Introduction

This program is made for apartment leasing business. Since, keeping all the important data in one place for quick reference would mean the personals working at the front desk would be able to work more effectively. I have contacted the user, an owner of a small apartment building, about how I great it would be to have a program to manage the numbers of empty rooms and keep the information on the lessee. The user think it would be a nice idea if I could really write up this program as it would help him in his management of the apartment.

Current System

The current system the user use is on paper. When a lessee agrees to rent a room the user have them fill out the contact on paper. This method cause a lot of trouble since there must be many folders to keep all the paper work. However, it is curial to the user that this method remains intact, and that the software would run alongside the current system. The second problem is that the user has to go through many books to see if a room is empty and available for rent or was it reserved by someone else. The problem associated with the current system is that if there are a lot of people working with the paperwork, it gets messy and confusing.

what rooms?
where?

Analysis

I questioned the user on what he thinks should be in the program.

- What information do you need on the lease contact?
- Do you need a password system to keep the files protected?
- Should there be a way to show the status of all the rooms at once? And a way to should only one status e.g. Empty rooms only?

The questions were answered as followed

1. The information that would be store are personal information about the lessee such as name, gender, contact number, address, and many more.
2. A password system is required in order to protect the information of the lessees. However, it only needs one user which is for the administration.
3. Yes, there should be a way to sort the rooms. If I want to see only the empty rooms or only the rooms that are reserved. This would keep track of how many empty rooms there is.

Data Input

The user would be able to input the information into the system by typing it in. The file would be saving on to a text file that would be easy for the user to print out.

Benefits

This program would allow the user to keep data in an organize way for quick reference. While the current system would be use alongside the new one, this allows fast tracking of each room.

Goals

- Login System which allows the user to control who is allow to view the information
- Keep track of all rooms
  - By room status – All rooms, empty rooms, occupied rooms, and reserved rooms
- Display information on lessee
  - View Name, Gender, Date of Birth, Age, Address, Contact, Occupation, Date of contract, Months of contract, Security deposit, etc

- Change the status of room
  - Allow user to make reservations
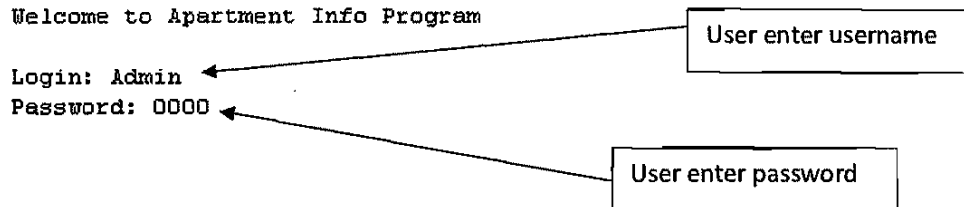 - Allow user to make occupations

A2 ?

Improvements

- Change to GUI
- Change Password and Username
- Allow printing
- Change to include Billing system
  - Price on water per credit
  - Price on electricity per credit
  - Telephone system

2
goals

Prototype Screen

Starting of the Program – Start of the program with welcome page and ask for login

```
Welcome to Apartment Info Program

Login: Admin
Password: 0000
```

User enter username

User enter password

Option Menu – Show options to do

```
Login in Pass

1) Display All Room
2) Display by Status
What would you like to do?:
```

Shows options

User enter their choice
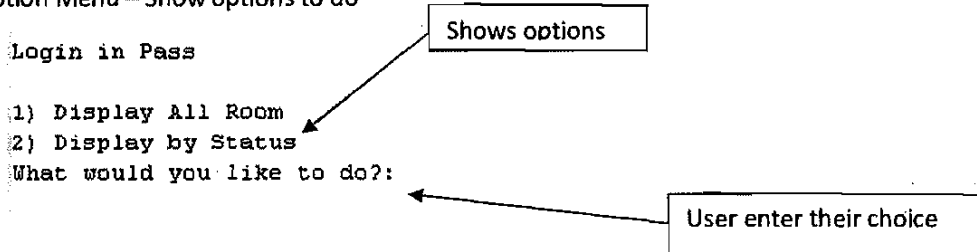
Display All Rooms - Shows all rooms with the status of Occupied, Empty or Reserved

```
1) Display All Room
2) Display by Status
What would you like to do?: 1
```

User's choice

```
All Rooms
=========
Room Number                    Status
1001                           Occupied
1002                           Empty
1003                           Empty
1004                           Reserved
1005                           Occupied
```

