

Developmental Proposal

Of

HOSTEL BOOKING SYSTEM

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EDHUB INCORPORATED

SINGAPORE

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SYSTEM SPECIFICATIONS

BREAKDOWN OF HOSTEL BOOKING SYSTEM

EXISTING SERVER SPECIFICATIONS:

- Operating system provided by ITE : Windows 2003 Standard Edition
- Web Server software provided by ITE : Windows IIS 6.0
- Web Server hardware provided by ITE : IBM Xseries X346 1GB RAM, 20GB Hard Disk
- Vendor to separately supply, deliver, install a database for this application.

DATA ENTRY:

Only authorized staff from Student Services Dept will be allowed to create records in the system. All other staff will be granted viewing rights only.

Breakdown:

There will be segmented permission level in which there will be 2 basic users permission:

1. Administrator
2. Views

Permission Level for Administrator:

Administrator will be able to:

- ⇒ Set up Accounts for Users.
- ⇒ Allocate Rooms to users
- ⇒ Input/Edit/Delete User's Details
- ⇒ View/Search/Print Reports
- ⇒ Export Reports

Permission Level for Administrator:

Administrator will be able to:

- ⇒ View/Search/Print Reports

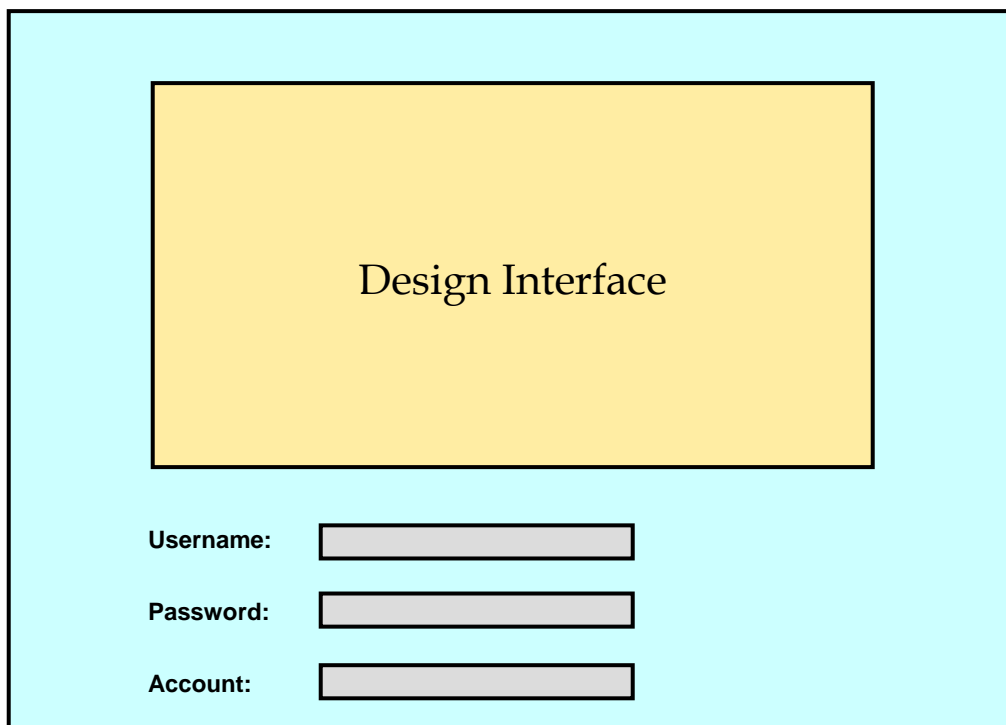
STRUCTURE OF HOSTEL BOOKING SYSTEM

The Structure of the Hostel Booking System is divided into:

1. Login Interface
2. Administrator Interface

Please note that for the actual system, there will be design developments for aesthetic developments.

LOGIN INTERFACE:



The diagram illustrates the login interface. It features a light blue background. In the center, there is a yellow rectangular box labeled "Design Interface". Below this box, there are three input fields, each preceded by a label: "Username:", "Password:", and "Account:". Each label and its corresponding input field are aligned to the left.

Figure 1: Login Interface

Username:

We will assign the Staff's NRIC as their username so as to adhere to most of the MOE system

Password

We will assign the Staff's NRIC as their password so as to adhere to most of the MOE system

Account:

Users when login have to select their account which they will be assigned segmented permission.

