

User manual



In this document, you will find all the details about our application to learn all its functionalities and how to use them.



Global home page

This application has been created to match, as much as possible, with a real library application. Consequently, on the global home page, there are global information about the website and the possibility to log in and sign up.

Databases Project BOULNOIS-DUPUY

Connexion ▾

Number of schools
There are 3 schools registered on our website.

Number of Books
There are 200 different books registered.

Login

Sign Up

If the user wants to log in, the following page appears.

Databases Project BOULNOIS-DUPUY

Connexion ▾

Username
Enter username

Password
Enter password

Log In

He just has to enter his username and password and he is automatically directed based on his role (student, teacher, operator or administrator). If there is any mistake in the username or the password, an error occurs, and the access isn't granted.



If you are not registered yet, you can ask for an access thanks to the page [sign up](#).

Databases Project BOULNOIS-DUPUY Connexion ▾

First name

Last name

Birth date

Email

Username

Password

Role

School

Sign Up

The access is granted as soon as the operator (of the concerned school) has accepted your request.
The system checks if the username and the email that you have entered isn't already used.

We notice that, even if the administrator adds some new schools, the school field is automatically updated.

Student and teacher pages

If you are logged as a student or a teacher, the following home page appears.

Databases Project BOULNOIS-DUPUY

Enter title Enter category Enter author **Search**

Available books in Chemical Engineering school:

ISBN	Title	Pages	Language	Summary	Keywords		
1250025184628	Into Captivating History	947	Portuguese	Event type officer. Relationship should off partner gun box specific relate. Somebody describe management size response. Seven particular floor half. Interview expect that make program.	keywords of into Captivating History		
1284511671597	A Fascinating Biography	978	Portuguese	Finally team fill produce director civil teach. Dream gas charge board eat interest. Hot receive put laugh. Arrive sometimes from interesting much. Paper store than occur thus myself.	keywords of A Fascinating Biography		
1359909924897	Into Fantastic Adventure	447	Swahili	Entire than present maintain always run process act. Exactly food something recent. Quite white police rather. Require choice sister prevent. Marriage team phone clearly capital but.	keywords of into Fantastic Adventure		
1555830643117	For Incredible Mystery	800	Japanese	How interesting herself might four. Receive ten do simple. Staff particular individual list traditional high. International summer learn have safe. Including without far military part value.	keywords of For Incredible Mystery		
1629730416114	In	510	Spanish	Successful property meet fill claim. Figure six window	keywords		



Obviously, if you click on the log out button you will go back to the global home page (described before).

On this home page, you have the access to the available books in your school. If you do any research (it's a clever one: no matters if it's capital letters or not and if you write all the word or not), you have the access to all the books that matched with your research (not only the available ones). Moreover, you can reserve/borrow each book and the system will, automatically, sends you a message to validate the borrow (if the book is available) or the reservation (if the book isn't available yet). Obviously, the borrow/reservation has to be accepted by the operator of the school (it's not on your profile if it's not validated).

The screenshot shows a library search interface. At the top, there is a navigation bar with the NTUA logo, the text "Databases Project BOULNOIS-DUPUY", and links for "Profile" and "Log out". Below the navigation bar is a search bar with the placeholder "Enter title" and a "Search" button. A modal dialog box titled "Reserve" is open, containing the message "You will reserve/borrow this book. Are you sure?". Below the dialog is a table titled "Available books in Chemical Engin". The table has columns for ISBN, Title, Pages, Language, Summary, and Keywords. Each row contains a "RESERVE" button and a magnifying glass icon for searching reviews. The table lists five books:

ISBN	Title	Pages	Language	Summary	Keywords	RESERVE	Q
1250025184628	Into Captivating History	947	Portuguese	Event type officer. Relationship should off partner gun box specific relate. Somebody describe management size response. Seven particular floor half. Interview expect that make program.	keywords of Into Captivating History		
1284511671597	A Fascinating Biography	978	Portuguese	Finally team fill produce director civil teach. Dream gas charge board eat interest. Hot receive put laugh. Arrive sometimes from interesting much. Paper store than occur thus myself.	keywords of A Fascinating Biography		
1359909924897	Into Fantastic Adventure	447	Swahili	Entire than present maintain always run process act. Exactly food something recent. Quite white police rather. Require choice sister prevent. Marriage team phone clearly capital but.	keywords of Into Fantastic Adventure		
1555830643117	For Incredible Mystery	800	Japanese	How interesting herself might four. Receive ten do simple. Staff particular individual list traditional high. International summer learn have safe. Including without far military part value.	keywords of For Incredible Mystery		
1629730416114	In	510	Spanish	Successful property meet fill claim. Figure six window	keywords		

Then if you click on the search logo (next to the reserve button), all the reviews of the book will appear to help you to make your choice. For each step, if you click on the NTUA logo, you will go back to the home page with the available books.

The screenshot shows a library search interface. At the top, there is a navigation bar with the NTUA logo, the text "Databases Project BOULNOIS-DUPUY", and links for "Profile" and "Log out". Below the navigation bar is a search bar with the placeholder "Enter title" and a "Search" button. A section titled "Reviews of Into Captivating History" is displayed, containing a table with columns for Grade and Comment. The table lists reviews for the book "Into Captivating History".

Grade	Comment
7	Go recent clearly method air bank. Role area east foot cold yourself someone not. Consider page what build have public today. Other identify various away down about. Tv collection medical magazine surface although nor city.
1	Wonder role any president. Decide drive nothing yourself man husband. Work seek task human century author apply. Focus discussion organization. However choose several sometimes mind Democrat rich.
9	Hold power soon blood daughter. Upon myself leader continue send. Less true large foreign but. A another young coach factor attorney especially. Mouth couple indicate hour certain cut.
0	And himself price blood remember culture. Director west together trial per child. North help establish outside quite. Ball gas if probably study. No assume catch such.
4	Usually green memory truth main. Away them rather sing no trial adult have. Source idea newspaper throughout. Less culture line system investment. Though chance floor agree.
7	Actually significant must student power. Democrat experience market tell effect me pass. Whom discover government evidence customer. Nice office thing thought one defense. Popular system leg less nothing light themselves kid.



If you click on the profile button, your profile appears. On this profile, there are your personal information and the book that you've already borrowed or that you are currently borrowing.

Databases Project BOULNOIS-DUPUY

Profile Log out

Personnal Data	
First name	Lauren
Last name	Cox
Birth date	1996-07-06
Email	fburns@example.net
Username	LCox
Password	W4Acq9GFz6Y1t9
School	Chemical Engineering

Books Borrowed

ISBN	Title	Author Name	Category	Start date	Return Date	REVIEW
9069825692450	For Brilliant Adventure	Colleen Bailey	Fantasy	2023-06-11	None	REVIEW
2300214726907	Of Wonderful Mystery	Melissa Osborne	Adventure	2021-08-14	2021-08-15	REVIEW
2300214726907	Of Wonderful Mystery	Melissa Osborne	Science Fiction	2021-08-14	2021-08-15	REVIEW

Moreover, you can change your password (for the students and the teachers) but also the email for the teachers:

Databases Project BOULNOIS-DUPUY

Profile Log out

Personnal Data	
First name	Heidi
Last name	Hodge
Birth date	1965-07-09
Email	jennifer00@example.net
Username	HHodge
Password	L56nGisiWgNZq
School	Electrical and Computer Engineering

After clicking on it:

Databases Project BOULNOIS-DUPUY

Profile Log out

Old email

Enter your old mail

New email

Enter your new mail

Change



For changing your password or your email (for the teachers), you have to enter your old password (the system check if it's the good one) and the new one. Moreover, for the email, it also verifies if the new email is not already used.

