

Gym Booking System

User Manual

Content

I. Introduction	1
II. Starting Gym Booking System	1
III. Login the Gym Booking System	2
IV. Foregrounding Service	6
■ Member Management	6
■ Booking Management	7
V. Back-stage Management	11
■ Records Management	11
■ Staff Management	13
■ Room Management	15
■ Appointment Management	17
■ Diary Management	18

I. Introduction

Gym booking system is an interactive application in which the user can perform member management, booking management, records management and resources management (including staff and room) and so on.

II. Starting Gym Booking System

Gym Booking System is a Java application, so it requires that you have a Java runtime environment (JRE) installed on your computer. Gym Booking System should run with JRE 1.6 or later.

After getting the package in your computer, you can start up the program using a command line or terminal window, as follow steps:

- Open a command or terminal window and navigate to the "Gym Booking System" folder.
- Type in the following command (all on one line):
 > *javac UI_control.java*
 Then,
 > *java UI_control*

```
F:\>cd group1_code
F:\group1_code>cd Gym Booking System
F:\group1_code\Gym Booking System>javac UI_control.java
F:\group1_code\Gym Booking System>java UI_control
F:\group1_code\Gym Booking System>_
```

Figure 2.1 Starting the Gym Booking System

III. Login the Gym Booking System

After typing in the above command, you will see the login interface as the following Figure 3.1.

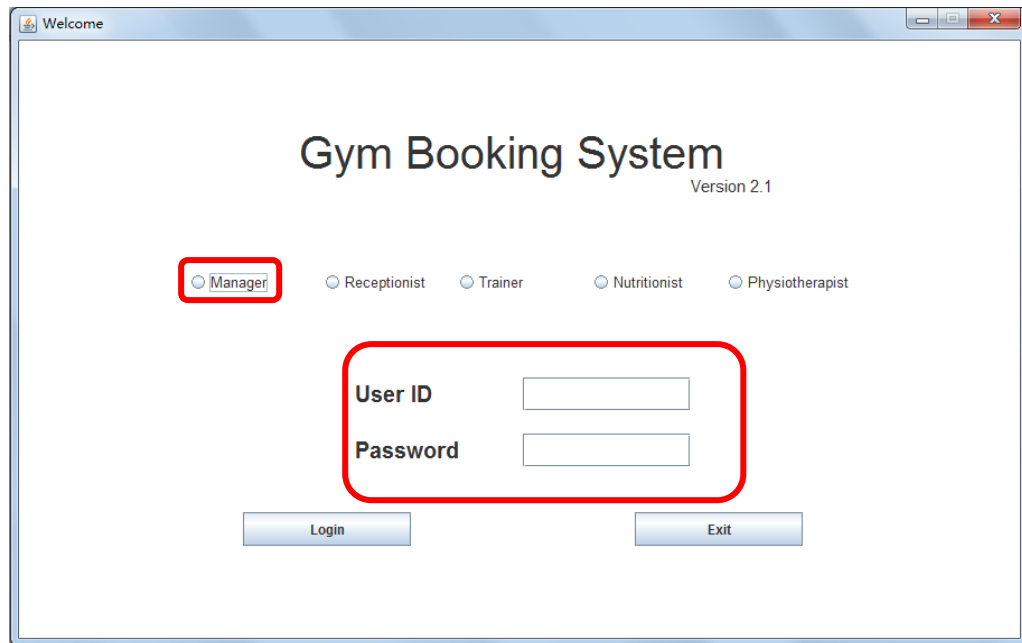
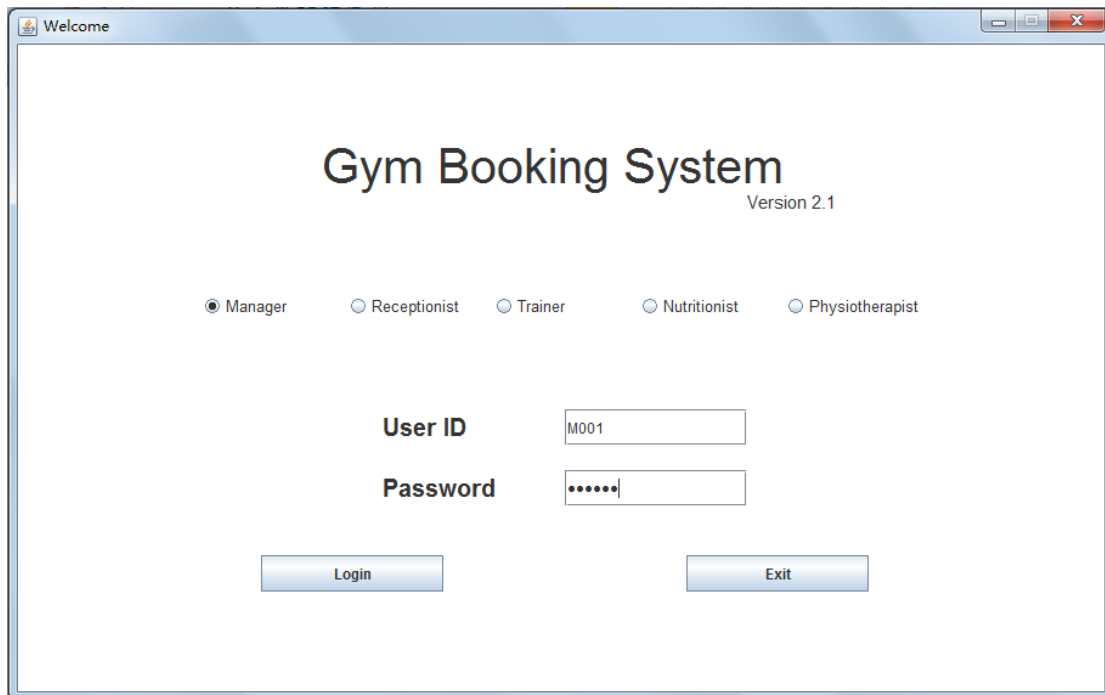


Figure 3.1 Login Interface

The user can login after typing in the right User ID and password as well as choosing the corresponding identity. See the figure 3.2. Here we login as the manager identity, **the User ID is M001 and Password is 123456**.

When the user enters the User ID which does not exist, or the ID does not match the Password, or the User ID does not match the chosen identity, it will pop up the corresponding warning window. After clicking “OK” button which closes the warning window, the user can try again.

After choosing different identities and successfully logging in, the user will enter different interfaces. The users of different identities will see different interfaces which differ in the tabs and state bars. See the following figures.



Welcome

Gym Booking System

Version 2.1

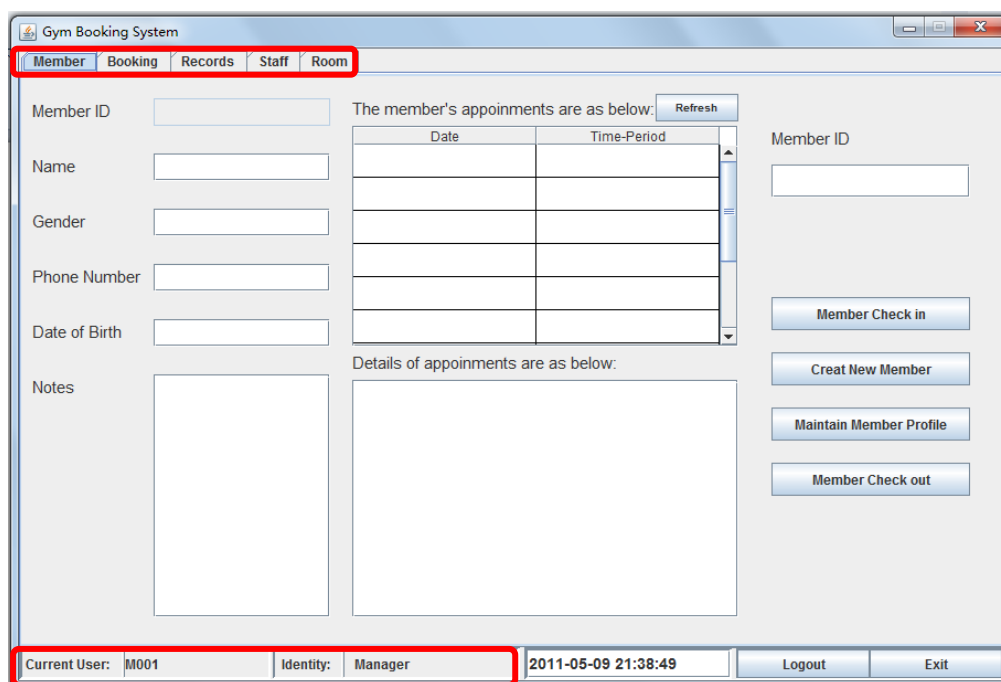
☒ Manager ☐ Receptionist ☐ Trainer ☐ Nutritionist ☐ Physiotherapist

