

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.

1. There are two ways to interact with the library:
 - with a mouse and keyboard
 - with gesture and voice
 2. You will be asked to perform some tasks with both interfaces, and to give a quick feedback about it in a questionnaire.
 3. 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 occurrences of the given word in the book.
 - then, **next** and **previous occurrences** 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.
- 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.

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 occurrence.
 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 bookmark"*.
 - To display **all the books of the library**, say *"Home"*.
 - To **exit** the virtual library, say *"Exit"*.
- On the next page, the task you have to achieve are given. You will have 2 minutes to get to know the interface gesture and voice.

Task (for both interfaces):

1. Open the book called "A History of Mathematics"
2. In the book, search for the word "Gutenberg"
3. Go to page 10
4. Bookmark this book
5. Bookmark another book called "First Six Books of the Elements of Euclid"
6. Show all the bookmarks