		
ui/bookDetails/book.spec.js		
✓ Open book details page <span>chromium</span>		5.1s
ui/bookDetails/book.spec.js:3		
✓ Acceptable comment <span>chromium</span>		7.2s
ui/bookDetails/book.spec.js:16		
✓ Unacceptable comment <span>chromium</span>		6.8s
ui/bookDetails/book.spec.js:31		
✓ Add to Reading list <span>chromium</span>		4.1s
ui/bookDetails/book.spec.js:49		
✓ Mark as read <span>chromium</span>		4.5s
ui/bookDetails/book.spec.js:62		
✓ Report Comment <span>chromium</span>		4.6s
ui/bookDetails/book.spec.js:75		
ui/catalogue/browse.spec.js		
✓ Search for book <span>chromium</span>		4.7s
ui/catalogue/browse.spec.js:3		
✓ Apply filter <span>chromium</span>		6.0s
ui/catalogue/browse.spec.js:16		
ui/profile/profile.spec.js		
✓ View Profile <span>chromium</span>		7.0s
ui/profile/profile.spec.js:3		
✓ Update Profile <span>chromium</span>		8.0s
ui/profile/profile.spec.js:16		
ui/session/logout.spec.js		
✓ Logout <span>chromium</span>		5.0s
ui/session/logout.spec.js:3		

## 7. UAT Summary

The UAT results for **NextChapter** indicate that all primary user-facing functionalities are performing as expected. Core flows such as user authentication (registration and login), catalogue browsing, book discovery, book-level interactions (reading list, marking as read, bookmarking, commenting), and essential reading interface tools (dictionary lookup, audiobook playback, navigation), Books management, statistics analysis and visualization function correctly. Profile management and user session handling are stable, and analytics elements such as search are operational.

However, several advanced features remain incomplete or non-functional, including Apple login, AI-driven components (chatbot and image generation), post subscription flow trigger actions, AI based recommendations, Email notifications for login and subscriptions. Overall, the platform demonstrates strong stability in end-user workflows, while administrative and AI-based features require further development and testing.