User ID:

Password:

Login Exit

Figure 3.2 Login as Manager Identity



Gym Booking System

Member Booking Records Staff Room

Member ID:

Name:

Gender:

Phone Number:

Date of Birth:

Notes:

The member's appointments are as below: Refresh

Date	Time-Period

Details of appointments are as below:

Member ID:

Member Check in

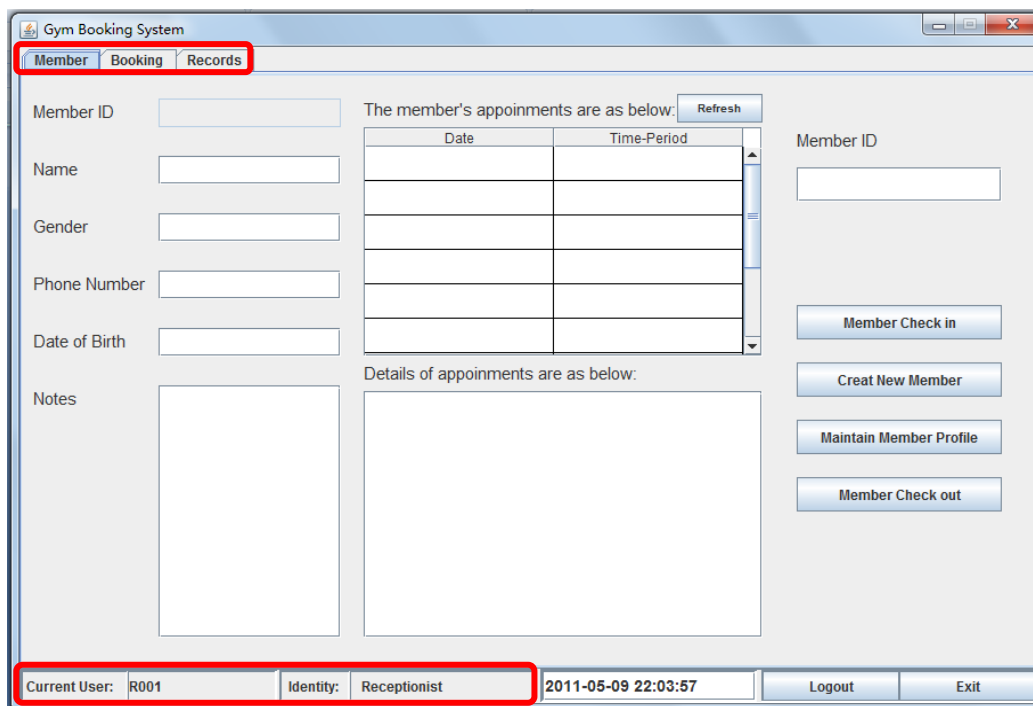
Creat New Member

Maintain Member Profile

Member Check out

Current User: M001 Identity: Manager 2011-05-09 21:38:49 Logout Exit

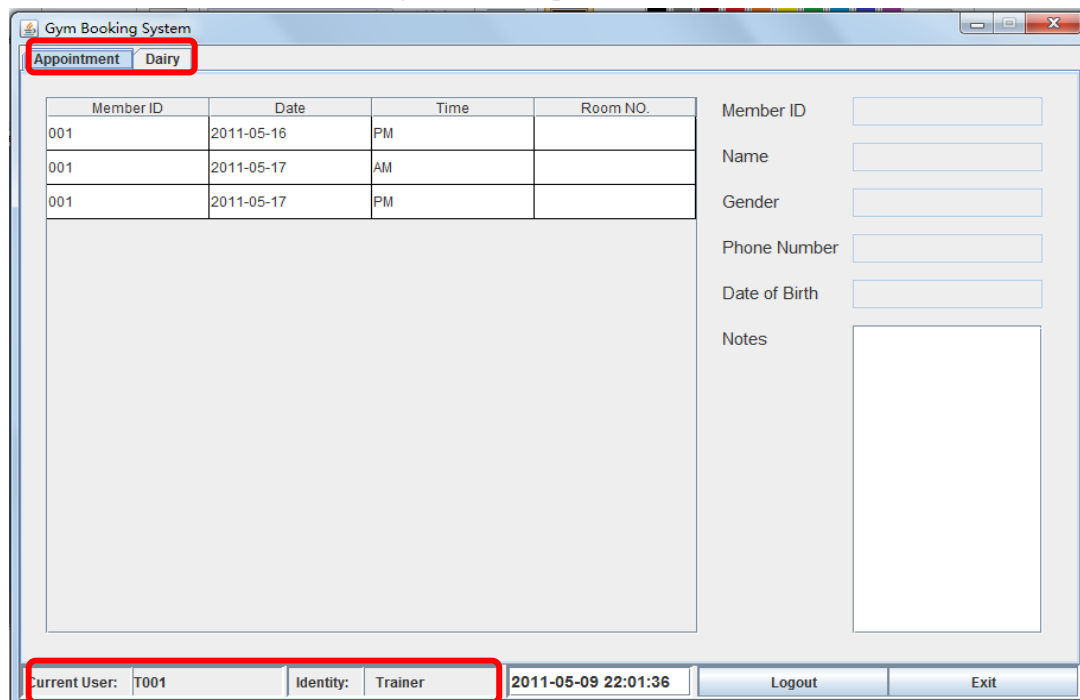
Figure 3.3 Manager Interface



The Manager Interface window, titled "Gym Booking System", features three tabs: "Member", "Booking", and "Records". The "Member" tab is active. On the left, there are input fields for Member ID, Name, Gender, Phone Number, Date of Birth, and a Notes text area. In the center, a table displays "The member's appointments are as below:" with columns for Date and Time-Period. A "Refresh" button is located to the right of the table. Below the table, a section titled "Details of appointments are as below:" contains a large empty text area. On the right side, there is a Member ID input field and four buttons: "Member Check in", "Creat New Member", "Maintain Member Profile", and "Member Check out". The status bar at the bottom shows "Current User: R001", "Identity: Receptionist", the date and time "2011-05-09 22:03:57", and "Logout" and "Exit" buttons.

Date	Time-Period

Figure 3.4 Receptionist Interface



The Receptionist Interface window, titled "Gym Booking System", has two tabs: "Appointment" and "Dairy". The "Appointment" tab is active. It features a table with columns for Member ID, Date, Time, and Room NO. To the right of the table are input fields for Member ID, Name, Gender, Phone Number, Date of Birth, and a Notes text area. The status bar at the bottom displays "Current User: T001", "Identity: Trainer", the date and time "2011-05-09 22:01:36", and "Logout" and "Exit" buttons.

