

**JEE Cloud
Incremental Project
Hotel Management System
(HMS)**

Document Control

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1 INTRODUCTION

This document outlines a mini project for the JEE LOT. The project is to develop an online Hotel Bookings Management System (HBMS) for a website “CheapStays.com”. This document contains the work flow of the system and gives guidelines on how to build the functionality gradually in each of the course modules of the JEE LOT.

2 PROBLEM STATEMENT

2.1 OBJECTIVE

Development of an online Hotel Bookings Management System (HBMS)

2.2 ABSTRACT OF THE PROJECT

This project is aimed at developing an online Hotel Bookings Management System (HBMS). This is a web based application that can be accessed over the web. This system can be used to search for Hotel rooms and reserve them. This is an integrated system that contains both the user component, Hotel-Employee component and the Admin component. There are features like report generators etc in this system.

2.3 FUNCTIONAL COMPONENTS OF THE PROJECT

Following is a list of functionalities of the system. Wherever, the description of functionality is not adequate; you can make appropriate assumptions and proceed.

There are three categories of people who would access the system viz. customer, hotel-employee & Admin. Each one of them would have some exclusive privileges (for e.g. customer and hotel-employee can just search for hotel rooms and reserve them, but only the admin has the right to add new and modify hotels.)

1. Customer and Hotel-Employee should be able to
 - Register into the system.
 - Login to the system using his/her credentials.
 - Search for hotel rooms.
 - Book hotel rooms.
 - View Booking Status
2. The Admin should be able to
 - Login to the system using his/her credentials
 - Perform Hotel Management (add/delete/modify Hotel info like description, any special offers etc)
 - Perform Room Management (add/delete/modify Room info like revised tariff)
 - Generate various reports like:

- ### 3 IMPLEMENTATION IN JEE LOT

The participants need to develop the Online **HBMS** by building the functionality incrementally in each of the course modules of JEE LOT.

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