**A PROPOSED OFFERING OF A HOTEL RESERVATION MANAGEMENT SYSTEM FOR EUROTEL NORTH EDSA**

A Testing Document Presented to the

Faculty of Datamex College of Saint Adeline, Inc.

In Partial Fulfillment of the Requirements for the

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## **INTRODUCTION**

**Purpose of the Testing Phase**

The testing phase ensures that the Hotel Reservation Management System functions correctly and meets all the specified requirements. It aims to detect and fix any errors, verify that all modules operate as expected, and confirm that the system performs efficiently in real-world conditions.

**Purpose of the Testing Phase**

* To validate that all system functionality perform according to the requirements.
* To ensure that user interactions (admin and guests) are smooth and error-free.
* To verify the accuracy of reservation records and real-time room availability updates.
* To confirm that data is stored securely and that all forms and transactions work correctly.
* To ensure that the system meets user expectations through User Acceptance Testing (UAT).

**Purpose of the Testing Phase**

Inclusions: Reservation management, admin login, room monitoring, guest record storage, check-in/check-out, and reporting.  
Exclusions: Online payment gateway, payroll, HR modules, and external integration.

**TESTING ENVIRONTMENT**

**Hardware Specifications**

|  |  |
| --- | --- |
| **Device** | **Specification** |
| Processor | Intel Core i5 10th Gen |
| Ram | 8 GB DDR4 |
| Storage | 512 GB SSD |
| Operating System | Windows 10 up |
| Devices Used | 3 PCs/Laptops + 1 Printer |
| Printer | CANON INKJET TS207 |

**Software Requirements**

Visual Studio Code, MySQL 8.0+, XAMPP/WAMP, and web browsers (Chrome/Edge) were used for testing.

**Test Data**

Sample guest names: Juan Dela Cruz, Maria Santos  
Room Types: Standard, Deluxe, Suite  
Booking IDs: BK001, BK002  
Admin: admin01/admin123 | Guest: guest01/guest123

**TESTING METHODOLOGY**

The testing followed Black-Box, White-Box, and User Acceptance Testing approaches. Manual test cases, MySQL queries, and browser debugging tools were used to validate system performance.

**TESTING CASES**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test Case ID | Test Description | Test Steps | Expected Output | Actual Output | Status | Remarks |
| TC001 | Login with valid credentials | Enter username, password, click login | Redirected to dashboard | Redirected to dashboard | Pass | N/A |
| TC002 | Login with invalid password | Enter username, wrong password, click login | Error message appears | No error appeared | Fail | Bug identified |
| TC003 | Add booking record | Enter guest details, choose room, save | Booking saved successfully | Booking saved successfully | Pass | N/A |

## 

## **BUG TRACKING & ISSUE LOG**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Bug ID | Description | Severity | Reported By | Status | Resolution |
| B001 | Login page crashes on incorrect password | High | Francis Rico Anacta | Finish | Fix |
| B002 | Report export not generating correctly | Medium | Marjorie Bernadas | Finish | Fix |

## **USER ACCEPTANCE TESTING (UAT)**

Test Scenarios: Admin manages bookings, room status updates, guests view confirmations, and reports generate correctly.  
Feedback: Users found the system easy to use; requested auto-refresh for room status and printable receipts.

**CONCLUSION & RECOMMENDATIONS**

Testing confirmed the system functions well with minor UI issues and a few bugs identified. Recommended improvements include auto-refresh dashboard, regular maintenance updates, and optional online payment integration.