**CHAPTER 1**

**INTRODUCTION**

Online Room Booking System is a web-based application. The main aim of the application is to automate the process of day to day activities of hotel like admission of a new customer, assign a room according to customer’s demand. The system has two different types of users like admin (management of the hotel) and online users.

**1.1 Problem Statement**

Hotels have been around for a very long time, using various methods of keeping records. Historically, hotels have kept paper records in filing cabinets. However, hotels are much larger now with many customers to keep track of with regard to types of accommodations, whether low budget, luxury, or somewhere in between. Keeping track of large customer bases and all their attendant details would require an inordinate space for file cabinets, not to mention the time employees would spend going back and forth to file cabinets looking up each client’s information. The problems that will faced by the hotel management are difficult to handle the data, insert, delete, search, update, these types of methods are not accessible and not carry with the manual method, security of the data are not guaranteed, the data can be lost in the manual method.

Hence, the proposed system will make the job easier for the user as well as the hotel administrators. Using the website, user can book the hotel faster and easier and admin can retrieve the data faster. Insertion, deletion and modification of the data are made easier and faster.

**1.2 Scope of the Project**

Cascading Style Sheets is a style sheet language used for describing the presentation of a document written in a markup language like Hyper-Text Markup Language (HTML), Cascading Style Sheets (CSS) is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript. Bootstrap is a free and open-source front-end framework for designing websites and web applications. It contains HTML- and CSS-based design templates for typography, forms, buttons, navigation and other interface components, as well as optional JavaScript extensions. jQuery is a JavaScript library designed to simplify the client-side scripting of HTML. It is free, open-source software using the permissive Massachusetts Institute of Technology (MIT) License.

Web analysis indicates that it is the most widely deployed JavaScript library by a large margin. phpMyAdmin is a free and open source administration tool for MySQL and MariaDB. As a portable web application written primarily in PHP, it has become one of the most popular MySQL administration tools, especially for web hosting services. The Apache HTTP Server Project is an effort to develop and maintain an open-source HTTP server for modern operating systems including UNIX and Windows. The goal of the project is to provide a secure, efficient and extensible server that provides HTTP services in sync with the current HTTP standards. The Apache HTTP Server is a project of the Apache Software Foundation.