DEVELOPING A LIBRARY MANAGEMENT SYSTEM

By

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RESEARCH PROBLEM

Research problem The problem of searching using the traditional methods of managing and organizing the titles of books in the library in addition to the lack of reliable database can be relied upon in the case of borrowing a book in addition to the possibility of loss and non-return of books to their places, besides the absence of having a complete electronic record of all book's information, the research problem can be summarized in the following research questions:

A) does the library have an electronic system for book issuing?

B) does the library have enough infrastructure to execute the suggested model?

C) does the way of working in the current system prevents book loss, misplace, ruining and ripping the pages of the book?

RESEARCH OBJECTIVES

- 1 - Design a system that collects all borrowed data and returned and rejection of the Central Library of the University of Cihan.
- 2 - Designing an electronic library identity includes all of the data and dates of borrowing and return and the amount of the fine in case of delay or loss of the book.
- 3 - Provide electronic records of all of the borrowed books data, and the returned and borrowed books data which ensures the organization of the work of the library in an electronic manner in order to abandon the traditional method that is full of errors and defects.

RESEARCH IMPORTANCE

1- the absence of a system that regulates the process of borrowing and return.

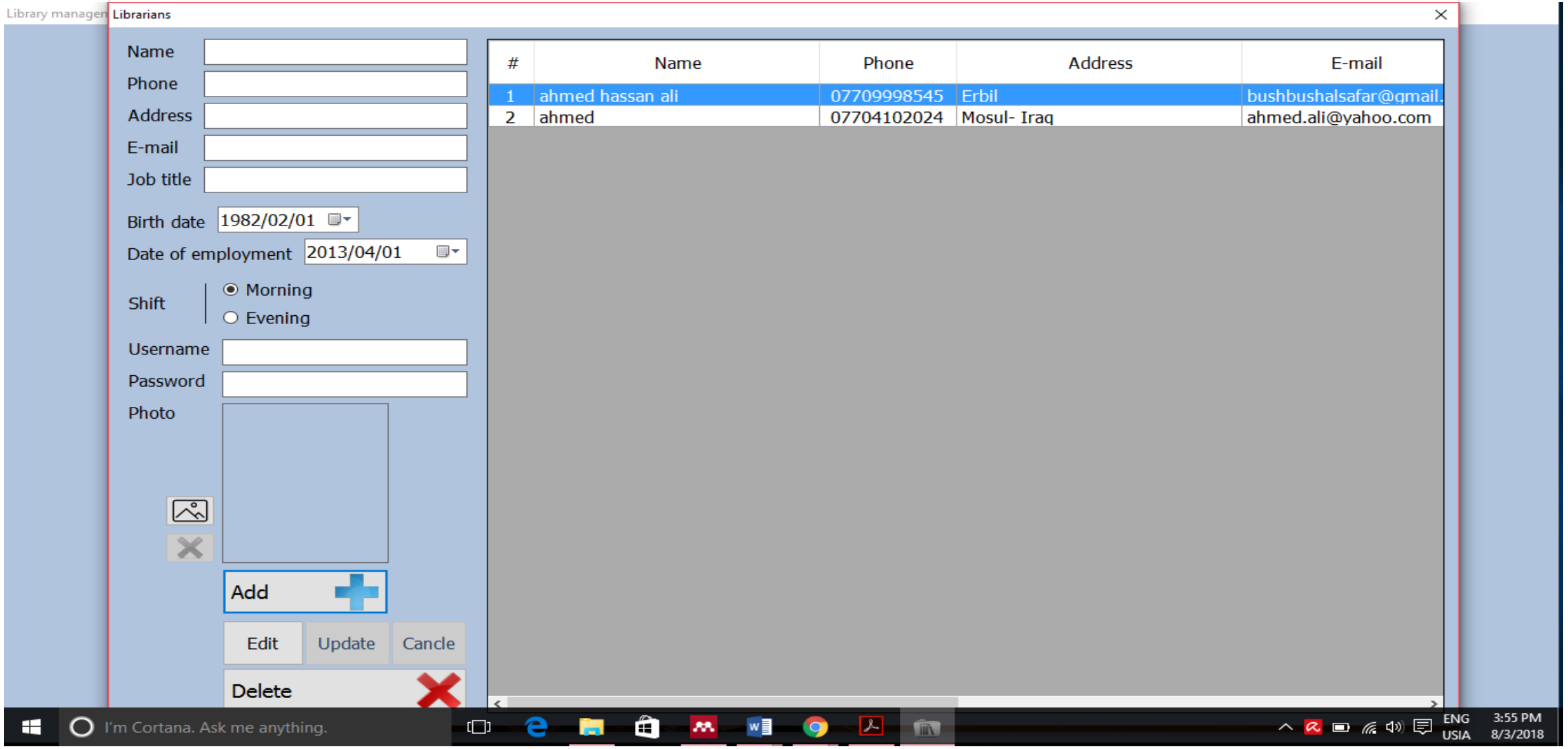
2 - The importance of research is in its ability to provide a system that is designed for the electronic identity of the borrower which includes all the information of the borrowers and the available books in the library and books that can be reserved by the borrowers if borrowed by other people.

3 - Solving the problem of wasting books or not returning them through the designed system which includes delaying fines or losing fine which includes the whole price of the book in case the book is lost.

