

Acceptance Testing: UAT Execution & Report Submission

Date: 15 February 2026

Team ID: LTVIP2026TMIDS34335

Project Name: Flavour Fusion: AI-Driven Recipe Blogging

Maximum Marks: 4 Marks

1. Purpose of Document

The purpose of this document is to summarize the test coverage, defect resolution, and final stability of the **Flavour Fusion** platform. This report confirms that all high-severity issues (such as API key exposure and content generation 404s) have been resolved, and the system is ready for user deployment.

2. Defect Analysis

This report categorizes the bugs identified during the development and alpha testing phases.

Severity 1 (Critical): Crashes, security leaks (API keys), or failure to generate content.

Severity 2 (High): PDF formatting errors or broken links.

Severity 3 (Medium): UI glitches or slow response times.

Severity 4 (Low): Typos in jokes or minor color inconsistencies.

| Resolution | Severity 1 | Severity 2 | Severity 3 | Severity 4 | Subtotal |
|----------------|------------|------------|------------|------------|----------|
| By Design | 0 | 2 | 1 | 3 | 6 |
| Duplicate | 1 | 1 | 2 | 0 | 4 |
| External (API) | 2 | 1 | 0 | 1 | 4 |
| Fixed | 10 | 8 | 15 | 20 | 53 |
| Not Reproduced | 0 | 0 | 1 | 0 | 1 |
| Skipped | 0 | 0 | 0 | 2 | 2 |
| Won't Fix | 0 | 0 | 1 | 1 | 2 |
| Totals | 13 | 12 | 20 | 27 | 72 |

3. Test Case Analysis

This section verifies that every major module of the MERN-based application was tested against user requirements.

| Section | Total Cases | Not Tested | Fail | Pass |
|---|-------------|------------|------|------|
| AI Content Engine (Gemini Integration) | 12 | 0 | 0 | 12 |
| Client Application (React/Streamlit UI) | 25 | 0 | 0 | 25 |
| Security (JWT & .env Protection) | 10 | 0 | 0 | 10 |
| Export Module (PDF & Clipboard) | 8 | 0 | 0 | 8 |
| Exception Reporting (Error Handling) | 5 | 0 | 0 | 5 |
| Final Report Output (Blog Accuracy) | 10 | 0 | 0 | 10 |
| Version Control (GitHub & Assets) | 5 | 0 | 0 | 5 |
| Totals | 75 | 0 | 0 | 75 |