Member ID	Date	Time	Room NO.
001	2011-05-16	PM	
001	2011-05-17	AM	
001	2011-05-17	PM	

Figure 3.5 Trainer Interface

Member ID	Date	Time	Room NO.
001	2011-05-11	AM	
001	2011-05-14	AM	

Member ID:

Name:

Gender:

Phone Number:

Date of Birth:

Notes:

Current User: N001 Identity: Nutritionist 2011-05-09 22:07:50 Logout Exit

Figure 3.6 Nutritionist Interface

Member ID	Date	Time	Room NO.
001	2011-05-10	PM	101

Member ID:

Name:

Gender:

Phone Number:

Date of Birth:

Notes:

Change Room

Current User: P001 Identity: Physiotherapist 2011-05-09 22:18:40 Logout Exit

Figure 3.7 Physiotherapist Interface

On the right side of the state bar, there are two buttons: “Logout” and “Exit”. When click the *Logout* button, the user can relogin with another identity or User ID. When click the *Exit* button, the user can exit the Gym Booking System. In order to prevent the data, the function of the close button on the top right corner is shielded.

IV. Foregrounding Service

The foregrounding services are member-oriented, only the manager and receptionist have the authorities to them, which implies that the Member and Booking tabs are only visible in Receptionist and Manager Interfaces.

■ Member Management (See Figure 4.1)

In this interface, there are five buttons, which respectively provide different services:

- Member Check in

Before clicking this button, the user must enter the valid member ID. If no member ID is entered or the member ID does not exist, there will be a warning window.

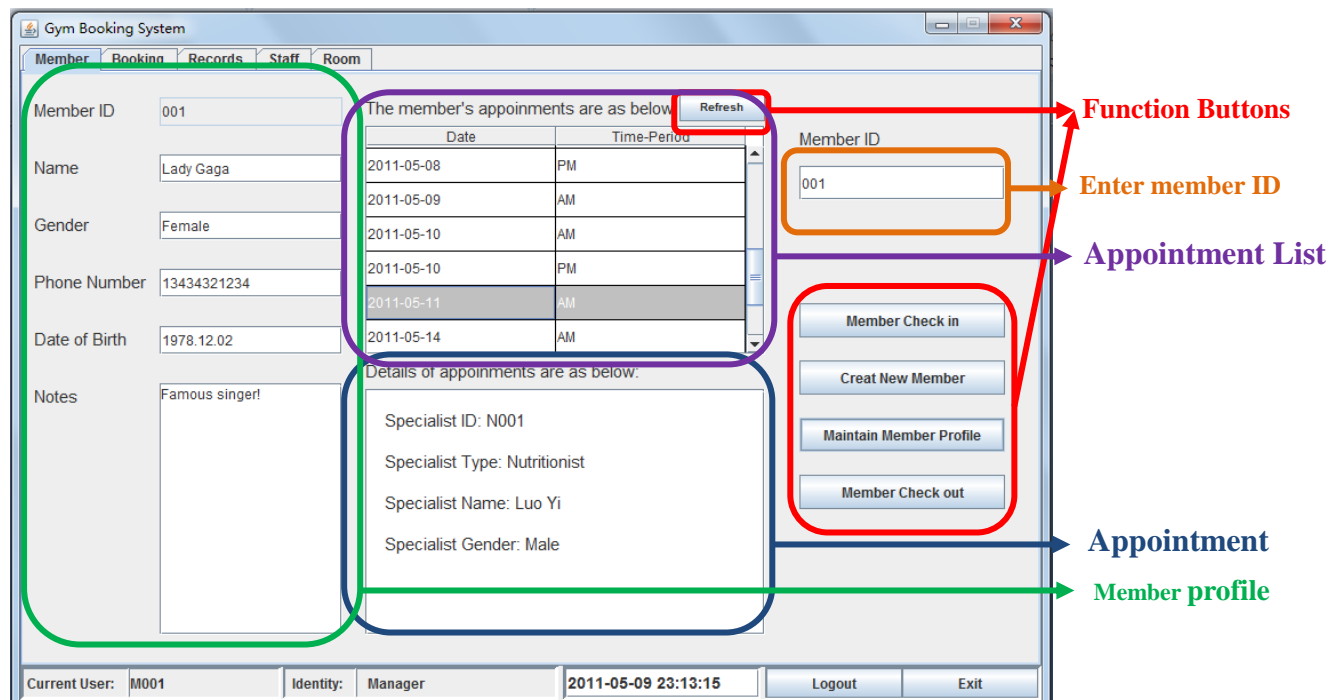


Figure 4.1 Member Management Interface

After checking in successfully, the field on the left side of the interface will show the profile of the current member. And in the middle of the window, all the appointments of the current member will be listed. The selected appointment will be displayed with detailed information in below.

- Create Member

When the user clicks this button, a registration window will be popped up. See the Figure 4.2. The system will generate the member ID automatically according to the existing members.

A screenshot of a 'Member Registration' dialog box. The dialog has a title bar with a close button (X). Inside, it says 'Please input the information of the member.' Below this are five input fields: 'Member ID' (containing '006'), 'Name' (empty), 'Gender' (a dropdown menu showing 'Male'), 'Phone' (empty), and 'Date of Birth' (empty). At the bottom are two buttons: 'Confirm' and 'Cancel'.

Figure 4.2 Member Registration

Notes:

- a. The name can only contain letters and space.
- b. The phone can only contain digits.
- c. The date of birth can only be the format: e.g. 1991.02.06

Once any of the information is not valid, there will be a corresponding warning window and clear the relative text field.

- **Maintain Member Profile**

All the profiles can be maintained except the member ID. When the user wants to maintain some information, he/she can directly enter the new information in the corresponding text field. BUT, the information must follow the rules mentioned in the *Create Member* part.

Once the new valid information is entered, then click the *Maintain Member Profile* button. If the operation succeeds, the user will see a window saying, " *The maintenance succeeds!*".

- **Member Check out**

When clicking this button, all the text fields will be emptied and ready for the check in of other member.

- **Refresh**

This button is used to refresh the appointment list when the current member makes a new appointment, changes or delete an appointment.

■ **Booking Management**

- **Create New Appointment**

A new appointment can only be created when there is a member checked in.

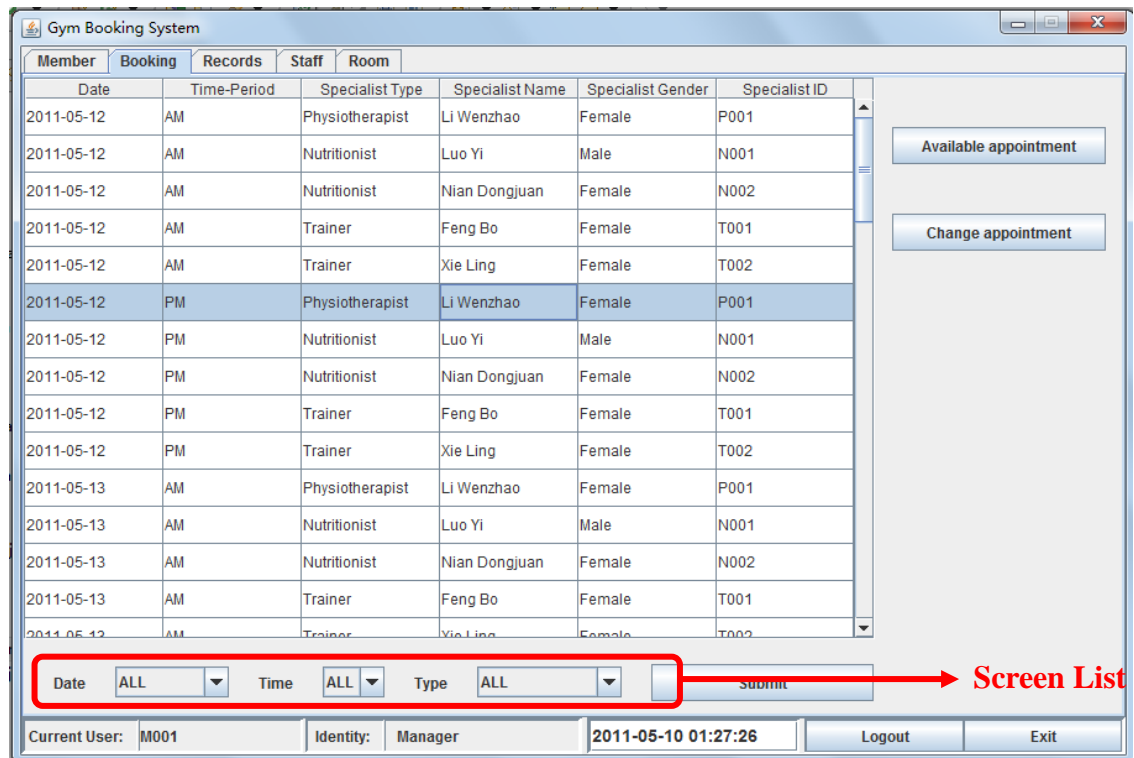


Figure 4.3 Creating a new appointment

When creating a new appointment, click the button "Available appointment" and all the available appointments **in the next 10 days** will be showed on the left side of the interface. See the Figure 4.3.