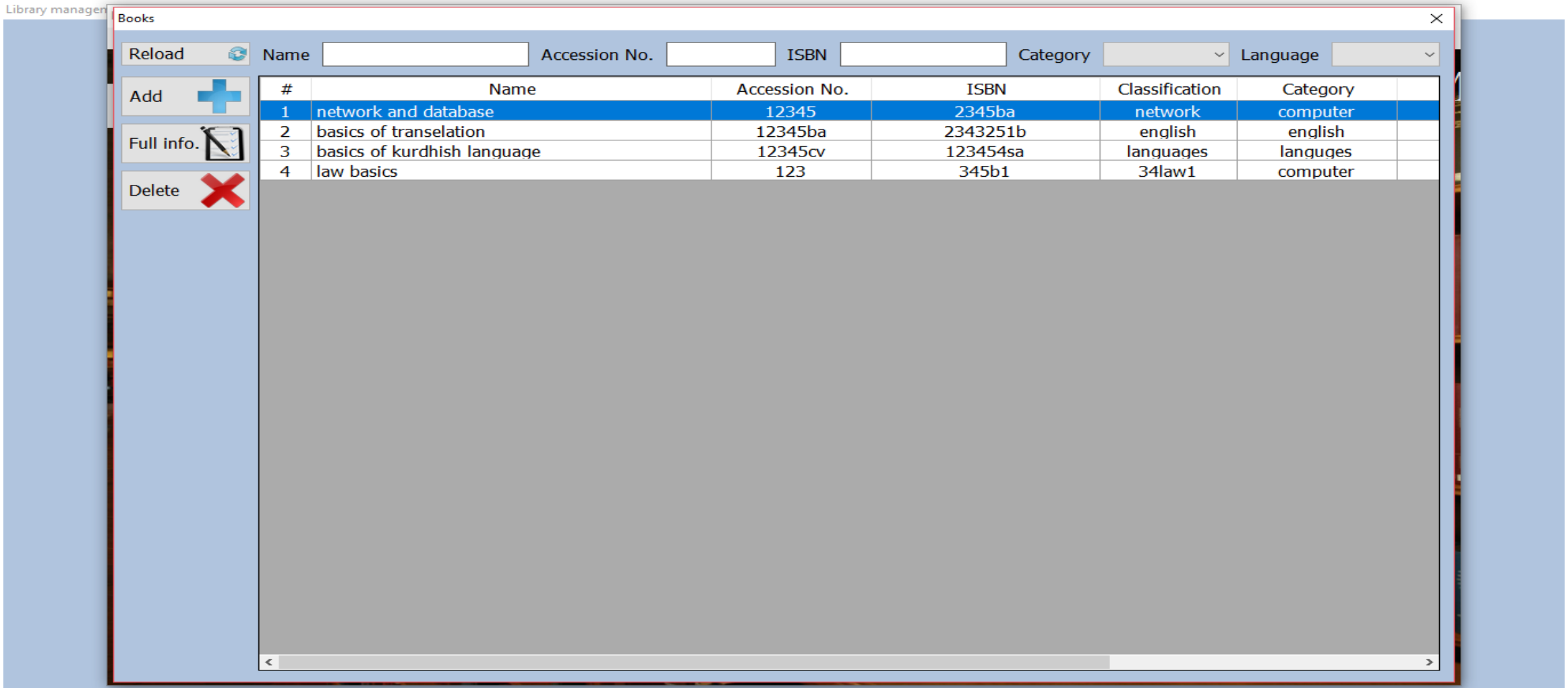
- In order to solve the problems of the central library of Cihan University-Erbil, a library management system was designed as a suggested model. The system was programmed by using Visual basic.net programming language and it was considered cost effective and easy to use by the librarians who were working in the library.

- In the Administrator level of authority : the administrator can do his activities through the system, as followed:

