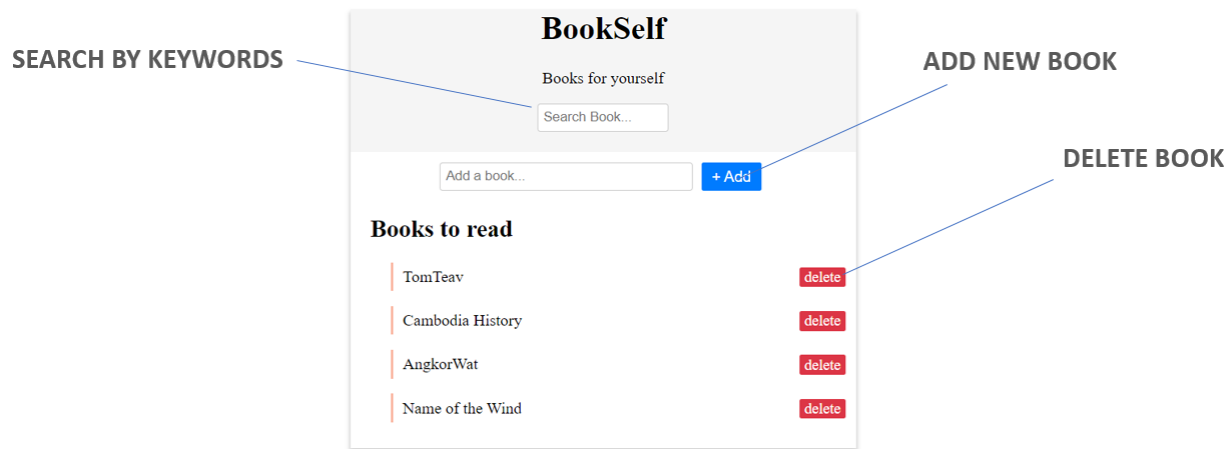


EXERCICE 1 – BOOK APP



Note : Of course the list of books must be kept on SERVER !

DATA DEFINITION

DATA IN SERVER/CLIENT?

- Keep data in server if they need to be stored and share to other users
- Keep data in browser (client) if it's just temporary and specific to the user

DATA WILL CHANGE?

- Does the data will be updated, removed, added, or it never change?

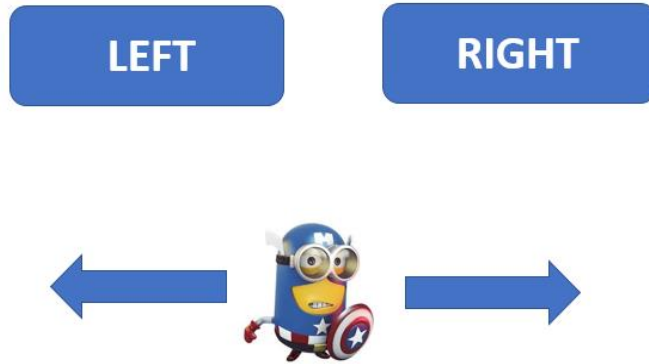
DATA	DATA TYPE	DATA IN SERVER/CLIENT	DATA WILL CHANGE
LIST OF BOOKS	ARRAY	SEVER	YES
LAST SEARCH	STRING	CLIENT	YES

REQUEST DEFINITIONS

REQUEST	REQUEST TYPE <ul style="list-style-type: none">- GET- POST- DELETE	PATH	PARAMETERS	BODY (FOR POST ONLY)	RESPONSE
GET books	GET	/books			The list of books
Add book	POST	/book		{ Name: bookName	The new list of books

				}	
Remove book Of given ID	DELETE	/book	Id= bookName		The new list of books

EXERCICE 2 – CAPTAIN AMERICA



Note : Position of captain on Y **never change**

Note : Position of captain **on X** must be **kept on SERVER** because many users can use this app

DATA DEFINITION

DATA IN SERVER/CLIENT?

- Keep data in server if they need to be stored and share to other users
- Keep data in browser (client) if it's just temporary and specific to the user

DATA WILL CHANGE?

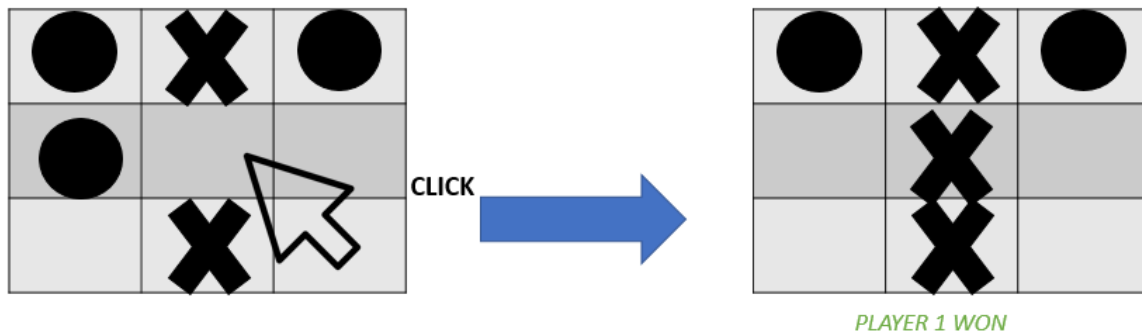
- Does the data will be updated, removed, added, or it never change?

DATA	DATA TYPE	DATA IN SERVER/CLIENT	DATA WILL CHANGE
Captain	Position of captain	Server	YES

REQUEST DEFINITIONS

REQUEST	REQUEST TYPE <ul style="list-style-type: none">- GET- POST- DELETE	PATH	PARAMETERS	BODY (FOR POST ONLY)	RESPONSE
Move captain	POST	/move	Direction=left/right ?direction=left		New captain X position
Get captain position	GET	/position			captain X position

EXERCICE 3 – TIC TAC TOE



DATA DEFINITION

DATA IN SERVER/CLIENT?

- Keep data in server if they need to be stored and share to other users
- Keep data in browser (client) if it's just temporary and specific to the user

DATA WILL CHANGE?

- Does the data will be updated, removed, added, or it never change?

DATA	DATA TYPE	DATA IN SERVER/CLIENT	DATA WILL CHANGE
Grid	Array 2D	SERVER	YES
Current player	1 (player 1) 2 (player 2)	SERVER	YES

REQUEST DEFINITIONS

REQUEST	REQUEST TYPE <ul style="list-style-type: none">- GET- POST- DELETE	PATH	PARAMETERS	BODY (FOR POST ONLY)	RESPONSE
Get game grid	GET	/grid			The grid state
Get current player	GET	/player			The current player (1/2)
Get game status	GET	/status			The game status
Play	POST	/play	rowNumber columnNumber		The new grid state