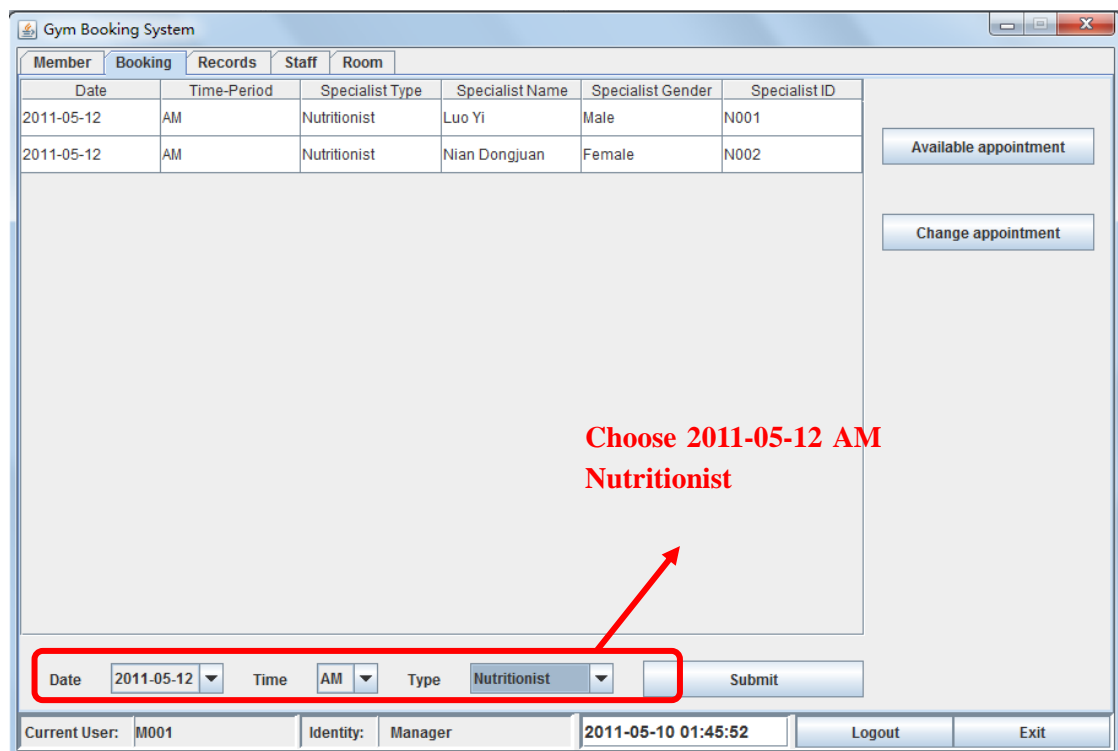


Figure 4.4 The Screen Function

There are three options on the bottom of the appointment list, and the user can select the available appointment of a certain date, time or the type of specialists. See the Figure 4.4.

When the user wants to create an appointment with **Nutritionist or Trainer**, he/she can select the corresponding appointment and click Submit button directly. Once the booking succeeds, there will be a warning about the success and all the appointments of the current date and period will be removed from the available appointments list. See the Figure 4.5.

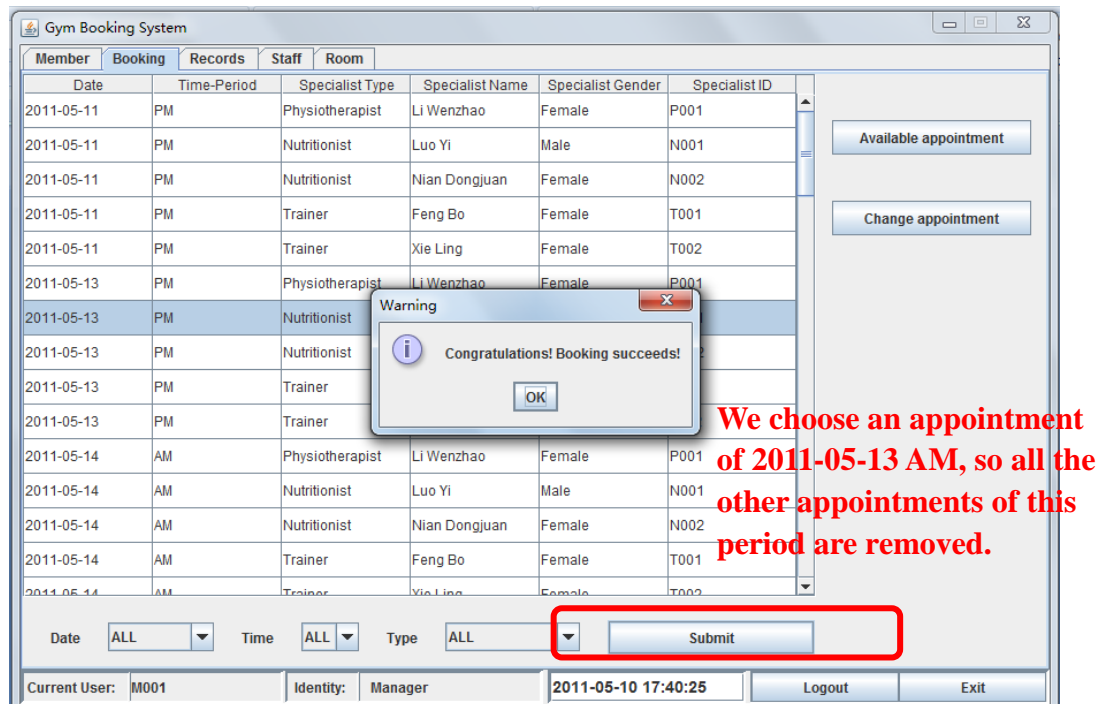


Figure 4.5 Booking Succeeds.

When the user wants to create an appointment with **Physiotherapist**, he/she can select the corresponding appointment and click Submit button. Then the booking room interface will show up. See the Figure 4.6. The user can select the available room, or go back to the former interface. A **Physiotherapist** appointment without booking a room won't succeed.

