**Proposal for Home Stay Reservation System**

**Introduction:**

Home stay for room rent systems are around the world with various ways of keeping records. Earlier days customers and owners were involved in lots of paper work for booking rooms. In addition it was time consuming process.

Now a days, the software are quite popular to avoid the headache of paper work.

**Modules:**

Home stay Reservation System includes below modules:

* Staff User Login
* Admin Login
* Room registration
* Room services
* Customer Payment Management System
* Customer Services Management System

**Functional Requirements:**

* Only admin have the permission to add staff user to use the system
* Manage Home Stay Bookings – Display Main Screen
* Make reservation - Customer/guest can reserve room or system maintenance- Staff user can reserve room for customer
* Delete reservation – staff can delete customer reservations
* Maintain Home/rooms – a) Add, update and delete Home stay screen
* b) Add, update and delete home stay room(s) screen
* Check In and Check out – Only receptionist user can check in and check out by validating customer.

**Extension points:**

* Delete Reservation
* Make Reservation
* Update home stay info
* Delete home stay
* Delete room
* Update room

**Pre-condition:**

User should be successfully logged in.

**Post-condition:**

User must be successfully able to use the provided features on accessing “Manage home stay Booking”

**Features Functionality**

The system will display main screen (Dashboard).

The Staff user will select a function.

**1. Admin Panel**

**Admin Form have the access**

* Add Staff user
* Delete Staff user’s login
* Update Staff user’s login
* Can see all Staff users Data
* Have all the privileges which Staff user have

**2. Staff** **User panel**

Staff User Panel Have following functions.

1. **Dashboard will show the total rooms.**

* Rooms which are reserved.
* There will be check in records of those who check in today.
* There will be a record of checkout guest.
* There is data gird which will have the list of available rooms
* There will be a list of customers which are in home stay.

1. **Room registration**

* The rooms will be registered in this module.
* There will be a grid which show the data of available rooms. The employee will select the room from list according to customer requirements.
* check the status if the room is available or not
* There will be a search box which help to filter the customer information who reserved the room

1. **Room service**

* There will be a form which is for registration of services. The services, which are used by guest will be add from available list. Or custom service will able to add if it is not registered.

1. **Customer payment**

* In this form, customer data will be retrieve from database. The room charges and services charges will be add in this form.
* There will be function of discount (if any).
* Finally the room price, service and discount will be add and total bill will be generate.

1. **Customer information**

* It show the information of all customers.
* It also will have the information of checkout/check in customers.
* There will be a filter for customer name search.
* There will be date filter to see the records.

**Hardware and Software Requirements:**

**Hardware:**

Processor i5

RAM 4.00 GB

64 bit operating system

**Software:**

Windows 10

Visual studio 2019

Sql server 2008