ADMINISTRATOR INTERFACE:

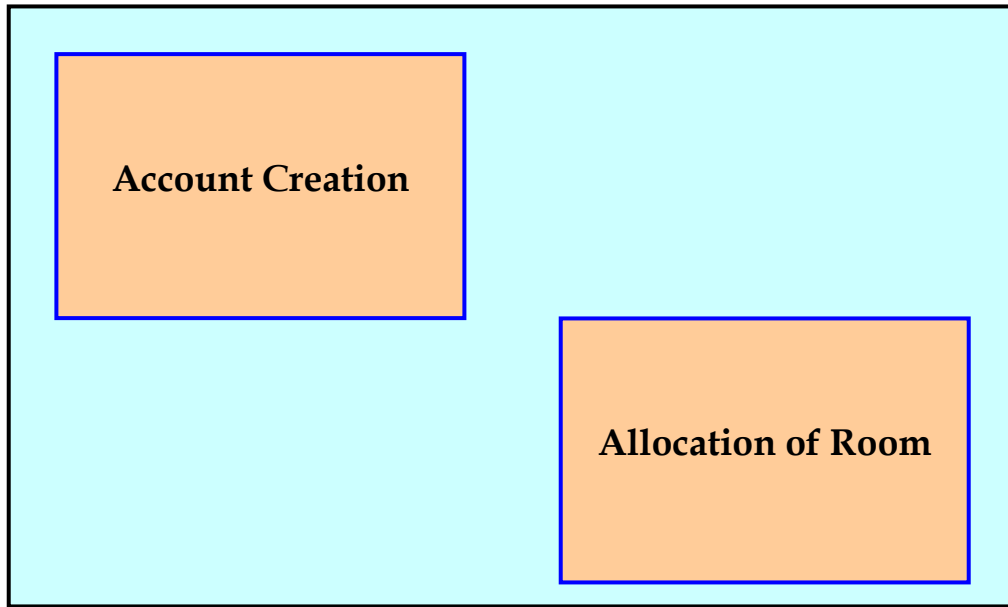


Figure 2: Administrator Interface

ACCOUNT CREATION:

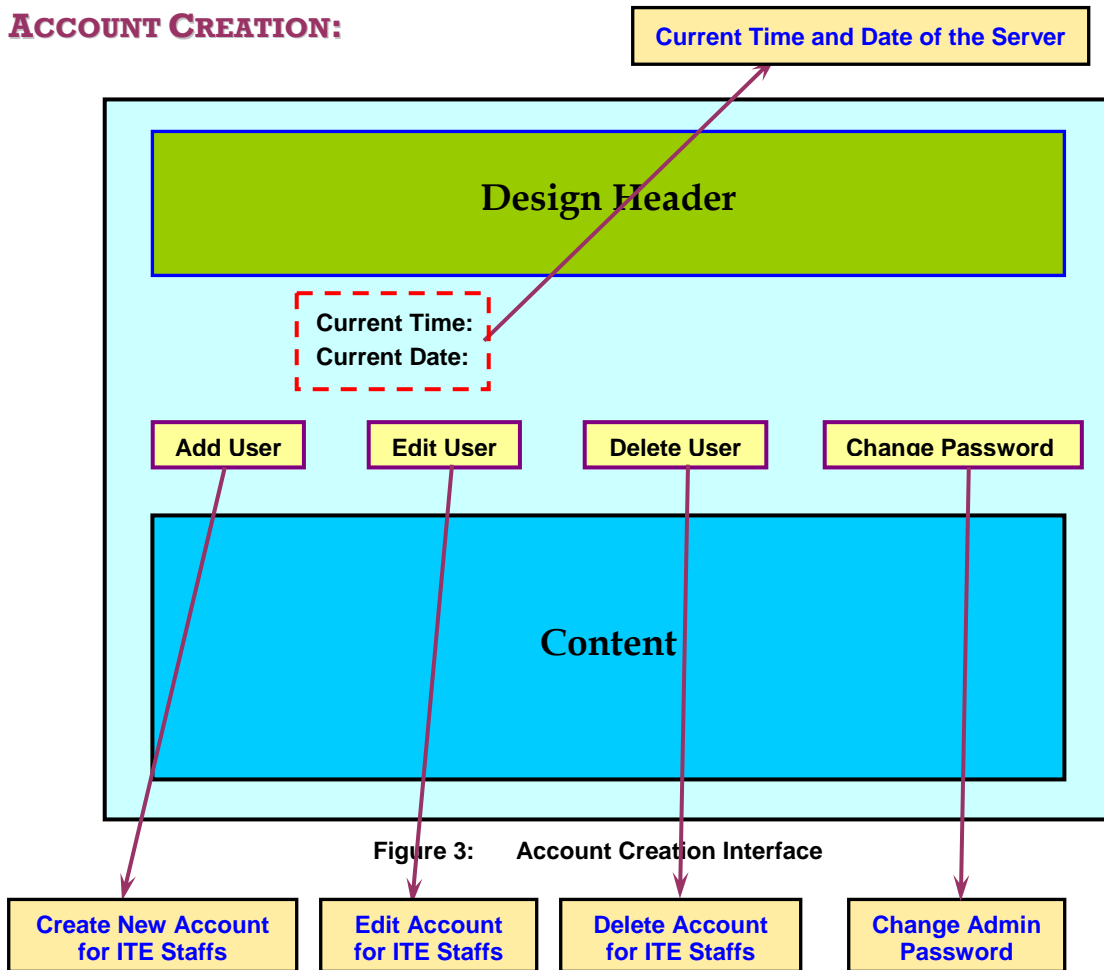


Figure 3: Account Creation Interface

ALLOCATION OF ROOMS:

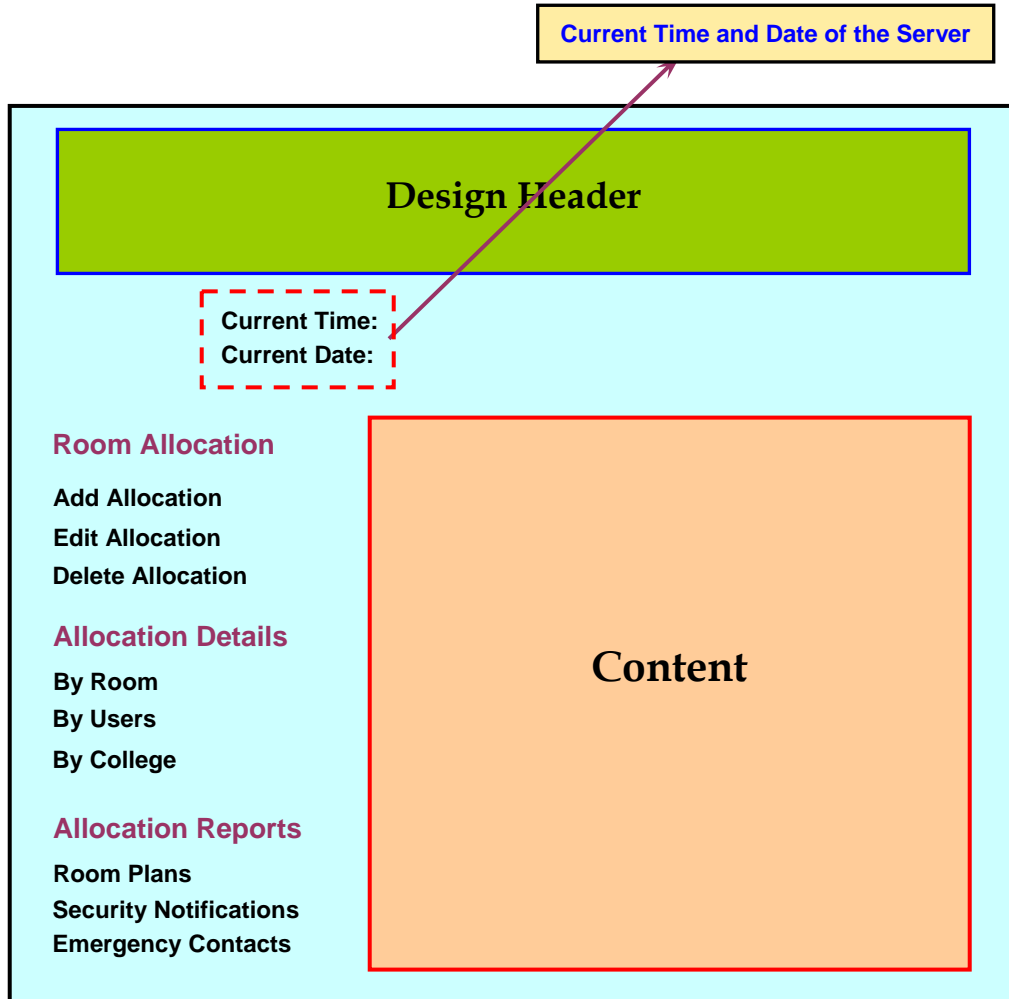


Figure 4: Room Allocation Interface

ROOM ALLOCATIONS

ROOM ALLOCATION	
Add Allocation	Allow admin to add in new room allocations for students.
Edit Allocation	Allow admin to edit existing room allocations for students.
Delete Allocation	Allow admin to delete room allocations for students.

Only the assigned administrators will be able to access this option. The administrators will input all the allocated data fields on the customized template which will be saved onto the system database accordingly.

Data Field Specifications:

- Country
- College/Organization
- Purpose of Visit (eg BoxHill's Study Visit, Student Exchange)
- ITE Coordinator (Name, Designation, Contact Number)
- Host (College and Dept, eg College East, Nursing Dept)
- Period of Stay
- No of Visitors (No of Staff and Student).
Allow keying in of the following details of each visitor :
 - ⇒ Name
 - ⇒ Gender
 - ⇒ Passport No
 - ⇒ Classification (Staff or Student)
 - ⇒ Room/Bed No (Format : L2-R1-1. 12 rooms, 44 beds)
 - ⇒ Access card No
 - ⇒ Course
 - ⇒ Medical problem/medication (dropdown list, default 'Nil')
 - ⇒ Emergency Contact (Name and contact No)
- Remarks/Attachment (eg visit programme)

ALLOCATION DETAILS

ALLOCATION DETAILS	
By Room	Allow the viewing of the details by month, room and bed
By Users	Allow the viewing of the details by country and program
By College	Allow the viewing of the details by college and department

All registered users of the Hostel Booking System (Staffs of ITE) will be able to access and view this option.

BY ROOM:

Viewing by Room allows users to view the individual room status in accordance to the desired timings. Once selected, users will have to select the viewing period (Starting and Ending Date) as shown. Upon which the following will be displayed onto the Content Section as shown.

STARTING DATE: dd/mm/yy

ENDING DATE: dd/mm/yy

	Mon, 8 th Jul 07	Tues, 9 th Jul 07	Wed, 10 th Jul 07	Thurs, 11 th Jul 07
L2 Room 1	■	■		
L2 Room 2				
L2 Room 3		■		
L2 Room 4		■		
L2 Room 5		■	■	■
L2 Room 6			■	■
L3 Room 1			■	■
L3 Room 2			■	■
L3 Room 3			■	■
L3 Room 4				
L3 Room 5				
L3 Room 6				■

Figure 5: View Room Details

(Colour code to indicate gender, eg pink for female, blue for male and grey for tentative booking)

Note:

Upon mouse over each entry, details of each visitor, such as name, country, college/ organization, etc will be shown on a small pop-up window

BY USERS:

Viewing by users allows the individual user to view the respective details of the occupants of the rooms. Upon which, a drop-down list will be displayed in which users are able to select the details to view.

Details:

Country	▼
---------	---

1. Country
2. Programme

VIEWING BY COUNTY:

S/N	Name	Country	Room	Check-in Date	Check-out Date
1	Dawn Duncan-Smith	Country A	L2 - R1 - 1	dd/mm/yyyy	dd/mm/yyyy
2	Hubert Jelinek	Country A	L2 - R2 - 1	dd/mm/yyyy	dd/mm/yyyy
3	Samantha Scriven	Country B	L2 - R3 - 1	dd/mm/yyyy	dd/mm/yyyy
4	Jessica Collings	Country C	L2 - R3 - 2	dd/mm/yyyy	dd/mm/yyyy
5	Sarah Archibald	Country D	L2 - R3 - 3	dd/mm/yyyy	dd/mm/yyyy