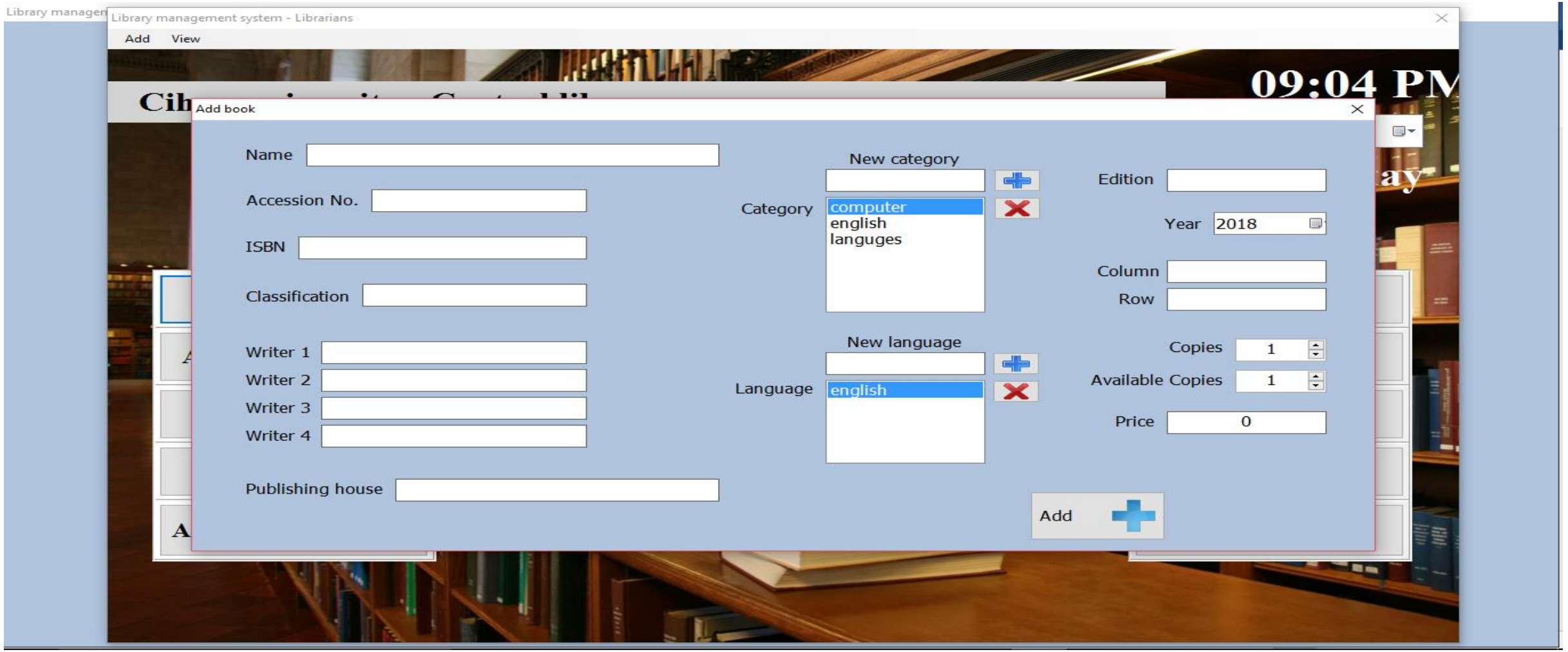
ADD LIBRARIAN INTERFACE



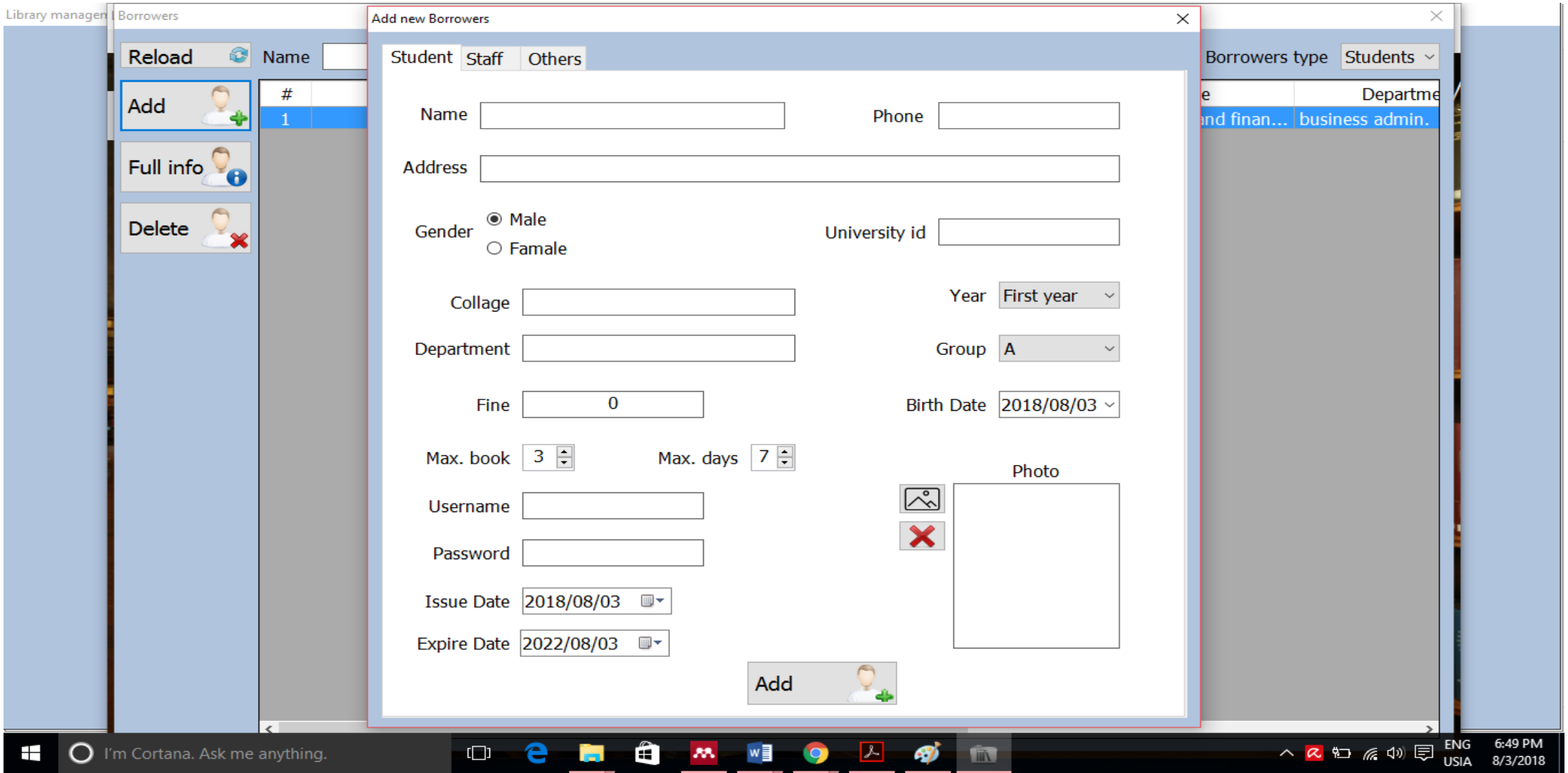
THE BOOK INTERFACE



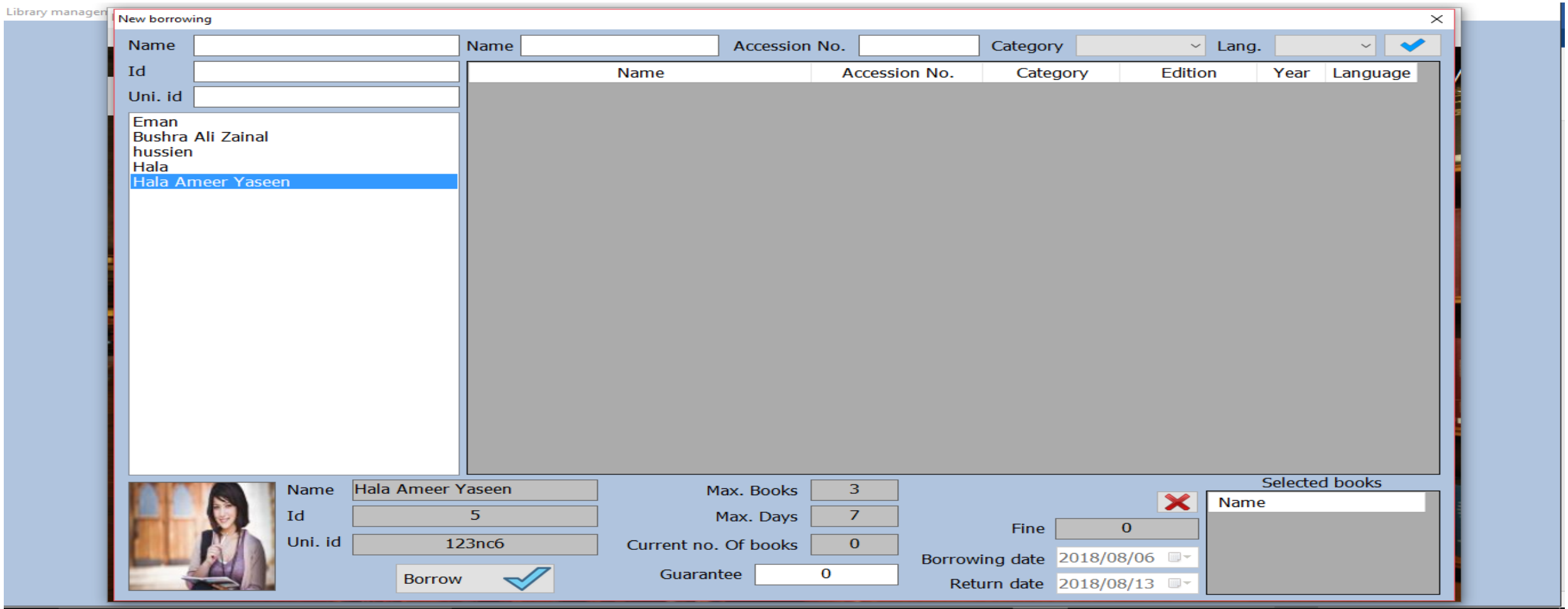
ADD NEW BOOK INTERFACE



