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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