Display by user's choice
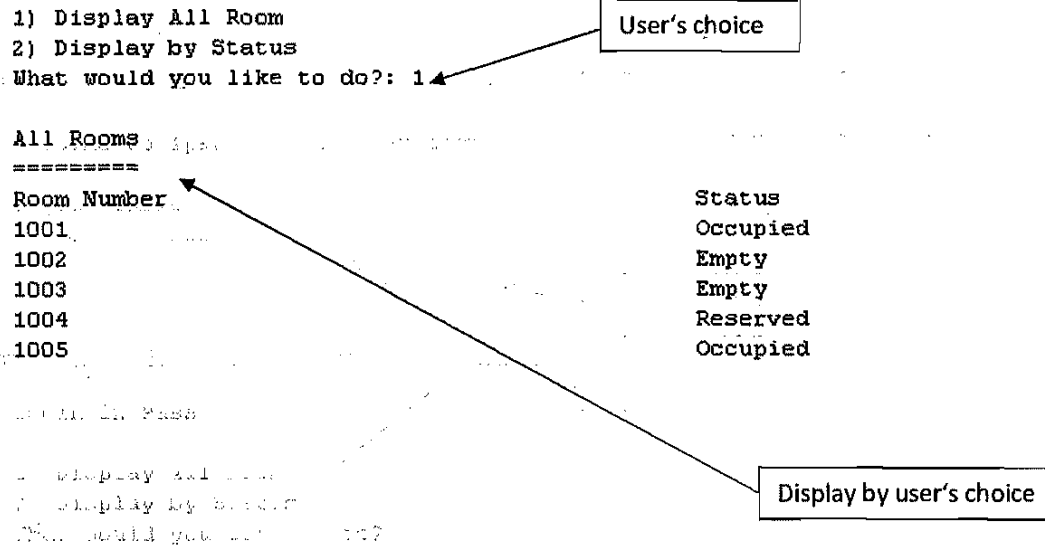
Display Reserved Rooms – Show only reserved rooms for easy view

```
1) Display All Room
2) Display by Status
What would you like to do?: 2
```

User's choice to display by status

```
1) Display Reserved Rooms
2) Display Empty Rooms
What would you like to do?: 1
```

User enter choice

```
Reserverd Rooms
================

Room Number                          Status
1004                                 Reserved
```

Display by user's choice
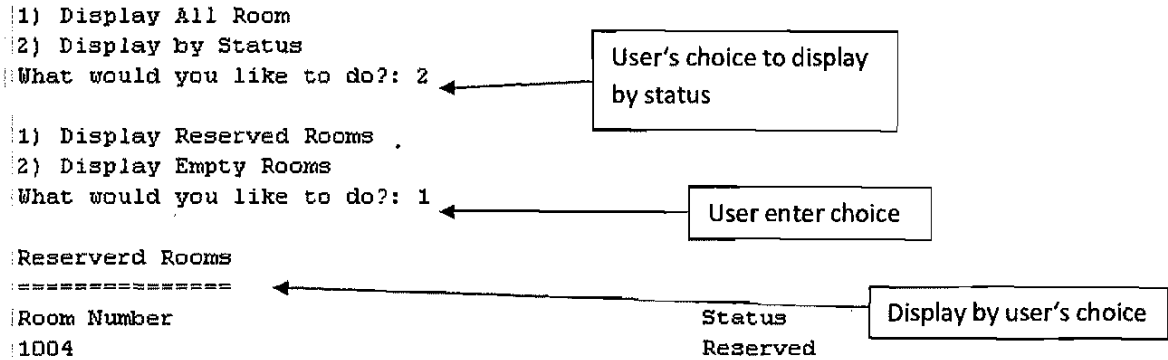
Display Empty Rooms – Shows empty room to change status

```
1) Display All Room
2) Display by Status
What would you like to do?: 2

1) Display Reserved Rooms
2) Display Empty Rooms
What would you like to do?: 2

Empty Rooms
===========
Room Number                          Status
1002                                 Empty
1003                                 Empty
```