Figure 6: View Students by Country

S/N	Name	Country	Room	Check-in Date	Check-out Date
1	Dawn Duncan-Smith	Country A	L2 - R1 - 1	dd/mm/yyyy	dd/mm/yyyy
2	Hubert Jelinek	Country A	L2 - R2 - 1	dd/mm/yyyy	dd/mm/yyyy
3	Samantha Scriven	Country B	L2 - R3 - 1	dd/mm/yyyy	dd/mm/yyyy
4	Jessica Collings	Country C	L2 - R3 - 2	dd/mm/yyyy	dd/mm/yyyy
5	Sarah Archibald	Country D	L2 - R3 - 3	dd/mm/yyyy	dd/mm/yyyy

Figure 7: View Staffs by Program

VIEWING BY COUNTY:

S/N	Name	Program	Room	Check-in Date	Check-out Date
1	Dawn Duncan-Smith	Program A	L2 - R1 - 1	dd/mm/yyyy	dd/mm/yyyy
2	Hubert Jelinek	Program A	L2 - R2 - 1	dd/mm/yyyy	dd/mm/yyyy
3	Samantha Scriven	Program B	L2 - R3 - 1	dd/mm/yyyy	dd/mm/yyyy
4	Jessica Collings	Program C	L2 - R3 - 2	dd/mm/yyyy	dd/mm/yyyy
5	Sarah Archibald	Program D	L2 - R3 - 3	dd/mm/yyyy	dd/mm/yyyy

Figure 8: View Students by Program

S/N	Name	Program	Room	Check-in Date	Check-out Date
1	Dawn Duncan-Smith	Program A	L2 - R1 - 1	dd/mm/yyyy	dd/mm/yyyy
2	Hubert Jelinek	Program A	L2 - R2 - 1	dd/mm/yyyy	dd/mm/yyyy
3	Samantha Scriven	Program B	L2 - R3 - 1	dd/mm/yyyy	dd/mm/yyyy
4	Jessica Collings	Program C	L2 - R3 - 2	dd/mm/yyyy	dd/mm/yyyy
5	Sarah Archibald	Program D	L2 - R3 - 3	dd/mm/yyyy	dd/mm/yyyy

Figure 9: View Staffs by Programs

NOTE:

1. The Check-in Date and Check-out Date are embedded with codes to allow the ascending or descending sorting of the records when click.
2. The system will only display records of occupants that have not checked out.
3. Records of occupants that have checked out will be found on the report section.

BY COLLEGE:

Viewing by College allows the users to view the individual occupants in accordance to their respective college or department. Upon which, a drop-down list will be displayed in which users are able to select the details to view.

Details:

College	▼
---------	---

1. College
2. Department

VIEWING BY COUNTY:

S/N	Name	College	Room	Check-in Date	Check-out Date
1	Dawn Duncan-Smith	College A	L2 - R1 - 1	dd/mm/yyyy	dd/mm/yyyy
2	Hubert Jelinek	College A	L2 - R2 - 1	dd/mm/yyyy	dd/mm/yyyy
3	Samantha Scriven	College B	L2 - R3 - 1	dd/mm/yyyy	dd/mm/yyyy
4	Jessica Collings	College C	L2 - R3 - 2	dd/mm/yyyy	dd/mm/yyyy
5	Sarah Archibald	College D	L2 - R3 - 3	dd/mm/yyyy	dd/mm/yyyy

Figure 10: View Students by College

S/N	Name	College	Room	Check-in Date	Check-out Date
1	Dawn Duncan-Smith	College A	L2 - R1 - 1	dd/mm/yyyy	dd/mm/yyyy
2	Hubert Jelinek	College A	L2 - R2 - 1	dd/mm/yyyy	dd/mm/yyyy
3	Samantha Scriven	College B	L2 - R3 - 1	dd/mm/yyyy	dd/mm/yyyy
4	Jessica Collings	College C	L2 - R3 - 2	dd/mm/yyyy	dd/mm/yyyy
5	Sarah Archibald	College D	L2 - R3 - 3	dd/mm/yyyy	dd/mm/yyyy

Figure 11: View Staffs by College

VIEWING BY COUNTY:

