



Tunku Abdul Rahman College

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## User Documentation (Library System)

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CS3074 Windows Programming

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Diploma in Computer Science & Management  
Mathematics (DCN)

Tutorial Group :

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Grade Awarded :

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**User Manual**

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## The Splash Screen

(Available for : All User Levels)



Figure 2.1 The Splash Screen

Welcome to our system, after the system is being activated, you will be greeted by a welcome splash screen. From here you can see who the main people behind this project are.

## The About Screen

(Available for : All User Levels)

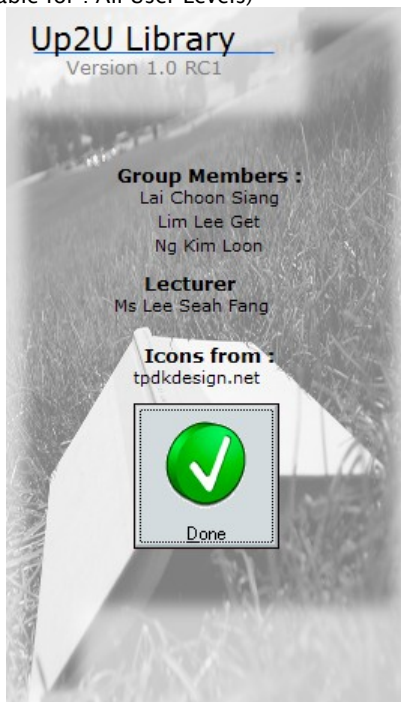


Figure 2.2 The Splash Screen

This is the detailed description about our system. It can be accessed by clicking **Help -> About**.

## The Main Screen (Available for : All User Levels)



Figure 2.3 The Initial Main Screen

This is the main screen of our program. Users may register themselves or log in to the system by entering the User ID and Password. After that, they will be able to access to different modules offered in our system.

## How to Access to Other Module\*

(Available for : All User Levels. However, modules that are able to be accessible for different user level may vary.)

There are numerous ways to navigate from a module to another module. All the modules below are accessed in either one of following three ways.



Figure 2.4 Access Through Shortcut Buttons

You can either directly click on the shortcut buttons available at the top-right corner.

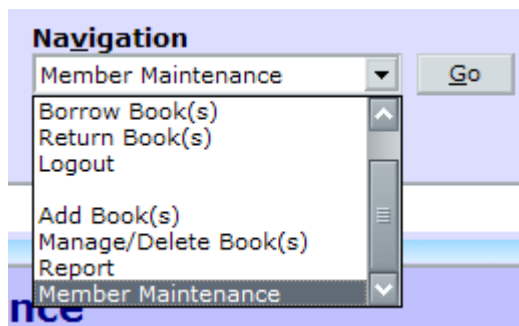


Figure 2.5 Access Through Navigation Box

You may also choose your destination module and click "Go"

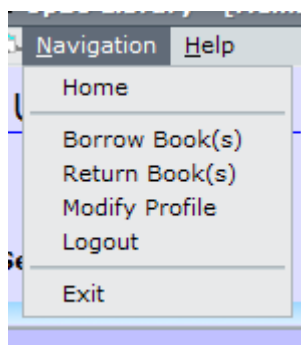


Figure 2.6 Access Through Menu

Or you can just select from the menu bar.

\*Note : The content of the menus may vary

## The Registration Screen

(Available for : User that has not log in to the system or a guest which doesn't have any account)



The registration form is titled "Member Registration" and includes the instruction "Please fill in all the fields below". It contains the following fields: Full name, Password, Confirm Password, I/C number (with a note "( Without hyphen (-) sign )"), Date of birth (with dropdowns for Day, Month, and Year), Address, Postcode, Occupation, and State. On the right side, there are three buttons: a green "Register" button with a checkmark icon, a red "Clear" button with a red circle and slash icon, and a blue "Exit to Home" button with a house icon.

Figure 2.7 Registration Form

After getting into this module, you may register yourself as a member in Up2U Library.

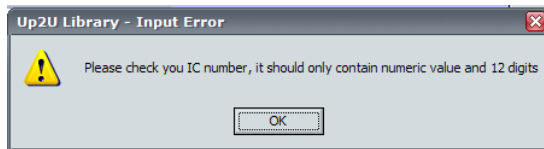


Figure 2.8 IC No. Error

If you type in your IC number wrongly, a pop-up message will be displayed.