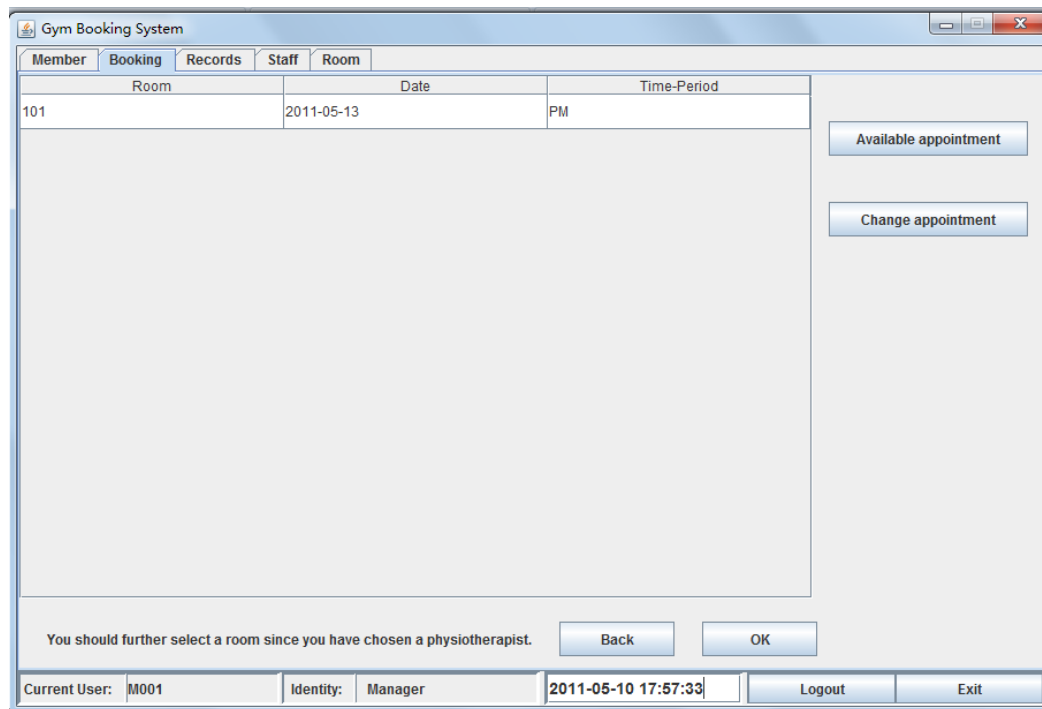


Figure 4.6 Booking room interface.

- Change appointment

When the user clicks this button, the interface will list all the appointments (starts from the next day relative to the system date) of the current member. If the user wants to delete one appointment, he/she can select it, and click the “Delete” button. Once operation succeeds, there will pop up a warning window about it. Then the user can also create a new appointment, which realizes the function of changing an appointment. See the Figure 4.6. The user still can use the screen list to help find the appointment.

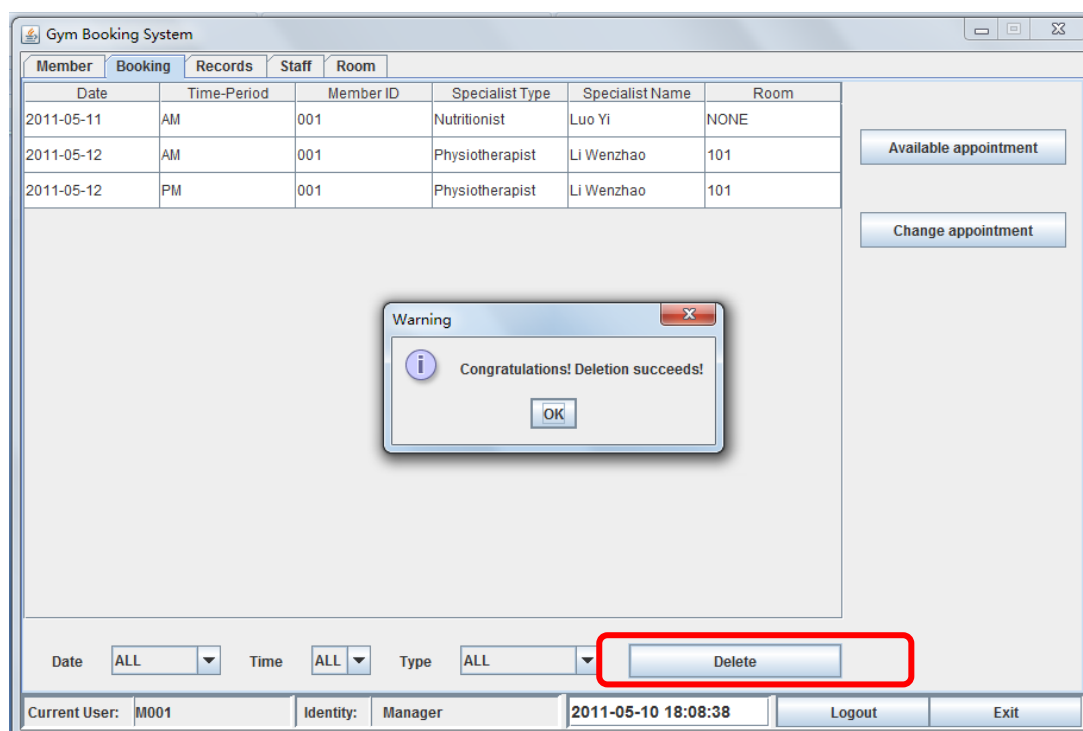


Figure 4.6 Delete an appointment

V. Back-stage Management

The back-stage management can be divided into three types: for manager and receptionist, for manager only and for specialists.

◆ For Manager and Receptionist

■ Records Management

This interface offers three ways to view the records of the booking system. All the appointments are listed according to the specialists, members and rooms. See the Figure 5.1 – 5.3.

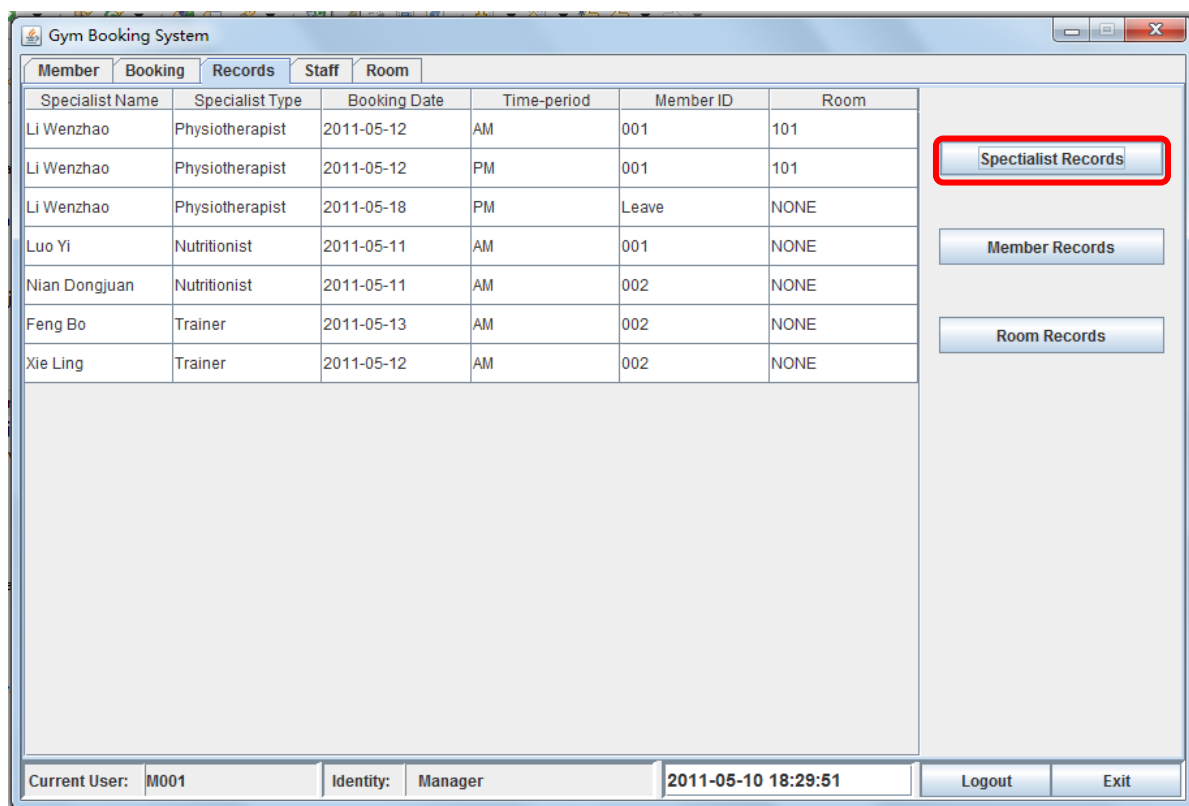


Figure 5.1 Specialists Records

The screenshot shows the 'Gym Booking System' window with the 'Records' tab selected. The 'Member' sub-tab is active, displaying a table of member bookings. The 'Member Records' button on the right is highlighted with a red rectangle.

