

**Hotels Management System Online**

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**Declaration**

I hereby certify that this material, which I now submit for assessment on the programme of study leading to the award of Bachelor of Science in *(Information Technology)* is entirely my own work, that I have exercised reasonable care to ensure that the work is original, and does not to the best of my knowledge breach any law of copyright, and has not been taken from the work of others save and to the extent that such work has been cited and acknowledged within the text of my work.

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**Abstract**

This document has been prepared by the students of Computer and Information Technology as a graduation project. The document aims at providing a full documentation for building an information system. All the chapters inside this document provide all the necessary information for developing an information system.

The system that will be developed based on this document is a Hotel`s Management System.

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# Chapter 1

**Introduction**

## 1.1 Project Title

Hotels Management System Online.

## 1.2 Introduction

Technology has spread so fast in the last 20 years. Due to this revelation in technology, organizations nowadays tend to move its functions towered this revolution. Most organizations today have huge systems to manage their business processes.

Due to the huge growth in terrorism and the huge needs for hotels to be around, Hotels Management System is a huge case to be considered. We see hotels get belt so fast every day and Management systems are not easy to get or access.

We thought of building a Hotel`s management system that can be easy to access and doesn’t cost a fortune.

## 1.3 Problem Statement

If we see hotels as users, we might build an easy access management system that provide all functions required inside a hotel.

The system will be much cheaper than the regular systems because it will be accessed online, and it will be easy to grow in the future.

## 1.4 Project Objectives

* This project aims at developing a standard Hotel`s System with an accepted price.
* Lower the cost of such systems.
* The system will provide all the functions that the hotel needs effectively.

## 1.5 Project Scope

**1.5.1 Geographical Scope:**

* This system can be used in any hotel across the world.

**1.5.1 Functional Scope:**

* The system will manage and monitor rooms.
* The system will be accessed online.
* The system will provide all the reports needed.
* Every hotel will have his own database in the server.

## 1.6 Project Methodology

The methodology that will be used in this project is an extreme programming methodology (Agile XP methodology).

One of the reasons for choosing this methodology is that the development team doesn’t has an expert analyst and must solve the problems programmatically.

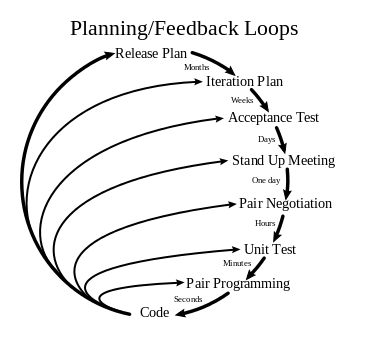


Figure 1.1 - Methodology Planning Loops

## 1.7 Tools

* Visual Studio 2015
* SQL Server 2016
* Git
* GitHub
* Google Chrome
* Notepad++

## 1.8 Limitation

The system won’t have an accounting module.

# Chapter 2

**literature review**

## 2.1 Introduction

Since this project is based on building a new system we will be examining an existing system and try to find its draw backs. The reason behind this review is to find a better and faster solutions for problems to apply it to the new system.

## 2.2 Nazeel Management System

Nazeel is an online management system for hotels. Hotels must buy the system in order to use it – it does not have a trail. All the system`s features as described below.

### **2.2.1 Leasing**

This system allows hotels to:

* Show the user the available rooms in order to check in.
* Show the user the rented rooms in order to check out.
* Allows user to change the states of the rooms.

### **2.2.2 Furniture**

The system allows furniture tracking for each room inside the hotel. The user can add, modify or remove any peace of a furniture.

### **2.2.3 Customers**

The system has a customer’s module to manage new or existing customers.

### **2.2.4 Services**

The system allows residents to order any kinds of services and the system will automatically add the charge to the bill of a certain resident.

### **2.2.5 Bills**

The system has an entire billing module:

* Exchange Bonds
* Banknotes
* Services
* Receipts

### **2.2.6 SMS**

The system is integrated with a third-party SMS provider to allow hotels to use the service for their residents. The charges for each message is explained in the front page of the system.

### **2.2.7 Reports**

The system provides the following reports:

* Report the movement of apartments
* Total monthly report
* Fund Movement Report
* Report receivable bonds
* Bills Report
* Report on exchange items
* Report of service bonds
* Report of staff statistics
* Customer Reservation Report
* Change the apartments report
* Message summary report
* Open Reservations Report
* Annual report of months

### **2.2.8 Configuration**

The system has a gate for all possible configuration:

* Prices of apartments
* Manage users
* Messaging settings
* Peak time settings
* Booking settings
* Company data settings
* Conditions of Contract
* Settings of exchange items
* Accounts
* Services Management
* Names settings for Windows
* Change the price by type
* Customer rating

## 2.3 Conclusion

The system is well designed and has a lot of features, although it lacks the globalization. The system is located on the cloud, yet, it is not integrated with other systems like laundries and restaurants. The system also lacks a parking module since some hotels have a large parking floors.

The goal here is to build a larger system that can also integrate with other systems that interact with the hotel.