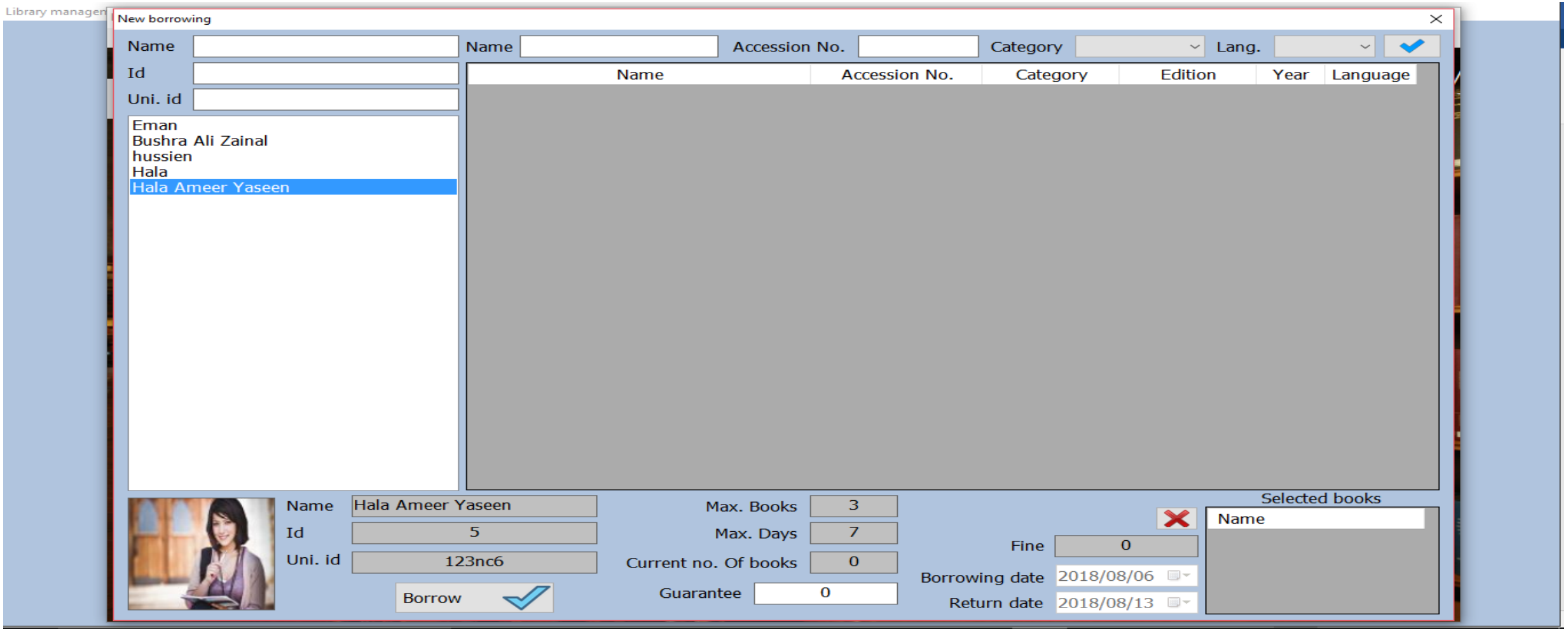
BORROWERS INTERFACE



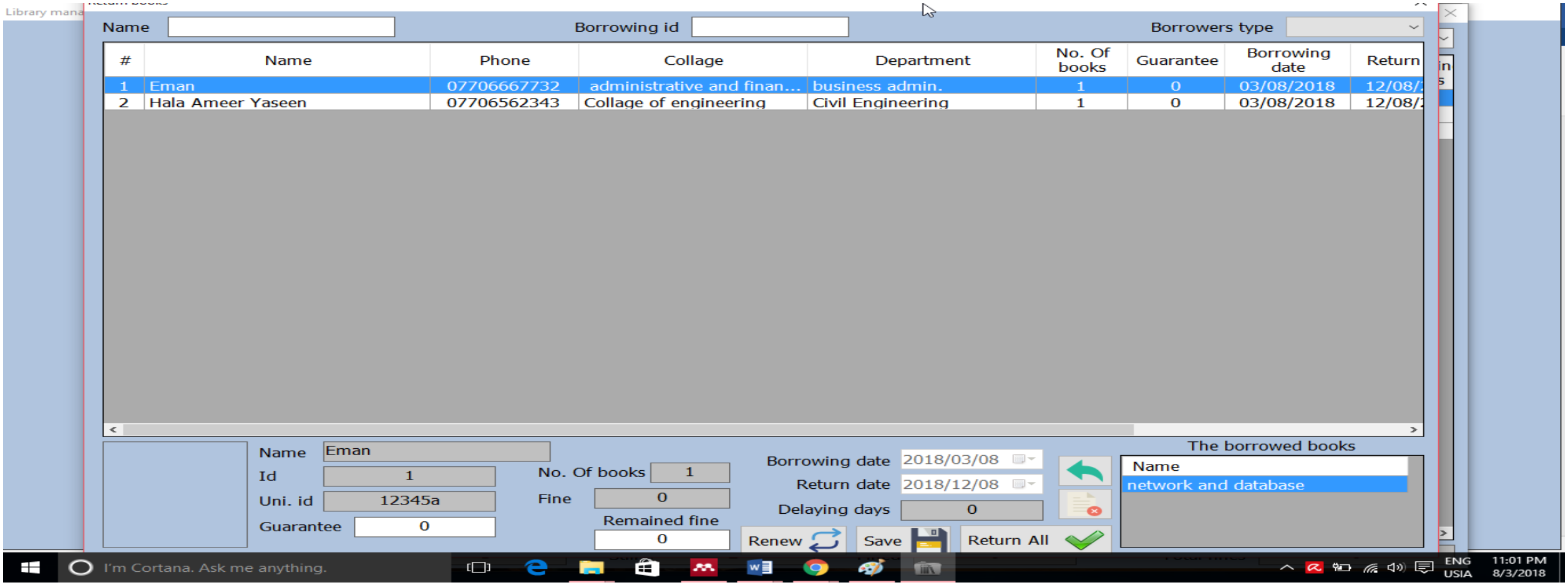
ADD NEW BORROWING INTERFACE



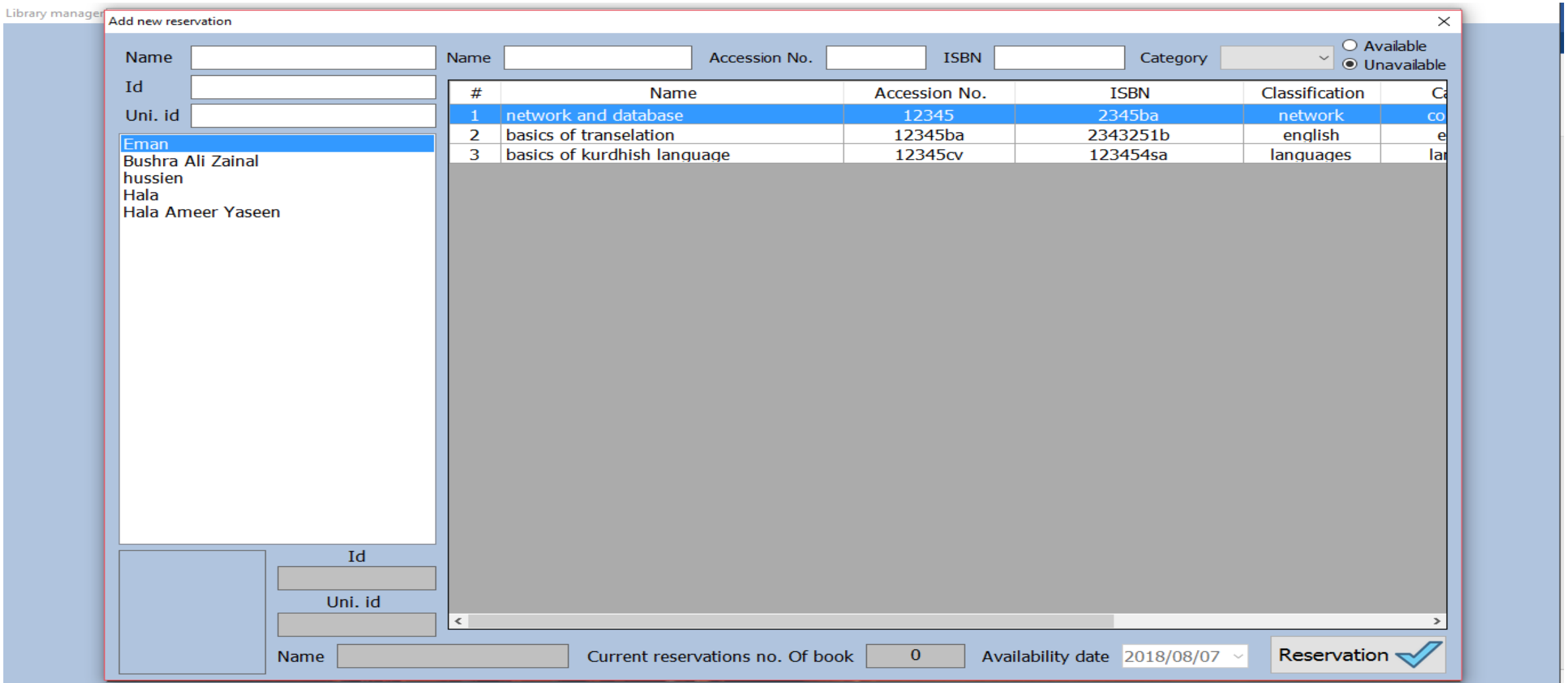
ADD NEW BORROWING INTERFACE