Member ID	Member Name	Booking Date	Time-period	Specialist Name	Specialist Type	Room
001	Lady Gaga	2011-05-11	AM	Luo Yi	Nutritionist	NONE
001	Lady Gaga	2011-05-12	AM	Li Wenzhao	Physiotherapist	101
001	Lady Gaga	2011-05-12	PM	Li Wenzhao	Physiotherapist	101
002	Nelly Furtado	2011-05-11	AM	Nian Dongjuan	Nutritionist	NONE
002	Nelly Furtado	2011-05-12	AM	Xie Ling	Trainer	NONE
002	Nelly Furtado	2011-05-13	AM	Feng Bo	Trainer	NONE

Buttons on the right: Specialist Records, **Member Records**, Room Records.

Footer: Current User: M001, Identity: Manager, 2011-05-10 18:30:00, Logout, Exit.

Figure 5.2 Members Records

The screenshot shows the 'Gym Booking System' window with the 'Records' tab selected. The 'Room' sub-tab is active, displaying a table of room bookings. The 'Room Records' button on the right is highlighted with a red rectangle.

Room	Booking Date	Time-period	Specialist Name	Member ID
101	2011-05-12	AM	Li Wenzhao	001
101	2011-05-12	PM	Li Wenzhao	001

Buttons on the right: Specialist Records, Member Records, **Room Records**.

Footer: Current User: M001, Identity: Manager, 2011-05-10 18:30:20, Logout, Exit.

Figure 5.3 Rooms Records

◆ For Manager**■ Staff Management**

- Add staff

This interface lists all the gym staff with their profile. See the Figure 5.4. When the user wants to add new staff to the Gym Booking System, he/she will click the “Add staff” button, and then a registration window will pop up. See the Figure 5.5. The user can enter the information asked for.

Notes:

- After choosing the identity, the system will generate the staff ID according to the existing staff, which makes it convenient for the management.
- The name can only contain letters and space.
- The passwords must be the same with each other.

Once any of the information is not valid, there will pop up the corresponding warning window and clear the relative text field.

When the staff is added successfully, the new staff will be added to the staff list after the registration window closes.

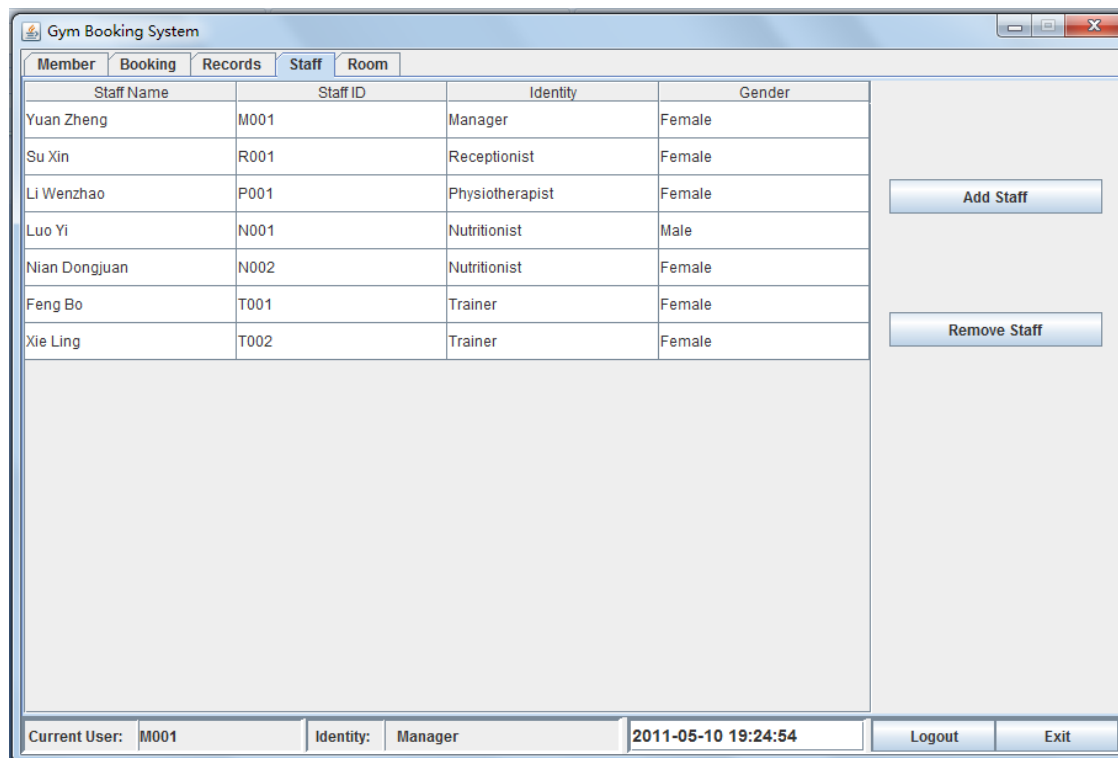


Figure 5.4 Staff Management

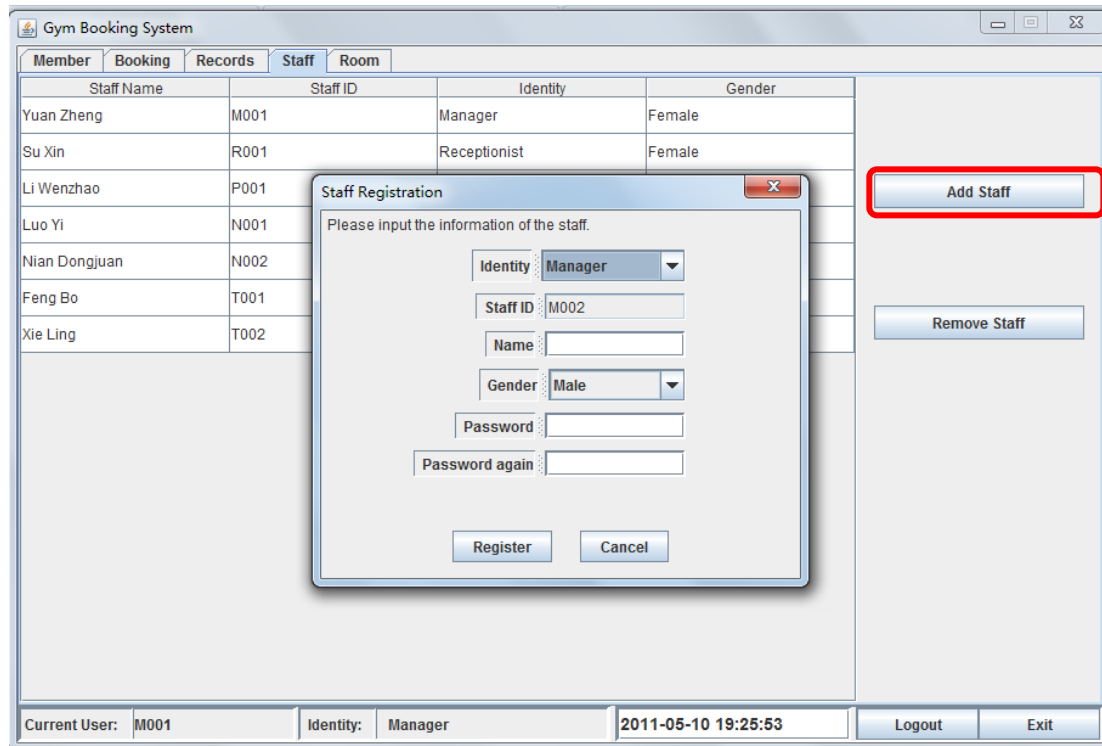
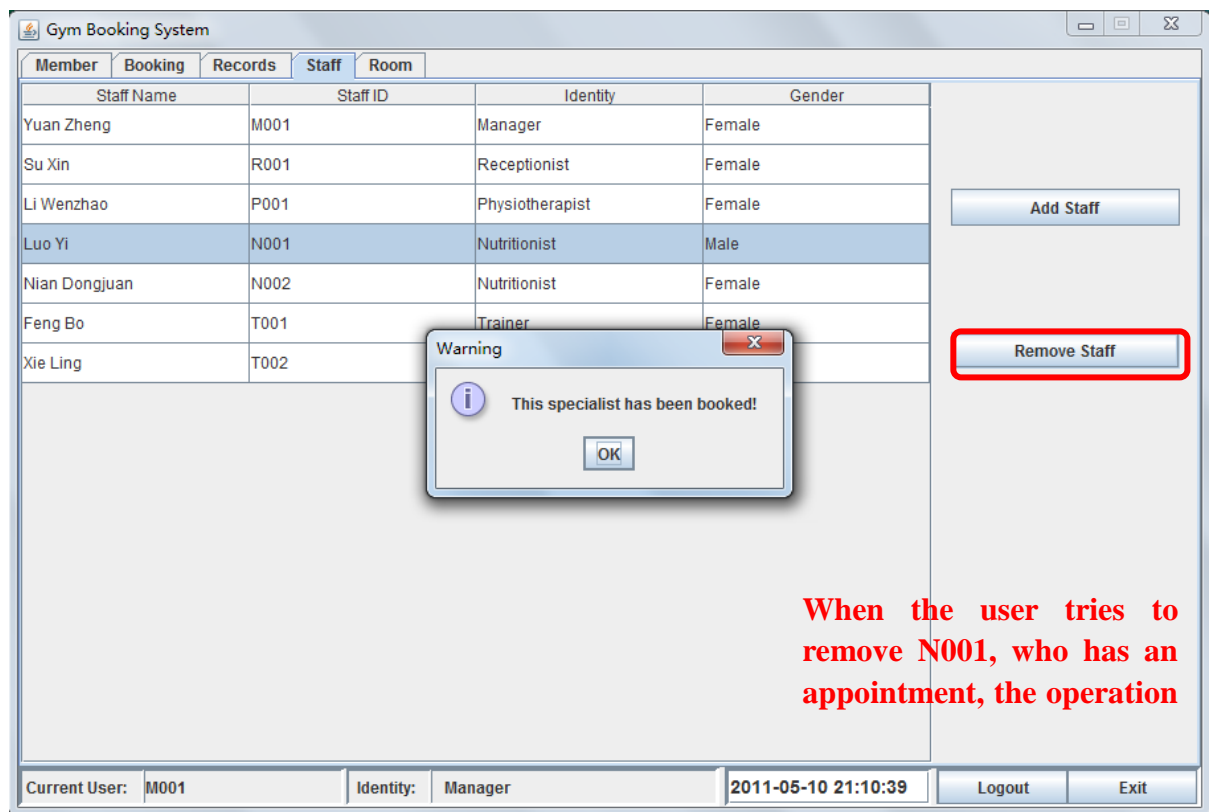