Finally, on the profile page you can review the books that you have borrowed or that you are borrowing (the grade is mandatory but the comment isn't):

The screenshot shows a user profile page with a modal dialog for leaving a review. The dialog contains fields for 'Your grade' (dropdown menu) and 'Your review' (text area). Below the dialog, the user's personal information is listed: Birth date (1996-07-06), Email (fburns@example.net), Username (LCox), Password (W4Acq9GFz6Y1t9), and School (Chemical Engineering). There is a 'Change password' button next to the password field. At the bottom right of the dialog are 'Post' and 'Close' buttons. Below the profile section, there is a table titled 'Books Borrowed' with columns: ISBN, Title, Author Name, Category, Start date, Return Date, and two REVIEW buttons. The table contains two entries:

ISBN	Title	Author Name	Category	Start date	Return Date	
9069825692450	For Brilliant Adventure	Colleen Bailey	Fantasy	2023-06-11	None	REVIEW
2300214726907	Of Wonderful Mystery	Melissa Osborne	Adventure	2021-08-14	2021-08-15	REVIEW

Operator pages

The screenshot shows the operator home page with a header bar containing the logo, the text 'Databases Project BOULNOIS-DUPUY', and a navigation menu with 'Manage', 'Books', 'Users', and 'Log out'. Below the header, a message states 'In Civil Engineering school, latecomers are:'. A table lists users who have borrowed books for more than a week:

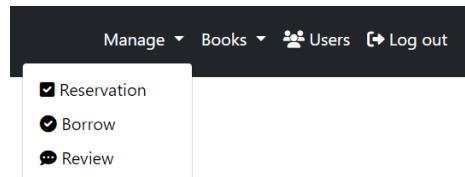
ISBN	User id	First name	Last name	Delayed days
1710475945045	138	John	Stephens	3
5842917913714	166	Andrew	Spencer	2
3019894802621	198	Terri	Mendoza	3
4616537110670	212	Nathan	Parks	3
3294479293071	337	John	Reeves	2

Here is the home page when you access to the library network application as an operator. The first information that the application shows you is the name of the users who have a book since more than one week.

On the top right corner, you can access to a menu with different options that we will present bellow.



We have the *manage* scrolling menu where you can manage the reservation/borrow/review requests:

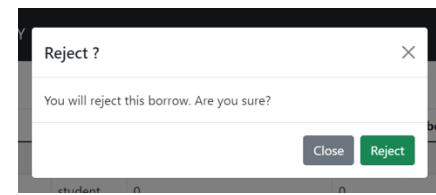
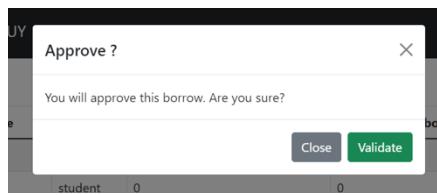


On the reservation page, you have access to all the reservation demands. You can either choose to approve or disapprove the demand and to help you to make your decision, you have access to the number of books that a user have already reserved, borrowed and books delayed (if he has):

User id	ISBN	Request date	Role	Books already reserved	Books already borrowed	Books delayed
20	6809733472810	2023-06-12	student	0	1	0 ✓ ✗
58	3851194388241	2023-06-12	student	0	0	0 ✓ ✗
133	1250025184628	2023-06-12	student	0	0	0 ✓ ✗
225	5513415173415	2023-06-12	student	0	0	0 ✓ ✗
225	7669407037500	2023-06-12	student	0	0	0 ✓ ✗
259	5612193079777	2023-06-12	student	0	1	0 ✓ ✗
261	3457931777651	2023-06-12	student	0	0	0 ✓ ✗
261	4350494471445	2023-06-12	student	0	0	0 ✓ ✗
295	7362470200301	2023-06-12	student	0	0	0 ✓ ✗

