

PROGRAM OVERVIEW

Hotel Management System (in Python) is a simple console application, based on a Character User Interface. This CUI application may be used for booking rooms in a hotel for individual accounts. In this program we have tried to keep the language highly user friendly so that the user is properly directed through the steps of booking their hotel rooms and at the same time we have also tried to maintain all the possibilities which may help the user to book his/her hotel in a fast yet secured way.

Some of the features of the program:

- ❖ **USER ACCOUNTS:** This feature helps users to create their individual accounts so that their data is secured and bookings are easily accessible.
- ❖ **ACCOUNT SETTINGS:** This feature helps the users to change their account details like username, password & email id anytime they wish to. (Note: For changing password, the last password will also be required for confirmation so as to prevent unauthorised access to user accounts)
- ❖ **CARD VALIDITY CHECKER:** This feature allows the system to check the validity of a card number based on some internationally accepted predefined structures for credit and debit card numbers. Thus, payments are more secured.
- ❖ **INVOICE GENERATOR:** This feature provides the user with a detailed invoice at the end of every transaction. This invoice can also be accessed later by the user through their accounts.
- ❖ **BOOKING CANCELLATION:** This feature allows the user to cancel a booking and get the refund for a booking they had done previously, before the booking period is over.