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Test Results Report

1. Introduction

This report summarizes the acceptance test results for the final build of BookMind. All tests were run in the deployment environment defined in the project's Deployment Plan.

2. Test Results Overview

Test ID	Scenario	Status	Notes / Issues Encountered
AT-01	User Login	PASS	Token creation and Firestore login worked without any issues.
AT-02	Rate Book	PASS	The rating modal opened normally, and the rating was saved correctly after fixing an earlier state update issue.
AT-03	Recommendations	PASS	Book covers were fetched from Open Library without problems.
AT-04	Book Search	PASS	If no books match the search, the system shows a simple 'Not found' message.

3. Test Results Analysis

The system successfully met all acceptance criteria for the four selected scenarios.

- ❑ **Stability:** During the tests, the application didn't crash or freeze.
- ❑ **Performance:** Both the search and recommendation endpoints responded within the expected time range.
- ❑ **Discrepancies** At first, the Reading List button didn't keep its state after a page refresh. We later discovered that this was caused by a missing useEffect dependency, and it was fixed before the final tests.
- ❑ **4. Logs and Outputs**

Below are samples of the logs generated during the testing process, demonstrating successful system behavior.

Backend Logs (Flask Console):

Plaintext

[INFO] Firebase Connected Successfully.

[INFO] Model loaded with 5000 books.

127.0.0.1 - - [06/Nov/2025 14:00:05] "POST /api/auth/login HTTP/1.1" 200 -

127.0.0.1 - - [06/Nov/2025 14:00:12] "GET /api/books/ratings/recent HTTP/1.1" 200 -

127.0.0.1 - - [06/Nov/2025 14:01:45] "POST /api/books/059035342X/rate HTTP/1.1" 200 -

127.0.0.1 - - [06/Nov/2025 14:02:10] "GET /api/users/UID123/recommendations HTTP/1.1" 200 -

Frontend Outputs (Browser Console):

Plaintext

- > User logged in: {uid: "UID123", username: "BookLover"}
- > Fetching details for book ID: 059035342X
- > Review submitted successfully.
- > Search query: "Dostoyevsky" -> Found 5 results.

List of Contributors

- Samet Emre Demir – Team Member
- Melih Rıza Koç – Team Member
- İclal Suzan – Team Member

Project Team: VAREON

Task Matrix (For All Documents)

Task	Responsible Member
Deployment Plan Preparation	Melih Rıza Koç
Acceptance Criteria Definition	İclal Suzan
Test Case Creation	Samet Emre Demir
Execution of Tests	All Members
Results Analysis & Reporting	Melih Rıza Koç
Final Review & Formatting	İclal Suzan