Figure 5.5 Add Staff

- Remove staff

When the user wants to remove one staff, the staff must be selected and then the user can click the “Remove staff” button.

The manager can not be removed. The specialist can not be removed if he/she has an appointment. See the Figure 5.6.



When the user tries to remove N001, who has an appointment, the operation

Figure 5.6 Remove Staff

■ Room Management

- Add room

This interface lists all the rooms with their number. See the Figure 5.7. When the user wants to add new room to the Gym Booking System, he/she will click the “Add room” button, and then a registration window will pop up. See the Figure 5.8. The user can enter the information asked for.

Notes: The room number can only be three digits.

Once any of the information is not valid, there will be a corresponding warning window and clear the relative text field.

When the room is added successfully, the new room will be added to the room list after the registration window is closed.

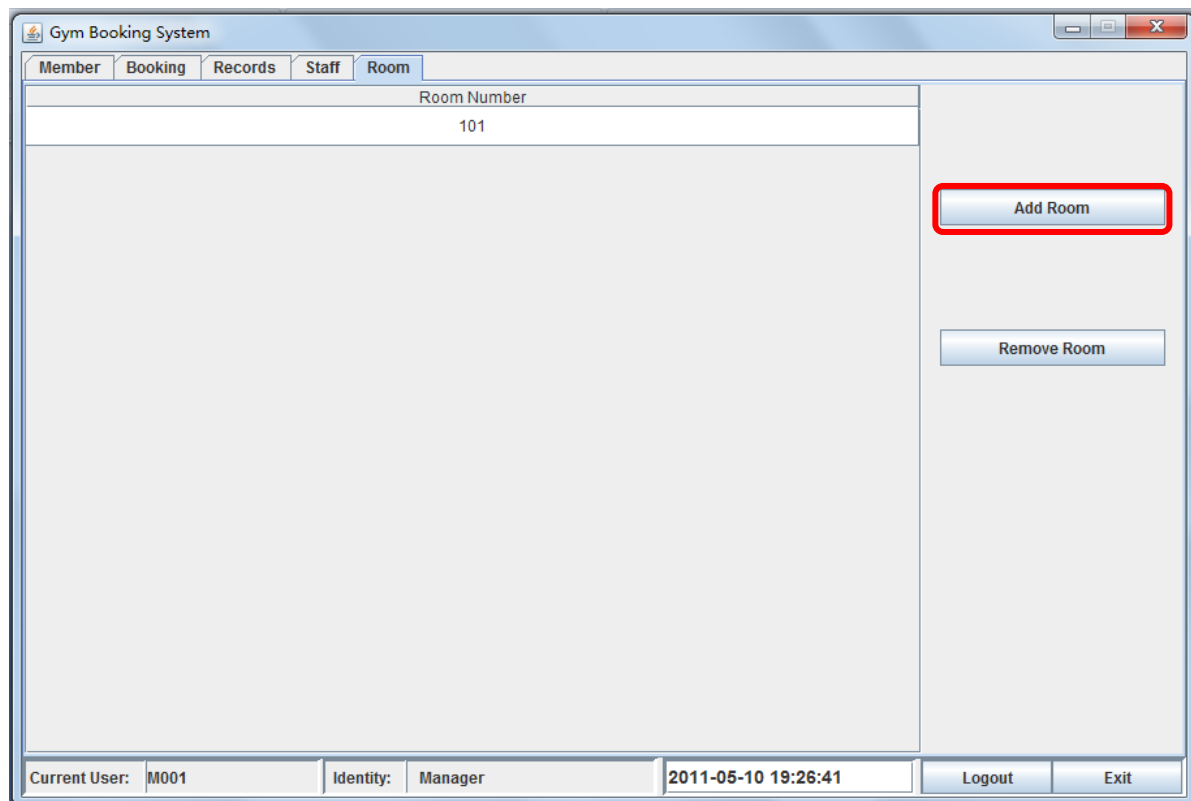


Figure 5.7 Room Management

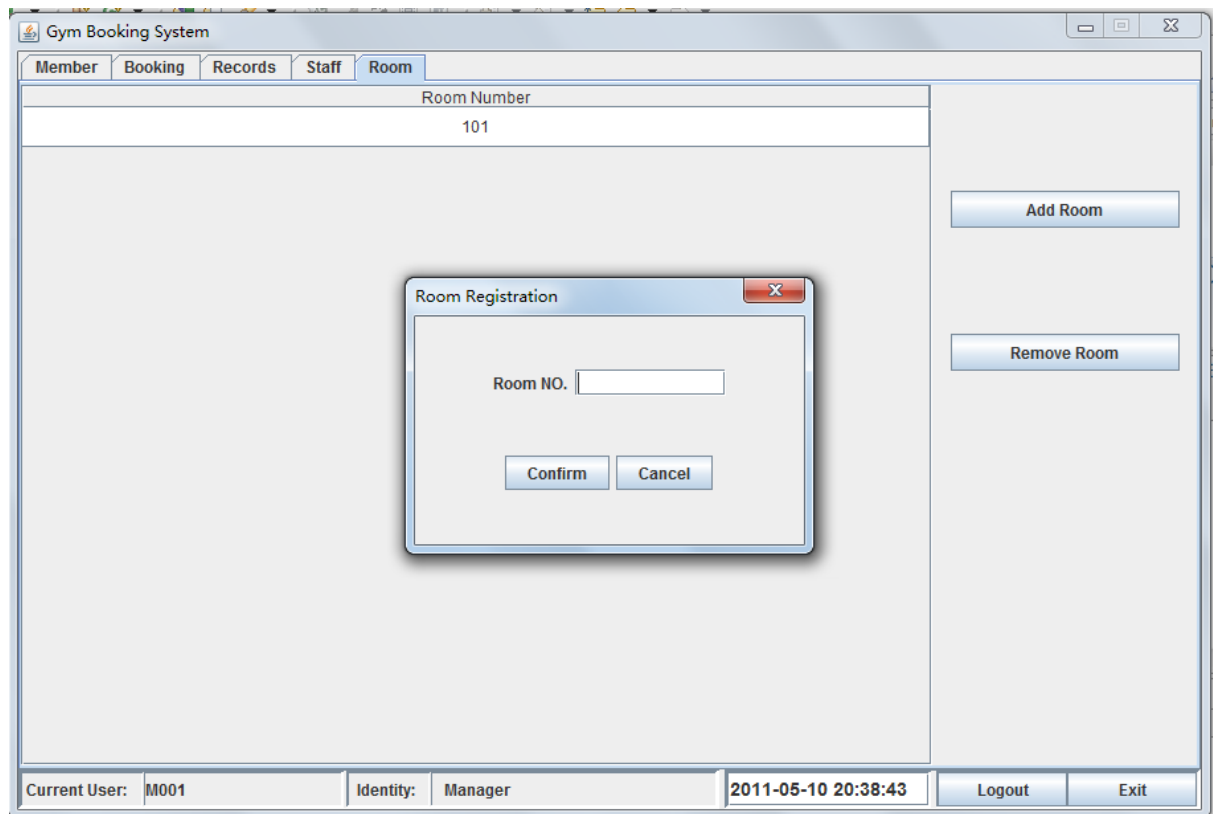
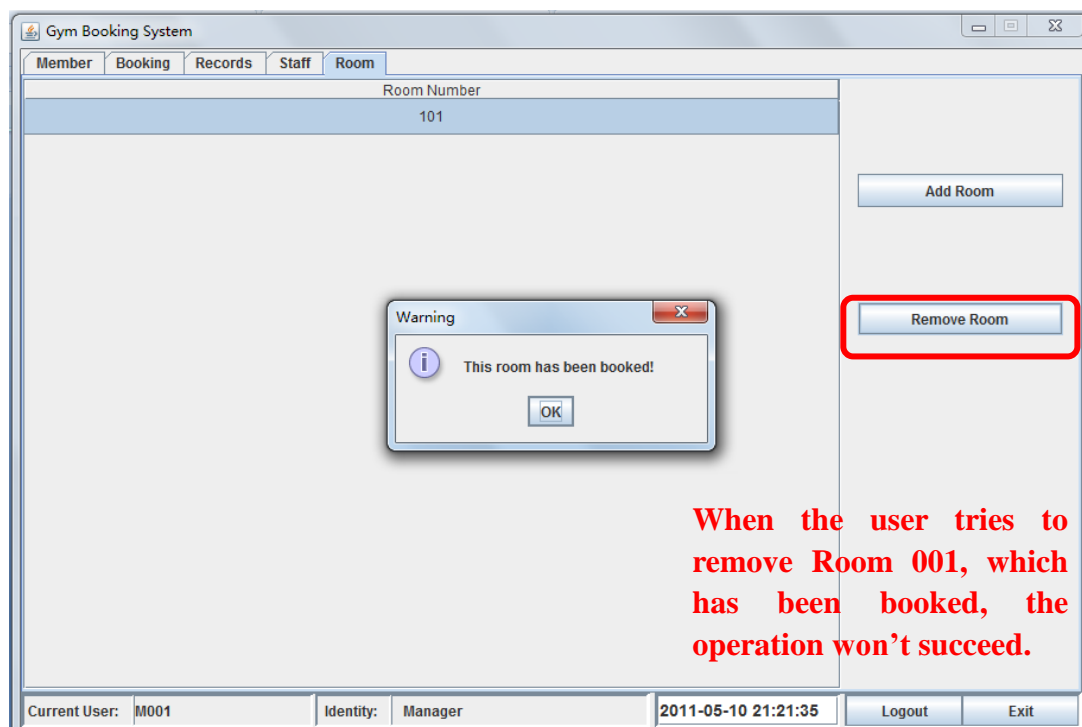


Figure 5.8 Add Room

- Remove room

When the user wants to remove one room, the room must be selected and then the user can click the “*Remove room*” button. The room cannot be removed if it has been booked. See the Figure 5.9.



When the user tries to remove Room 001, which has been booked, the operation won't succeed.

Figure 5.9 Remove Room

◆ **For Specialists:**

■ **Appointment Management**

- For Nutritionist and Trainer

This interface offers all the appointments of the current user. When the user clicks on one appointment, the right area will provide the profile of the member who creates this appointment. See the Figure 5.10.

- For Physiotherapist

In addition to the same function as the appointment interface for Nutritionist and Trainer, the Physiotherapist can also change the room booked by choosing the appointment and then clicking the button “*Change Room*”. The list will show all the available rooms that can be changed to. See the Figure 5.11.

The screenshot displays the 'Gym Booking System' window with the 'Appointment' tab selected. It features a table of appointments and a member profile on the right.

Member ID	Date	Time	Room NO.
002	2011-05-13	AM	NONE