RETURNING A BOOK INTERFACE

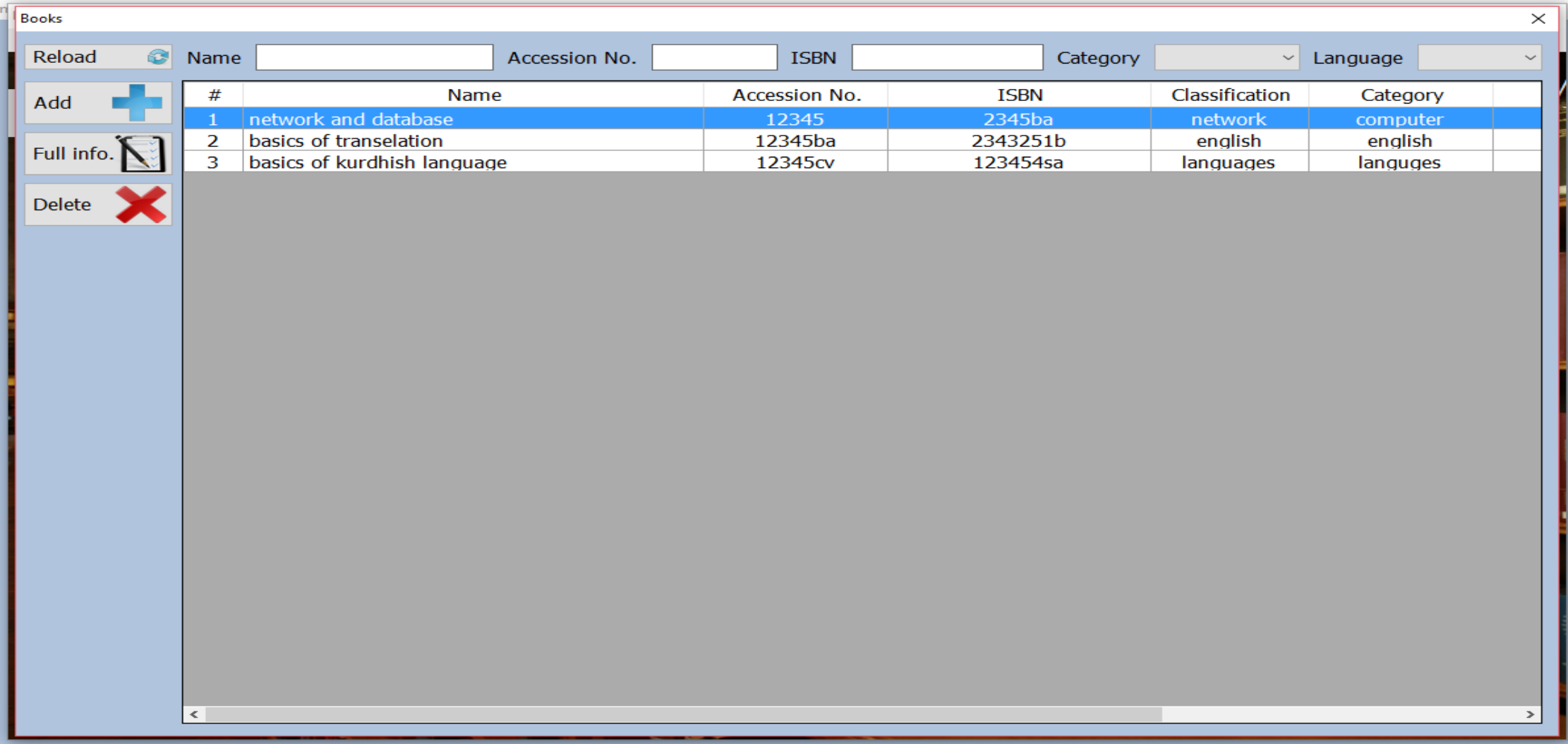


ADD NEW RESERVATION INTERFACE

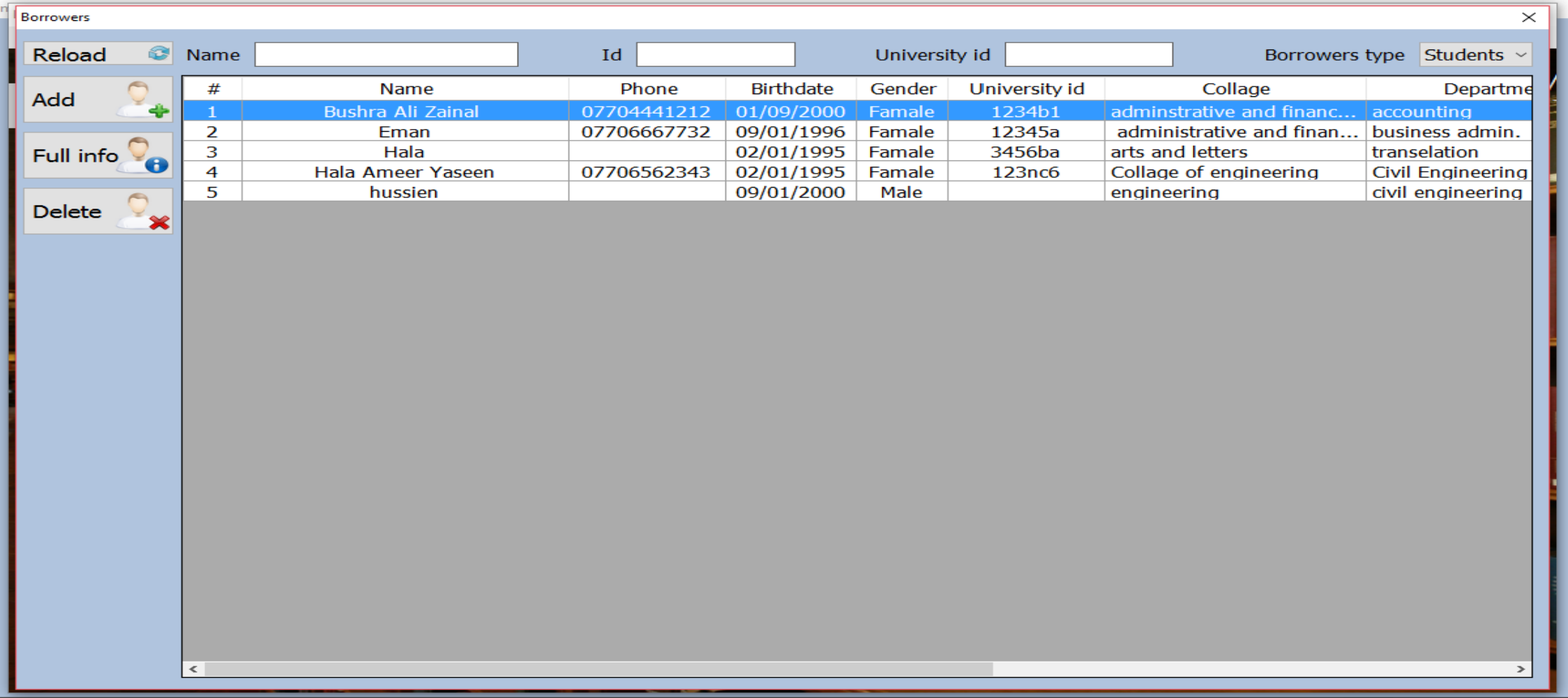


OUT RUT OF THE SYSTEM

THE BOOKS INTERFACE



THE BORROWER'S INTERFACE



LIBRARY'S ID OF THE BORROWER

Kurdistan Region- Iraq
Presidency of Cihan
Central Library

Library ID
5

Name : Hala Ameer Yaseen
College : Collage of engineering
Department : Civil Engineering
Year : First year