S/N	Name	Department	Room	Check-in Date	Check-out Date
1	Dawn Duncan-Smith	Department A	L2 - R1 - 1	dd/mm/yyyy	dd/mm/yyyy
2	Hubert Jelinek	Department A	L2 - R2 - 1	dd/mm/yyyy	dd/mm/yyyy
3	Samantha Scriven	Department B	L2 - R3 - 1	dd/mm/yyyy	dd/mm/yyyy
4	Jessica Collings	Department C	L2 - R3 - 2	dd/mm/yyyy	dd/mm/yyyy
5	Sarah Archibald	Department D	L2 - R3 - 3	dd/mm/yyyy	dd/mm/yyyy

Figure 12: View Students by Department

S/N	Name	Department	Room	Check-in Date	Check-out Date
1	Dawn Duncan-Smith	Department A	L2 - R1 - 1	dd/mm/yyyy	dd/mm/yyyy
2	Hubert Jelinek	Department A	L2 - R2 - 1	dd/mm/yyyy	dd/mm/yyyy
3	Samantha Scriven	Department B	L2 - R3 - 1	dd/mm/yyyy	dd/mm/yyyy
4	Jessica Collings	Department C	L2 - R3 - 2	dd/mm/yyyy	dd/mm/yyyy
5	Sarah Archibald	Department D	L2 - R3 - 3	dd/mm/yyyy	dd/mm/yyyy

Figure 13: View Staffs by Department

NOTE:

1. The Check-in Date and Check-out Date are embedded with codes to allow the ascending or descending sorting of the records when click.
2. The system will only display records of occupants that have not checked out.
3. Records of occupants that have checked out will be found on the report section.

ALLOCATION REPORTS

ROOM ALLOCATION	
Room Plan	Allow the display of room members' details.
Security Notifications	Allow the display of security details of users
Emergency Contacts	Allow the display of the detail of the Hall Masters

All registered users of the Hostel Booking System (Staffs of ITE) will be able to access and view this option.

ROOM PLAN:

Room Plan allows users to view and print the room outlay in accordance to the selected reporting period. When this option is selected, users must first select a reporting period.

STARTING DATE: dd/mm/yy

ENDING DATE: dd/mm/yy

Upon which, the system will display the respective room details that corresponds to the desired reporting period.

Reporting Period: [Starting Date to Ending Date](#)

ROOM PLAN: LEVEL 2

Table 1: Room Plan Display Table for Level 2

Room 6	Room 5	Room 4	Room 3	Room 2	Room1
Laura Elton	Gina Clark	Jennifer	Dawn Duncan	Hubert Jelinek	Hall Master Paul Singh
Sonia Macko	Melanie Watson	Michelle			
Jessica Collings	Liana Bove	Le Moloney			
Sarah Archibald		Samantha			

ROOM PLAN: LEVEL 3

Table 2: Room Plan Display Table for Level 3

Room 6	Room 5	Room 4	Room 3	Room 2	Room1
Laura Elton	Gina Clark	Jennifer	Dawn Duncan	Hubert Jelinek	Hall Master Paul Singh
Sonia Macko	Melanie Watson	Michelle			
Jessica Collings	Liana Bove	Le Moloney			

SECURITY NOTIFICATION:

When this option is selected, users must first select a reporting period.

STARTING DATE: dd/mm/yy

ENDING DATE: dd/mm/yy

After which, users must select the type of Programs. The programs are all obtained via Manual Entry by Admin for occupants when allocating the rooms.

Programs:

Program A	▼
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Programs – Starting Date to Ending Date

Table 3: Security Notification Display Table

Name	Course	Room/Access Card
Dawn Duncan-Smith	Staff – Teacher, Media, Design & Arts	L2-R1-1 : 1052
Hubert Jelinek	Staff – Teacher, Health & Community Services	L2-R2-1 : 1053
Samantha-Jayne Scriven	Advanced Diploma of Business (Public Relations)	L2-R3-1 : 1057
Jessica Collings	Certificate IV in Multimedia (Animation)	L2-R3-2 : 1058
Sarah Archibald	Certificate IV in Multimedia (Animation)	L2-R3-3 : 1059

EMERGENCY CONTACT:

When this option is selected, the system will display the details and contacts of the appointed Hall Master by the Admin.

Table 4: Emergency Contact Display Table

Name	Gender	Passport	Medical Problem	Emergency Contact		Room/Bed
				Name	Contact	