ABSTRACT

The Online Billing and Reservation System was proposed to solve a problem commonly experienced by resorts nowadays: the difficulty of dealing with reservations using the existing manual system. The study aimed on how the manual system performs throughout the entire process of reservation. The importance of the procedures of the manual system was made in order to create a system that will be a solution to the problem stated.

The proponents used Data Flow Diagrams to analyze the existing system to create the proposed system that will eliminate the problem regarding the difficulty of handling reservations. Also, the existing system or the manual system covered the entire reservation process of the resort which includes updating and adding reservation request, and the billing process. Based on the research made by the proponents, some problems were identified, such as vulnerability of data to error, weak data security, and difficulty in reservation endorsement. The proposed system implemented the process similar to that of the existing system, but user inputs were made much easier and faster compared to that of the manual system.

The security of the data is also reinforced, and the real-time manipulation of data greatly improved the process of reservation. Since the study includes proper data manipulation and handling, an evaluation of the manual system was needed and performed. Overall, the proponents gathered necessary data that helped in the process of enhancing the existing system of the company through the proposed system.