Virtual library

This virtual library allows you to browse through the books (in PDF format) that are stored in a collection and perform some tasks like searching for a word inside a book, bookmarking it and zooming in and out.

## There are two ways to interact with the library:

* with a mouse and keyboard
* with gesture and voice

## You will be asked to perform some tasks with both interfaces, and to give a quick feedback about it in a questionnaire.

## The library includes the following functionalities:

* a **Search** button and field at the top of the window:
* to search for a book associated with the given keyword, (e.g. “mathematics”).
* an **open** function:
* to display the book directly in a PDF viewer, and read it integrally.
* a **zoom in/out** function:
* to make the text bigger or smaller.
* a **“search in this document”** function:
* to search for occurencies of the given word in the book.
* then, **next** and **previous occurencies** of the word can be browsed.
* a **Bookmark** button, at the right of the “Search” button:
* to save a book in the bookmarks list for further access.
* a **Show bookmark** button, at the right of the “Bookmark” button:
* to see which books you bookmarked.
* a **Delete bookmark** button, at the top right:
* to delete the active book from the bookmark list.

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## On the next page, more detailed instructions are given on how to use the virtual library in an easy way.

## Mouse and keyboard

Here is how to use the virtual library with **a mouse and a keyboard**:

* To **search** a book in the library, write the keyword in the search field and click on the “Search” button.
* To **open** a book, click on its thumbnail.
* To go to the **next** or **previous** page in the book, use the mouse wheel or the scroll bar on the right side.
* To set the **zoom** value, click on the box containing the actual zoom level in %, and write the desired zoom value.
* To **search a word in the document**, use the shortcut Control-F (Command-F on a Mac).
* To **bookmark** the active book, click on the “Bookmark” button.
* To **show** the bookmarked books, click on the “Show Bookmarks” button.
* To **remove** the active book from the bookmarks list, click on the “Delete Bookmark” button.
* To **exit** the virtual library, click the white and red cross on the top rightmost corner.

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## Gesture and voice

Here is how to use the virtual library with **gesture and voice**:

* To **search** a book in the library:

1. Say *“New search”*.
2. Then, say the desired *keyword.*
3. Finally, say: *“Search”*.

* To **open** a book, move the pointer on its thumbnail using your hand and say “*Open*”.
* To go to the **next** or **previous** page in the book:
* Swipe left or right with your left hand.
* *“Next”* or *“Next page*” to go to the next page.
* *“Previous”* or *“Previous page”* to go back to the previous page.
* To **zoom** …
* **in**,say: *“Zoom in”* or *“Make the text bigger”*.
* **out**, say: *“Zoom out”* or *“Make the text smaller”*.
* To **search a word in the document**:

1. Move the pointer with your hand to the desired word.
2. Say *“Search in this document”*
3. Say *“Next result”* to go to the next occurency*.*
4. Say *“Exit search”*.

* To **bookmark** the active book, say *“Bookmark”*.
* To **show** the bookmarked books, say *“Show bookmarks list”.*
* To **remove** the active book from the bookmarks list, say *“Remove boomark”.*
* To display **all the books of the library**, say *“Home”*.
* To **exit** the virtual library, say *“Exit”.*