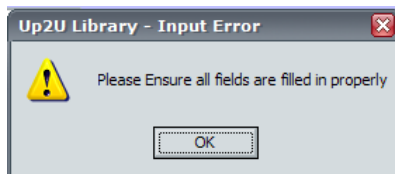


Figure 2.9 Field Empty Error

If there is a field which is empty after you clicked submit, a pop-up message will prompt you to complete the form.

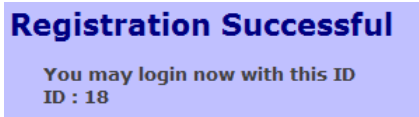
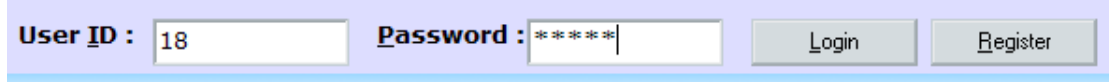


Figure 2.10 Registration Successful

After your registration is done, then you will be given a user ID. Please jot down your ID log in purpose.

## Login Module

(Available for : User that has not log in to the system or a guest which doesn't have any account.)



The login form features two input fields: 'User ID' containing the number '18' and 'Password' containing asterisks. To the right are two buttons: 'Login' and 'Register'.

Figure 2.11 Enter ID and Password

To login, you may enter your User ID and password.

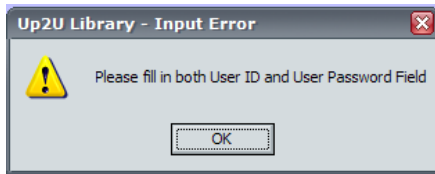


Figure 2.12 ID or Password Not Filled In

If one or both of the fields are not filled in properly, a pop-up message will prompt you to re-enter your login details.

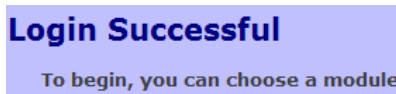


Figure 2.13 Login Successful

This is the message displayed after you have successfully logged in.



Figure 2.14 Greetings with Your Name

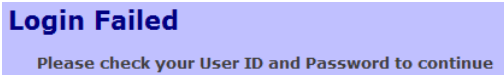
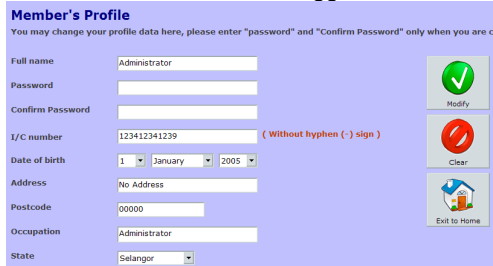


Figure 2.15 Login Failed

This is the message displayed if you didn't key in the details correctly. If you are sure that you are not entering the wrong data, please contact the administrator.

## Profile Modification

(Available for : Users that are logged in with at least a member level.)



The 'Member's Profile' form includes fields for: Full name (Administrator), Password, Confirm Password, I/C number (123412341239), Date of birth (1 January 2005), Address (No Address), Postcode (00000), Occupation (Administrator), and State (Selangor). It also has 'Modify', 'Clear', and 'Exit to Home' buttons.

Figure 2.16 Member Profile

You may edit your profile whenever you need to update your profile.

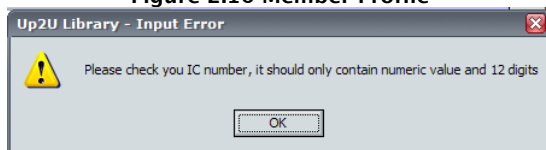


Figure 2.17 IC Number Incorrect

Make sure all fields are filled (except for the Password and Confirm Password fields if you are not changing your password). Or else you will be annoyed by the pop-up message like this.

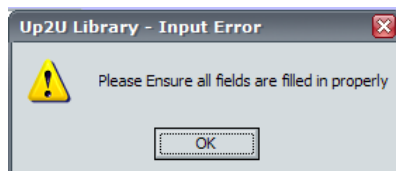


Figure 2.18 Some Field(s) is empty



Figure 2.19 Profile Update Successful

You will be brought to this message after your profile is updated successfully.

## Borrow Book

(Available for : Users that are logged in with at least a **member** level.)

**Borrowing Book**  
You may borrow at most 3 books at a time. Please enter a Book ID to continue.  
You are borrowing 1 Books.

