Development of a Web- Based Hotel Reservation System for the Regional Mango Center (RMC) at President Ramon Magsaysay State University San Marcelino Campus (PRMSU - SM)

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A Thesis

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APPROVAL SHEET

This, study entitled **"Development of a Web- Based Hotel Reservation System for the Regional Mango Center (RMC) at President Ramon Magsaysay State University San Marcelino Campus (PRMSU - SM)"** prepared and submitted by CHRISTIAN PAUL A. TALARO, CHRISTIAN JOHN NAVARRO, ROMULO QUIMEN III in partial fulfillment of the requirements for the degree of **BACHELOR OF SCIENCE IN COMPUTER SCIENCE** are hereby recommended for oral examination.

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EXECUTIVE SUMMARY

The objective of this thesis was to design and create an online hotel reservation system for the Regional Mango Center (RMC) at President Ramon Magsaysay State University – San Marcelino Campus (PRMSU-SM) with the intention of streamlining the reservation process and improving the overall user experience for both hotel guests, admin and staff. The system made use of technology to offer consumers a simple and effective platform for searching, comparing, and booking hotel stays.

The user-friendly design of the online hotel reservation system enabled visitors to quickly search for hotels according to their chosen location, check-in and check-out dates, and other particular criteria. Users were given access to the most recent information on room availability, pricing, facilities, and customer ratings through the system's integration with numerous hotel databases, allowing them to make informed decisions.

The system maintained the security and integrity of customer payment information through the use of a secure payment gateway, providing a quick and reliable booking procedure and getting an email confirmation of their reservation right away.

Both hotel customers and administrators could profit greatly from the use of an online hotel reservation system. While staff could simplify operations, boost client happiness, and boost income through effective management of bookings, guests could take advantage of a hassle-free booking experience, access a variety of hotel alternatives, and get immediate confirmations.

The system development, database integration, and user needs underwent a thorough review throughout the creation of the online hotel reservation system. The system underwent extensive testing and iterative upgrades to guarantee its dependability, security, and usability. The system complied with industry standards and best practices and was created utilizing contemporary web development technology.

In conclusion, by embracing technology to improve the hotel booking experience, the creation of this online hotel reservation system constituted a significant contribution to the Regional Mango Center (RMC) at President Ramon Magsaysay State University - San Marcelino Campus (PRMSU-SM). Both hotel visitors and administrator might benefit from the system's user-friendly interface, secure payment gateway, and extensive backend administration features.