Display by user's choice
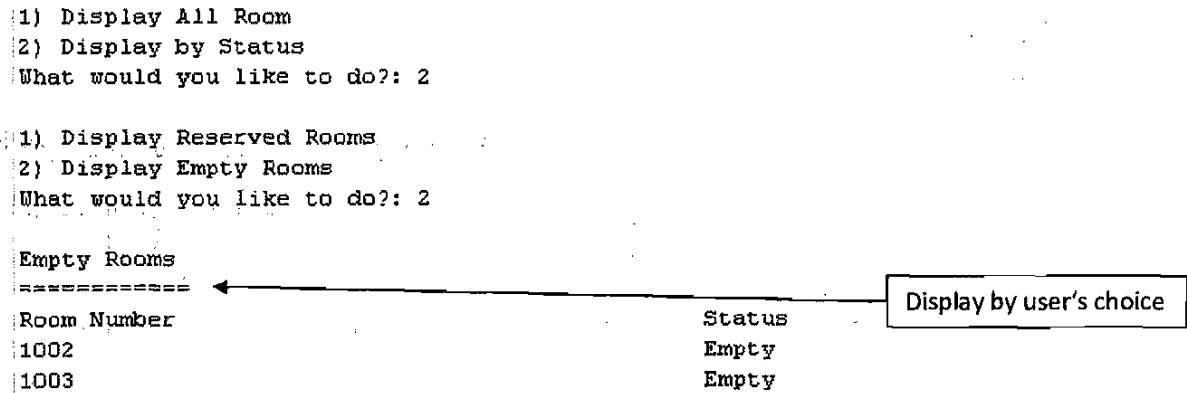
Reserve Empty Room - Reserve an empty Room and information required

```
Empty Rooms
============
            ber                              Status
                                            Empty
  1003                                       Empty

1) Reserved Rooms
2) Occupied Rooms
What would you like to do?: 2

Enter Room Number: 1003
Enter Name: Moko Tanadumrongsak
Enter Contact Number: 02-567-1681
Enter Date Reserved: September 14, 2008
```

Ask for information for room reservation

Shows options of empty rooms

User enter choice

User enters in the needed information
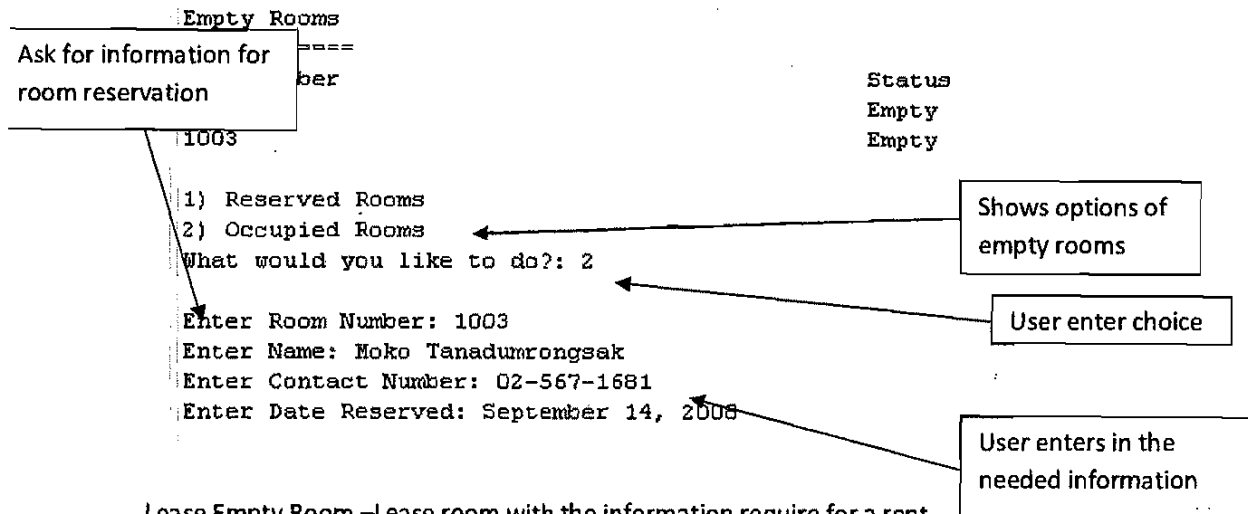
Lease Empty Room —Lease room with the information require for a rent

```
Empty Rooms
=============
Room Number                                 Status
1002                                        Empty
1003                                        Empty

1) Reserved Rooms
2) Occupied Rooms
What would you like to do?: 2

Enter Room Number: 1003
Enter Name: Porndanai Amporndanai
Enter Gender: Male
Enter Contact Number: 081-922-7592
Enter Birthday: December 17, 1990
Enter Occupation: High School Student
Enter Adress: 306/308 Ladprao soi 87 Wangthonglang,Bangkok,Thailand 10310
Enter Date of Contract Start: January 22, 2008
Enter Date of Contract End: March 21, 2008
Enter Security Deposit: 3000 Baht
```

Ask for information for room occupation

User enters in the needed information