Book ID

Figure 2.20 Borrow Book

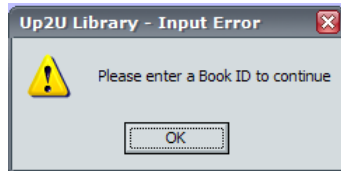


Figure 2.21 No Book ID Entered

**Borrow Book Confirmation**  
Please double check the book details below, to change another correctly entered but displaying wrong book, please kindly look  
Book cannot be found, please click back to re-enter a book id

Figure 2.22 Book Cannot Be found

**Borrow Book Confirmation**  
Please double check the book details below, to change another book, press the back button. If you correctly entered but displaying wrong book, please kindly look for our staff for assistance.


Book ID entered	<input type="text" value="10"/>	
Book's Title	Harry Potter and the Philosopher's Stone	
Author	J.K. Rowling	
Publisher	Bloomsbury Publishing PLC	
Description	Harry Potter thinks he is an ordinary boy - until he is rescued by a beetle-eyed giant of a man, enrolls at Hogwarts School of Witchcraft and Wizardry, learns to play Quidditch and does battle in a deadly duel. The Reason: HARRY POTTER IS A WIZARD!	

Figure 2.23 Book Confirmation

You may borrow at most 3 books at a time. Please enter a book ID to continue.  
You are borrowing 3 Books. You may not borrow more books.

Figure 2.24 Borrow Limit Reached

After the user enter the borrow book form, he should key in the book id number for the borrow purpose and there is a message to remind the quantity of book that user have borrowed. Of course, user cannot proceed or successful borrow the book without key in the book id.

If everything goes fine, you will be brought to this form to confirm the book you should be borrowing.

You can click the **Submit** button to proceed the borrow book's process after entering the book id. If the you key in the invalid book id, it will not show the book detail. If the book detail is match with the book that you want to borrow, you can just click the **Confirm** button then can borrow the book from our library.

If you are already borrowing 3 books, then you are not allowed to borrow book from our library again unless a book is returned.

## Return Book

(Available for : Users that are logged in with at least a **member** level.)

**Returning Book**  
You may borrow at most 3 books at a time. Please choose a book to return below.  
You are borrowing 3 Books.

Return Book ID: Harry Potter and the Philosopher's Stone (ID : 10)  
Harry Potter and the Philosopher's Stone (ID : 10)  
Harry Potter and the Chamber of Secrets (ID : 13)  
Harry Potter and the Prisoner of Azkaban (ID : 15)

Submit

Figure 2.25 Return Book

After you entered the return book form, there is a list with books that you have borrowed and you can click to choose the book name to return and there is a message to remind the quantity of book that user has borrowed.

**Returning Book**  
You may borrow at most 3 books at a time. Please choose a book to return below.  
You are borrowing 3 Books.

Return Book ID: Harry Potter and the Philosopher's Stone (ID : 10)

Submit

Figure 2.26 Return Book 2

You can click the **Submit** button to proceed the return book's process after choosing the book. If the book detail is match with the book that you want to return, you can just click the **Confirm** button and return the book to our Library.

**Return Book Confirmation**  
Please double check the book details below, to change another book, press the back button. If you correctly entered but displaying wrong book, please kindly look for our staff for assistance.

Book ID entered: 10  
Book's Title: Harry Potter and the Philosopher's Stone  
Author: J.K. Rowling  
Publisher: Bloomsbury Publishing PLC  
Description: Harry Potter thinks he is an ordinary boy - until he is rescued by a beetle-eyed giant of a man, enrolls at Hogwarts School of Witchcraft and Wizardry, learns to play Quidditch and does battle in a deadly duel. The Reason: HARRY POTTER IS A WIZARD!

Confirm

Figure 2.27 Return Book Confirmation

After you click the **Confirm** button, system will prompt you that the return book process is succeeded.

**Return Book Confirmation**  
Please double check the book details below, to change another book, press the back button. If you correctly entered but displaying wrong book, please kindly look for our staff for assistance.

Update Successful, You may return another book or back to Home

Book ID entered: 13  
Book's Title: Harry Potter and the Chamber of Secrets  
Author: J.K. Rowling  
Publisher: Bloomsbury Publishing PLC  
Description: Harry Potter is a wizard. He is in his second year at Hogwarts School of Witchcraft and Wizardry. As Harry and Ron embark on their journey to Hogwarts in a flying Ford Anglia, little do they know that this year will be just as eventful as the last as ghosts from Hogwarts past return to haunt the school corridors.

Confirm

Figure 2.28 Update Successful

**Returning Book**  
You may borrow at most 3 books at a time. Please choose a book to return below.  
You do not have any book to return at the moment

Return Book ID: [Empty dropdown]

Exit to Home

Figure 2.29 Unable to Return Book

You cannot return a book without borrow a book from our library or after returning all the books to our library.

