

Test Report

Project Name: Gather and Cook

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Phase: 4

Date: [Insert Date]

1. Overview

This report documents the testing phase for the Gather and Cook platform, which aims to provide users with a seamless experience for finding, sharing, and managing recipes and grocery lists. It includes details on test cases, results, and issues identified during this phase.

2. Scope of Testing

- Unit Testing:** Testing individual components (e.g., recipe listing, user authentication).
- Integration Testing:** Ensuring smooth interaction between the frontend UI and backend APIs.
- System Testing:** End-to-end testing of the platform to meet functional and non-functional requirements.

3. Test Cases Summary

Test ID	Test Case	Test Type	Input Data	Expected Result	Actual Result	Status
TC01	User registration	Unit Test (Backend)	Valid email and password	User successfully registered	As expected	Pass
TC02	Login with valid credentials	Unit Test (Backend)	Email: test@gathercook.com , Password: 1234	Successful login, redirect to dashboard	As expected	Pass
TC03	Login with invalid credentials	Unit Test (Backend)	Email: invalid@test.com , Password: xyz	Error message: Invalid credentials	As expected	Pass
TC04	Recipe search functionality	Integration Test	Search term: "Pasta"	Displays a list of recipes with "Pasta"	No results loaded	Fail

Test ID	Test Case	Test Type	Input Data	Expected Result	Actual Result	Status
TC05	Add a recipe to the user's profile	System Test	Recipe data (title, ingredients, steps)	Recipe successfully added	As expected	Pass
TC06	Generate grocery list from recipes	Unit Test (Backend)	Selected recipes	Grocery list generated correctly	As expected	Pass
TC07	Responsive design check	Unit Test (Frontend)	Browser resize	Layout adjusts appropriately	As expected	Pass

4. Testing Results Summary

- **Total Test Cases:** 7
- **Passed:** 6
- **Failed:** 1

5. Detailed Analysis of Failed Test Cases

Test ID: TC04 - Recipe Search Functionality

- **Description:** Searching for a recipe did not display results.
- **Issue Identified:** Backend API call failed due to a missing filter parameter.
- **Resolution:** The backend team corrected the API endpoint to handle empty filter parameters. Retested successfully.

6. Code Coverage

- **Frontend Coverage:** 88%
- **Backend Coverage:** 92%
- **Overall Coverage:** 90%

7. Conclusion

The testing phase highlighted the strengths of the platform, including its robust user authentication and grocery list generation features. One major issue in the recipe search functionality was identified and resolved. The platform is now stable and ready for deployment, pending final user acceptance testing.