Member ID: 002
Name: Nelly Furtado
Gender: Female
Phone Number: 13801010222
Date of Birth: 1978.12.02
Notes: Say it right!

Current User: T001 | Identity: Trainer | 2011-05-10 19:28:22 | Logout | Exit

Figure 5.10 Appointment Interface of Nutritionist and Trainer

The screenshot displays the 'Gym Booking System' window with the 'Appointment' tab selected. The main area contains a table with the following data:

Member ID	Date	Time	Room NO.
001	2011-05-12	AM	101
001	2011-05-12	PM	101

To the right of the table is a form for member details:

- Member ID: 001
- Name: Lady Gaga
- Gender: Female
- Phone Number: 1111111
- Date of Birth: 1978.12.02
- Notes: Famous singer!

At the bottom right, there is a red-bordered box containing the following controls:

- Cancel button
- No room availa... dropdown menu
- OK button
- Change Room button

The status bar at the bottom shows:

- Current User: P001
- Identity: Physiotherapist
- 2011-05-10 19:30:28
- Logout button
- Exit button

Figure 5.11 Appointment Interface of Physiotherapist

■ Diary Management

This interface offers the function of asking for leave. When clicking the button “*Asking for Leave*”, the table will list the schedule of the current specialist. When the schedule shows “An appointment”, the user can’t ask for a leave at that period. For the period showing “Available”, the user can set that period “Unavailable” and writes the reason for the leave in the text field. Then click the “*Submit*” button. The “*Cancel*” button will cancel the leave.

Gym Booking System

Appointment Dairy

Date	AM	PM
2011-05-11	Available	Available
2011-05-12	Available	Available
2011-05-13	An Appointment	Available
2011-05-14	Available	Available
2011-05-15	Available	Available
2011-05-16	Available	Available
2011-05-17	Available	Unavailable
2011-05-18	Available	Available
2011-05-19	Available	Available
2011-05-20	Available	Available
2011-05-21	Available	Available
2011-05-22	Available	Available
2011-05-23	Available	Available
2011-05-24	Available	Available
2011-05-25	Available	Available
2011-05-26	Available	Available
2011-05-27	Available	Available

Asking for Leave

Reason:

Submit(Set Unavailable)

Cancel(Set Available)

Current User: T001 Identity: Trainer 2011-05-10 20:32:35 Logout Exit

Figure 5.10 Ask for leave

Thanks for your use of our Gym Booking System!