## Search and Reservation

(Available for : Users that are logged in with at least a **member** level.)

The **Search** function allows you to know the book location, details. It's very useful in helping you to search for the book you want.

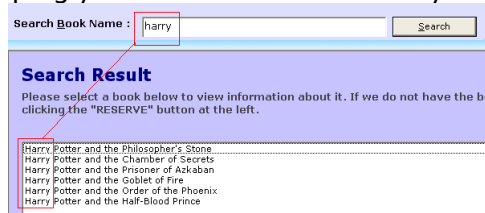


Figure 2.30 Search Result

You need to key in the word that related with the book you want to search in the blank space. Of course, you cannot find anything without typing something inside the textbox.

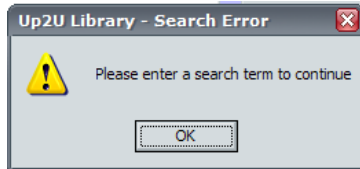


Figure 2.31 Enter Search Term

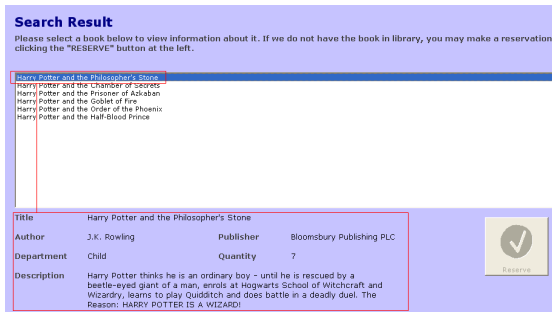


Figure 2.32 Display Book Details

System will then show the result.

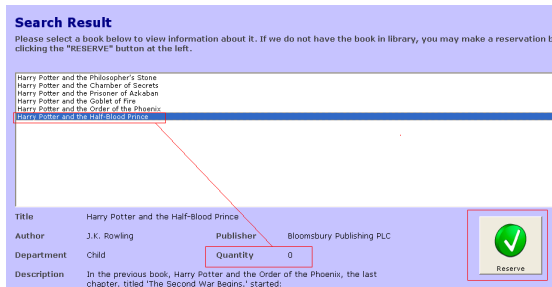


Figure 2.33 Reserve Book When QTY = 0

You can get the information and detail about the book when you click one of the book titles located in the result box

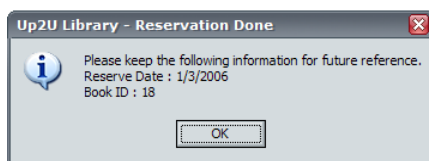


Figure 2.34 Reservation Info

If the quantity of the book is 0 and you wish to borrow it, our system will prepare a reservation for you. You only need to click the **Reserve** button, and then the reservation process will be completed.

## New Book Addition

(Available for : Users that are logged in with at least a **staff** level.)

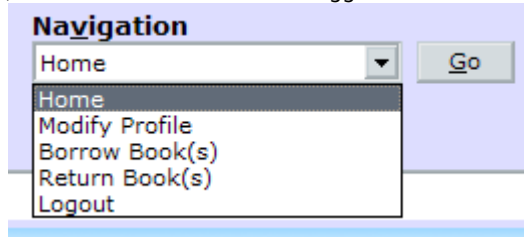


Figure 2.35 Not Available for Normal User

This Add Book function is only available for the staff level user or manager use. For the normal access, normal user doesn't have this function in their navigation

A screenshot of the "New Book Addition" form. The form is titled "New Book Addition" and includes the instruction "Please enter all fields except Book ID. Book ID will be generated". The form contains several input fields: Book's ID (empty), Book's Title (empty), Publisher (empty), Author (empty), Quantity (empty), Genre (empty), Department (empty), and Description (a larger text area). The form is set against a light blue background.