Gender : Famale
Phone Number : 07706562343
Job Title :
Username : hala1

Issue Date : 03/08/2018 Expire Date : 01/08/2022

THE BORROWING RECEIPT

Kurdistan Region- Iraq
Presidency of Cihan
Central Library

Borrowing receipt
3

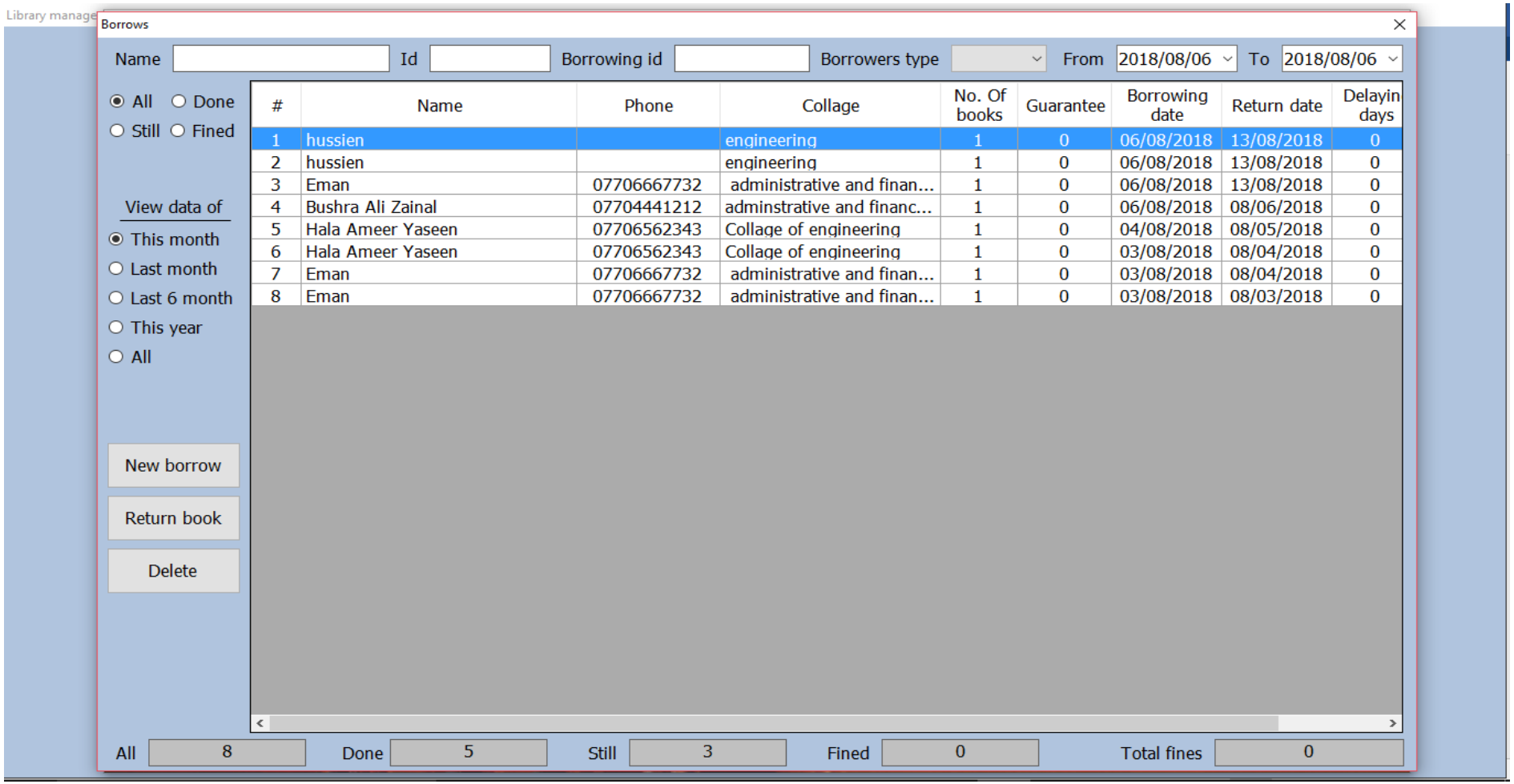
Id : 5 Date : 03/08/2018
Name : Hala Ameer Yaseen Time : 10:22 pm

#	Book name	Accession No.	Price
1	network and database	12345	10,000

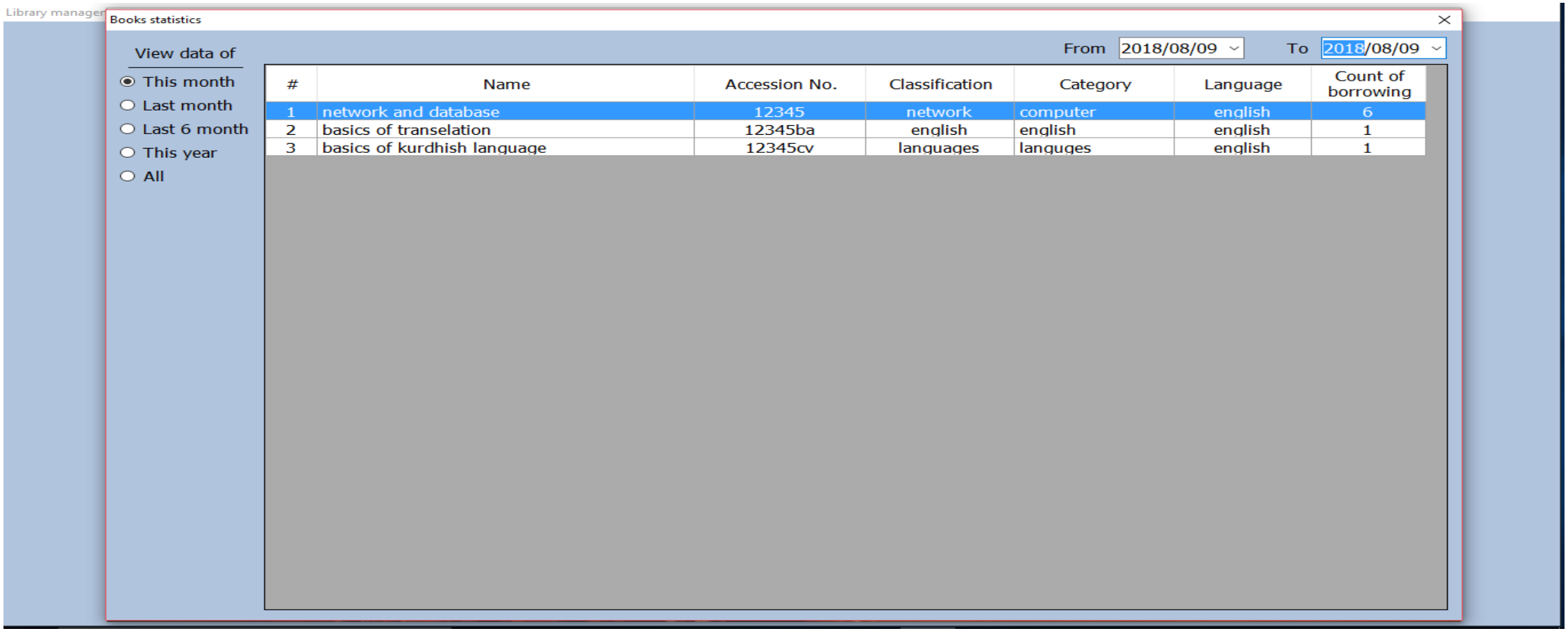
No. Of books : 1 Guarantee : 0 IQD
Max. Days : 7 Borrowing date : 03/08/2018
Return date : 12/08/2018

* If the returning of the books is delayed from the date of returning , A total fine will be calculated for each day which is 500 IQD.
* If the book is lost, You will be responsible to pay the triple price of the book.