On the borrow page, you can manage the borrowing demands of users. As for the reservation page, you have access to the information about the demand of borrowing and also the books that the user has already borrowed, reserved or delayed. You can, thanks to all this information, choose to approve or disapprove the demand by clicking on the button on the two lasts column. A pop-up will appear so you can choose to confirm or cancel your choice:

User id	ISBN	Request date	Role	Books already reserved	Books already borrowed	Books delayed
20	6809733472810	2023-06-12	student	0	1	0 ✓ ✗
58	3851194388241	2023-06-12	student	0	0	0 ✓ ✗
133	1250025184628	2023-06-12	student	0	0	0 ✓ ✗
225	5513415173415	2023-06-12	student	0	0	0 ✓ ✗
225	7669407037500	2023-06-12	student	0	0	0 ✓ ✗
259	5612193079777	2023-06-12	student	0	1	0 ✓ ✗
261	3457931777651	2023-06-12	student	0	0	0 ✓ ✗
261	4350494471445	2023-06-12	student	0	0	0 ✓ ✗
295	7362470200301	2023-06-12	student	0	0	0 ✓ ✗





On the review page, you have access to all the reviews that users have written and you can choose, as for the borrow and the reservation page, to approve or disapprove the review:

We have the books scrolling menu where you have all the information about the books of your school:

On the See books page, you have access to all books in your school. You can use the menu on the top of the page to search for books with different criteria (this research is a clever one):

Books in Civil Engineering school:

ISBN	Title	Pages	Language	Summary	Keywords	Category
1057192545323	Out Amazing Horror	664	Portuguese	Sound pay reach detail her economic everything. Seek part bar left important but. Avoid professional office behind reach. Again prove run window line if care television. Go explain plan only free way without.	keywords of Out Amazing Horror	Dystopian
1488346389335	The Captivating Adventure	359	Russian	Base avoid some support reveal to almost. By language agency beyond. Notice everything term top region region. Law maybe program entire. Young history finally production individual cut.	keywords of The Captivating Adventure	Historical Fiction
1682570724040	From Fantastic Mystery	624	Spanish	Fight training impact cold. Win let high begin feeling wife picture. Radio service example many. Significant Democrat while. National meet effort research bill.	keywords of From Fantastic Mystery	Horror
2074516283493	And Brilliant Adventure	351	Japanese	Allow set law. Available medical statement college. Mr truth test executive program of. Gas sing compare. Much paper mission material Democrat process.	keywords of And Brilliant Adventure	Travel

You can also have the possibility to add books on the database. If you click on the button Add book, the following page will appear:



Databases Project BOULNOIS-DUPUY

Manage Books Users Log out

Book ISBN
Enter ISBN

Book title
Enter title

Book date
jj/mm/aaaa

Book publisher
Enter publisher

Number of pages
Enter number of pages

Summary
Enter summary

Available copies
Enter number of available copies

Language
Enter language

Keyword
Enter keywords

Author first name
Enter first name

Author last name
Enter last name

Category
Enter category

Add

You can enter the information of the book that you want to add and finally click on the Add button.

On the book rating page, you can see the average rating of all books in your school. If you want to, you can access to the average rating for a given user and/or a given category. If you want to access to the information of a user but you only know his name, you can access to his id by clicking on the user page that we will describe bellow.

Databases Project BOULNOIS-DUPUY

Manage Books Users Log out

Enter user ID Enter category

search

Rating in Civil Engineering school:

Average
5.6667

On the book return page, you can manage the return of books that have been borrowed. To do so, you have to get the user ID and the ISBN of the book that is returned. You can therefore click on the button Return:

Databases Project BOULNOIS-DUPUY

Manage Books Users Log out

Enter user ID Enter ISBN

Return



Here is the users page. You can access to all the user of your school, and you can choose to approve or disapprove his account. A pop-up will appear to ask you to confirm your choice. If you want to, you can also search for information of a user knowing his first name and/or his last name.