Figure 2.36 New Book Addition

When the user enter to the add book form, it will provide text box will let the administrator key in the book detail and information for adding purpose

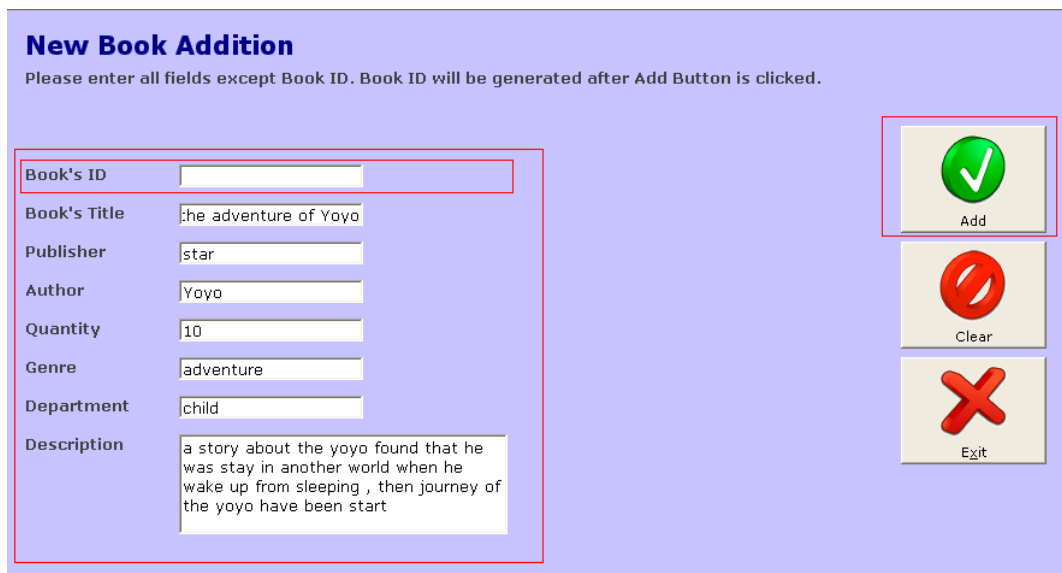
A screenshot of the "New Book Addition" form with data filled in. The form is titled "New Book Addition" and includes the instruction "Please enter all fields except Book ID. Book ID will be generated after Add Button is clicked." The form contains several input fields: Book's ID (empty), Book's Title (the adventure of Yoyo), Publisher (star), Author (Yoyo), Quantity (10), Genre (adventure), Department (child), and Description (a story about the yoyo found that he was stay in another world when he wake up from sleeping , then journey of the yoyo have been start). To the right of the form are three buttons: "Add" (with a green checkmark icon), "Clear" (with a red circle and slash icon), and "Exit" (with a red X icon).

Figure 2.37 Fill in Book Data

After the user fill in all the book details except the book id because it will be auto-generated, he or she can click the **Add** Button for the adding the new book.

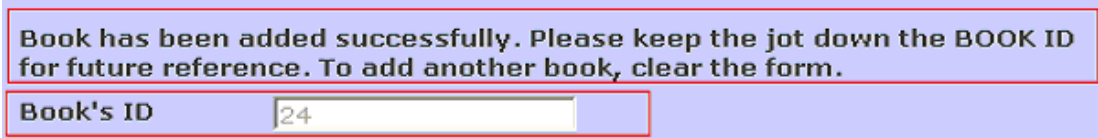
A screenshot of a message box that appears after a book is added successfully. The message reads: "Book has been added successfully. Please keep the jot down the BOOK ID for future reference. To add another book, clear the form." Below the message is a text input field for "Book's ID" containing the value "24".

Figure 2.38 Book Added Successfully

When the user click the **add** button it will, it will generate the book id for certain book. And it will have a message box to let user know that the adding book process successfully added and if user would like to add another new book, just click the **Clear** button to clear the text box.

## Manage/Delete Book Entry\*

(For Manage Module Only : Available for all users that are logged in with at least a **staff** level.)

(Manage With Delete Function : Available for only users that are logged in as a **manager** Level.)



**Book Record Modification**  
To begin modifying, please enter a BOOK ID and click "Search" Button

Book's ID:

Book's Title:

Publisher:

Author:

Quantity:

Genre:

Department:

Description:

Buttons: Search, Modify, Delete, Clear, Exit

Figure 2.39 Enter Book ID to Search

After entering this form, users are reminded to type in a book id to continue. User need to enter the book id to find out which book they would like to modify and click the **Search** button for the searching process.



