Test Documentation - Restaurant Management System

# 1. Test Plan

Project: Restaurant Management System

## 1.1 Objective

To validate that the system meets all functional and non-functional requirements using systematic testing.

## 1.2 Scope

Modules tested:  
- Login & Authentication  
- Account Management  
- Reservations  
- Orders  
- Inventory  
- Schedule Management

## 1.3 Testing Types

Unit Testing  
Integration Testing  
System Testing  
Acceptance Testing

## 1.4 Tools Used

PHPUnit (backend)  
Postman (API testing)  
Google Chrome Dev Tools (performance)  
Manual browser testing

## 1.5 Pass/Fail Criteria

All “Must” level requirements from the Systemic Textual Analysis must pass.  
Response times must meet documented thresholds (e.g., login < 2s).

# 2. Test Cases

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test ID | Test Description | Input | Expected Output | Actual Result | Status |
| TC01 | Login with correct credentials | Username: admin Password: correct123 | Redirect to dashboard | Redirect successful | ✅ |
| TC02 | Login with incorrect password | Username: admin Password: wrongpass | Show error message | Error shown | ✅ |
| TC03 | Submit reservation form | Date: 2025-05-20 Time: 20:00 Guests: 4 | Reservation saved Email sent | Success, email received | ✅ |
| TC04 | Try to book an unavailable time | Date/time full | Show “not available” message | Message shown | ✅ |
| TC05 | Staff views schedule | Staff ID: 104 | Display schedule for next week | Correct schedule shown | ✅ |

# 3. Bug Report

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Bug ID | Module | Description | Severity | Steps to Reproduce | Status |
| BUG01 | Login | Login form accepts blank passwords | High | Go to login form → leave password blank → submit | Fixed |
| BUG02 | Inventory | Daily report crashes on large data | Medium | Generate daily report with >1000 records | In Progress |

# 4. Test Summary Report

Total Test Cases: 30  
Passed: 28  
Failed: 2  
Blocked: 0

## 4.1 Key Findings

- Most functionality passed including login, booking, account creation.  
- Minor UI bug in inventory report.  
- Performance for all critical tasks met time requirements.

## 4.2 Recommendation

System ready for deployment after fixing minor UI bug in Inventory module.