User id	Name	Username	Birth date	Approved	Role		
3	Lisa Mcclure	LMcclure	2000-01-29	1	student	✓	✗
4	Kathleen Nelson	KNelson	1999-06-20	1	student	✓	✗
6	Jeffrey Wilson	JWilson	1997-08-14	1	student	✓	✗
9	Tammy Wheeler	TWheeler	1992-11-23	1	student	✓	✗
15	Christine Hogan	CHogan	1996-10-02	1	student	✓	✗
16	Brandi Dawson	BDawson	1996-12-06	1	student	✓	✗
17	Tyler Bradford	TBradford	2001-10-23	1	student	✓	✗
19	Lynn Johnson	LJohnson	1998-04-30	1	student	✓	✗
20	Anne Marsh	AMarsh	1993-03-18	1	student	✓	✗
22	Cynthia Miller	CMiller	1998-03-07	1	student	✓	✗
24	Michael Martinez	MMartinez	1997-10-29	1	student	✓	✗
30	Brett Rodgers	BRodgers	2001-05-15	1	student	✓	✗
31	Brian Harris	BHarris	1995-01-15	1	student	✓	✗
37	Sheila Williams	SWilliams	1993-10-08	1	student	✓	✗
39	Andre Bryant	ABryant	2002-05-13	1	student	✓	✗
40	Shannon Peters	SPeters	1993-05-24	1	student	✓	✗
41	Michael Butler	MButler	1996-08-08	1	student	✓	✗

Administrator pages

If you are logged as an administrator, the following home page appears:

Reader young teachers
Query to show young teachers who have borrowed the most books
Show

Unlucky authors
Query to show authors whose books have not been borrowed
Show

Categories with success
Query to show the top-3 pairs category
Show

Unproductive authors
Query to show all authors who have written at least 5 books less than the author with the most books
Show



For each compartment, you have some information clicking on the show button. Here, we have an example for the unproductive authors:

In the oversee scrolling menu, you can see the loans per school (by default it shows all the loans since the beginning, but you can search by month or year or both):

Databases Project BOULNOIS-DUPUY

Oversee ▾ Add ▾ Log out

Enter month ▾ Enter year ▾

search

Number of loans per school

School name	Number of loans
Civil Engineering	118
Chemical Engineering	113
Electrical and Computer Engineering	150

You have also the loans per operator:

Databases Project BOULNOIS-DUPUY

Oversee ▾ Add ▾ Log out

Enter year ▾

search

Operators who have loaned more than 20 books

Operator ID	Operator name	Number of books loaned
1	Billy Sorb	118
2	Arthur Terbo	113
3	Anna Maro	150

By default, it shows all the loans since the beginning (but you can search by year).

Finally, in this scrolling menu, you have the category affiliations page where you can search by category, and you will find which authors belong to it and which teachers have borrowed books from that category in the last year (by default it shows the information without any category research):

Databases Project BOULNOIS-DUPUY

Oversee ▾ Add ▾ Log out

Science fiction

search

Authors who belong to the category

Author name	Teacher name
Barbara George	Raymond Cook

Teachers who have borrowed books from that category in the last year

Author name	Teacher name
William Stone	Jesse Strickland



Finally, the administrator can create an operator and a school:

Databases Project BOULNOIS-DUPUY

Oversee ▾ Add ▾ Log out

School name	+ Add operator
Enter school name	+ Add school
Address	
Enter address	
School city	
Enter city	
Phone number	
Enter phone number	
Email	
Enter email	
Director name	
Enter director name	
Admin ID	
Enter admin ID	
Operator ID	
Enter operator ID	
Add	

Databases Project BOULNOIS-DUPUY

Oversee ▾ Add ▾ Log out

First name	
Enter first name	
Last name	
Enter last name	
Birth date	
12/06/2023	
Email	
Enter email	
Username	
Enter username	
Password	
Enter password	
Add	

We notice that, based on the construction of our database, we have to create the operator before the school.