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.

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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.