**Book Record Modification**  
To begin modifying, please enter a BOOK ID and click "Search" Button

Book's ID: 24

Book's Title: the adventure of Yoyc

Publisher: star

Author: YoYo

Quantity: 10

Genre: aventura

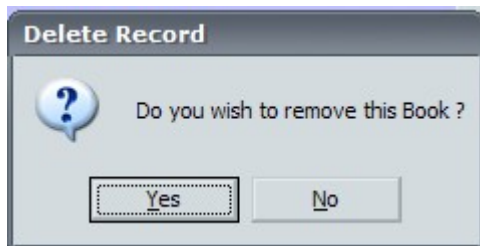
Department: child

Description: a story about the yoYo found that he was stay in another world when he wake up from sleeping , then journey of the yoYo have been start

Buttons: Search, Modify, Delete, Clear, Exit

Figure 2.40 Search Result

After the search result is displayed, users can modify any fields they want except for the book id as it is being locked for modification.



**Delete Record**

Do you wish to remove this Book ?

Buttons: Yes, No

Figure 2.41 Confirmation of Book Removal

For Manager level user, If the **delete** button is pressed, it will prompt out a message box to get confirmation from the user, if the user choose yes, it will remove from the entry from the library database and the system will display a message notifying the user the book data is removed.

\*Note : Delete button is visible only when a **Manager** access this module

## Member Maintenance

(Available for : Users that are logged in as a **manager** level.)

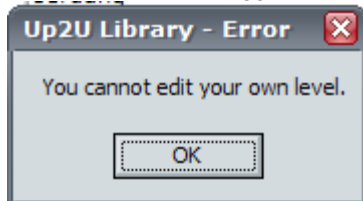


Figure 2.42 Can't Modify Yourself

One important rule in this module, a manager may not edit him/herself to another status. He/she may also not allowed to delete himself from the library

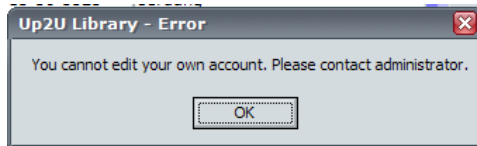


Figure 2.43 Cant Delete Yourself

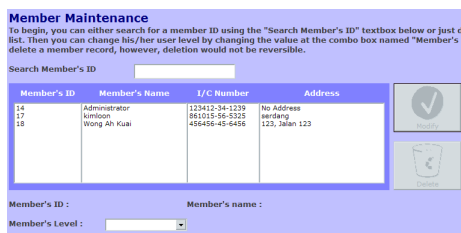


Figure 2.44 Main Screen of Member Maintenance

This is the main screen of this module. To begin, you can straight away type in any User ID that you need to modify his/her status or choose from the list.

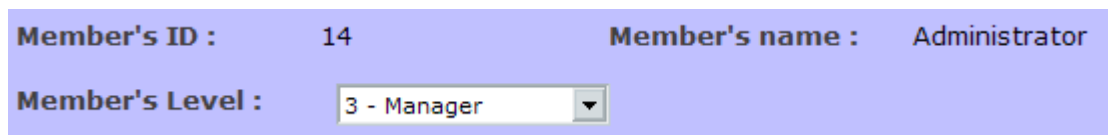


Figure 2.45 Member Data Display

After selecting a user, you will be able to view his/her data. You may change his/her user level or delete his/her account.

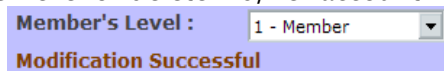


Figure 2.45 Modification Successful

Message will be displayed after **Modify** buttons is pressed.

## Report Module

(Available for : Users that are logged in as a **manager** level.)

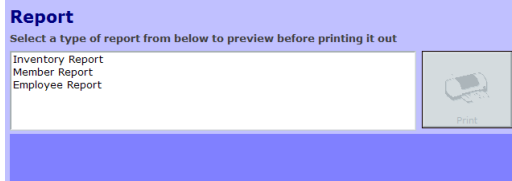


Figure 2.46 Report Module

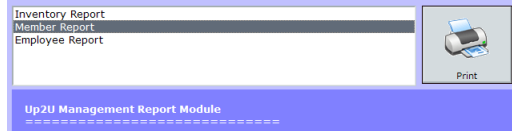


Figure 2.47 Print Preview

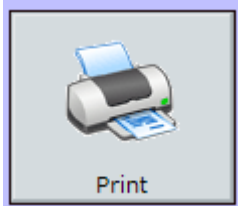


Figure 2.48 Print Button

Managers can access to this module to view reports and make decision based on the summarized report.

You can make a print preview by clicking a report type to preview the content of the report.

After that, you may print out your report by clicking the print button.

## Logout

(Available for : All users who successfully logged in)

### Logout Successful

You may want to exit this system or login as another user.

Figure 2.49 Logout Successful

After you finish all your transactions, you may logout from the system. The system will then display a message telling you have successfully logged out and other users may login to the system.