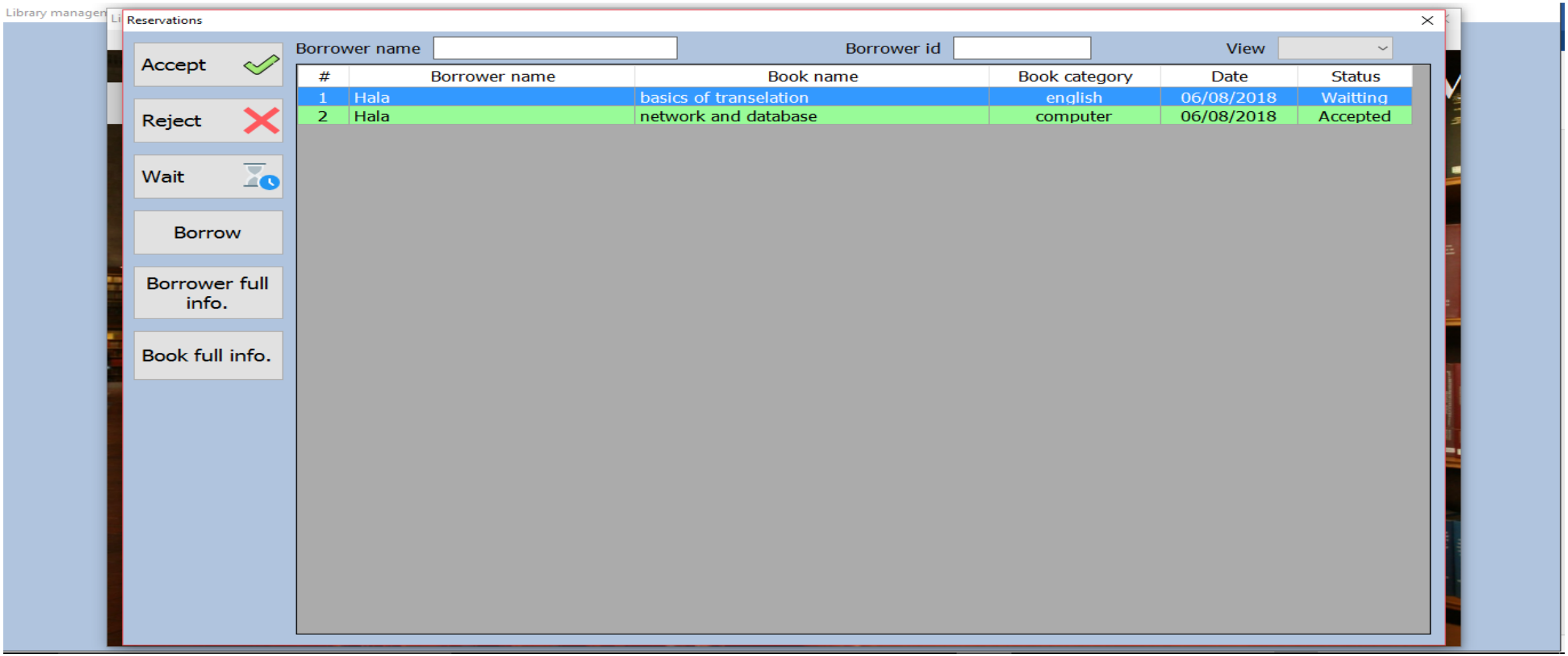
THE BORROWING ARCHIVE INTERFACE

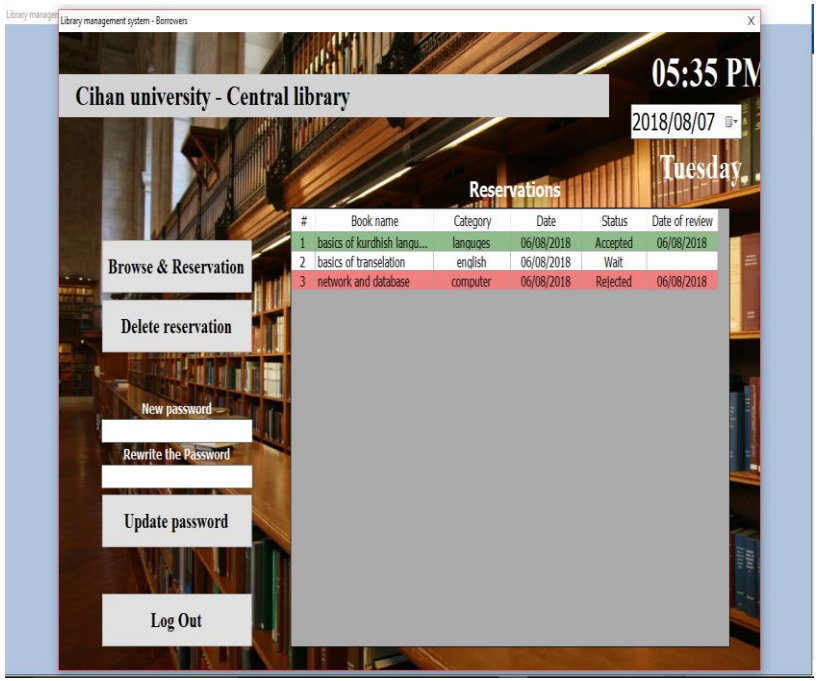


THE BOOKS STATISTICS INTERFACE.



RESERVATION INTERFACE (ACCEPT REJECT, WAIT)




Library management system - Borrowers
Cihan university - Central library
05:35 PM
2018/08/07
Tuesday
Reservations
Book name Category Date Status Date of review
1 basics of kurdhish langu... languges 06/08/2018 Accepted 06/08/2018
2 basics of transelation english 06/08/2018 Wait
3 network and database computer 06/08/2018 Rejected 06/08/2018
Browse & Reservation
Delete reservation
New password
Rewrite the Password
Update password
Log Out