JS

HOW TO START A PROJECT ?

HOW DO WE WORK TODAY?

3 HOURS

4 EXERCICES

- ✓ 30 MINUTES OF **WORK** **IN TEAMS** (2 or3 STUDENTS)
  - → EACH TEAM SEND HIS DOCUMENT TO THE TRAINER
- ✓ 15 MINUTES **PRESENTATION** **& DISCUSS**

TEAM WORK !!

- ✓ **Share** your ideas
- ✓ Make sure **everyone** shares.
- ✓ **Decide** together.

3 FIRST STEPS TO START A PROJECT

1

UNDERSTAND

- What we want t**o see** ?
- What we want **to do** ?

2

DATA

- What do you **need to keep**
  - in the **back (json)** ?
  - In the **front (local storage)**?
- What are the **type** of data?

3

REQUESTS DEFINITION

- What are the **GET** ?
- What are the **POST** ?

1

UNDERSTAND

[DEMO 1] LOGIN APPLICATION

Enter login

Enter password

SUBMIT

Login successful

2

DATA

What are the data in server, in client ?

DATA	DATA TYPE	DATA IN SERVER/CLIENT	DATA WILL CHANGE
List of users Each users has: - Name - Password	Array of users	**SERVER**	NO

Note : here no data in FRONT, because we DON'T save the login and password of the user in LOCAL STORAGE

3

REQUESTS DEFINITION

What are the requests I need ?

REQUEST	REQUEST TYPE	PATH	PARAMETERS	BODY (IF POST)	RESPONSE

Login	POST	/login	Login
			The login
			
			Password
			The password
				{
				login: xxx,
				password: yyy
				}
					True
					If the login/password is valid
					
					False
					If the login/password is not valid

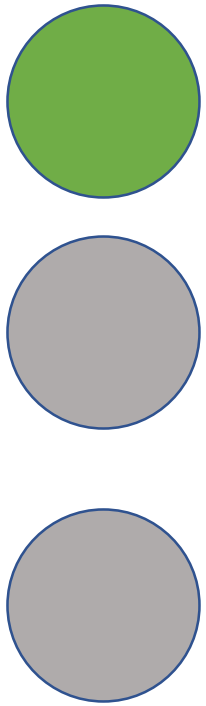
1

UNDERSTAND

[DEMO 2] TRAFFIC APPLICATION

RED

SET



2

DATA

What are the data in server, in client ?

DATA	DATA TYPE	DATA IN SERVER/CLIENT	DATA WILL CHANGE
Traffic light status (RED/GREEN/YELLOW)	String	**SERVER**	YES

Note : here no data in FRONT,

3

REQUESTS DEFINITION

What are the requests I need ?

REQUEST	REQUEST TYPE	PATH	PARAMETERS	BODY (IF POST)	RESPONSE
Set light status	POST	/status	status light status		The new status
Get light status	GET	/status			The status

1

UNDERSTAND

[DEMO 2] MOVIES APPLICATION

SEARCH

RESULTS

Fight Club
Year: 1999
Type: movie

Fight Club 2
Year: 2015
Type: movie

2

DATA

What are the data in server, in client ?

DATA	DATA TYPE	DATA IN SERVER/CLIENT	DATA WILL CHANGE
List of all movies Each movie has: - Name - Type - Year - Image	Array of objects	**SERVER**	NO
Search	String	**CLIENT**	YES

3

REQUESTS DEFINITION

What are the requests I need ?

REQUEST	REQUEST TYPE	PATH	PARAMETERS	BODY (POST ONLY)	RESPONSE
Get a movie	GET	/movies	Search The search key words		The list of movie whose title Contain the key words

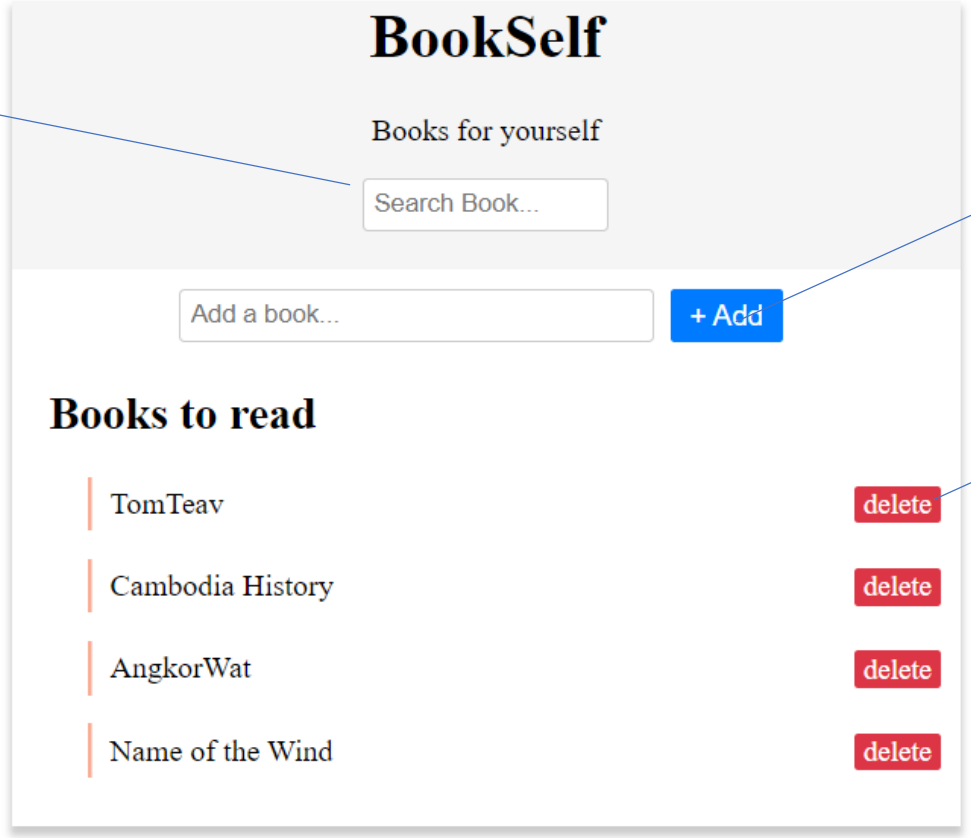
TEAM WORK !!

[EXERCICE 1] BOOK APPLICATION

SEARCH BY KEYWORDS

ADD NEW BOOK

DELETE BOOK



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

TEAM WORK !!

[EXERCICE 2] CAPTAIN AMERICA

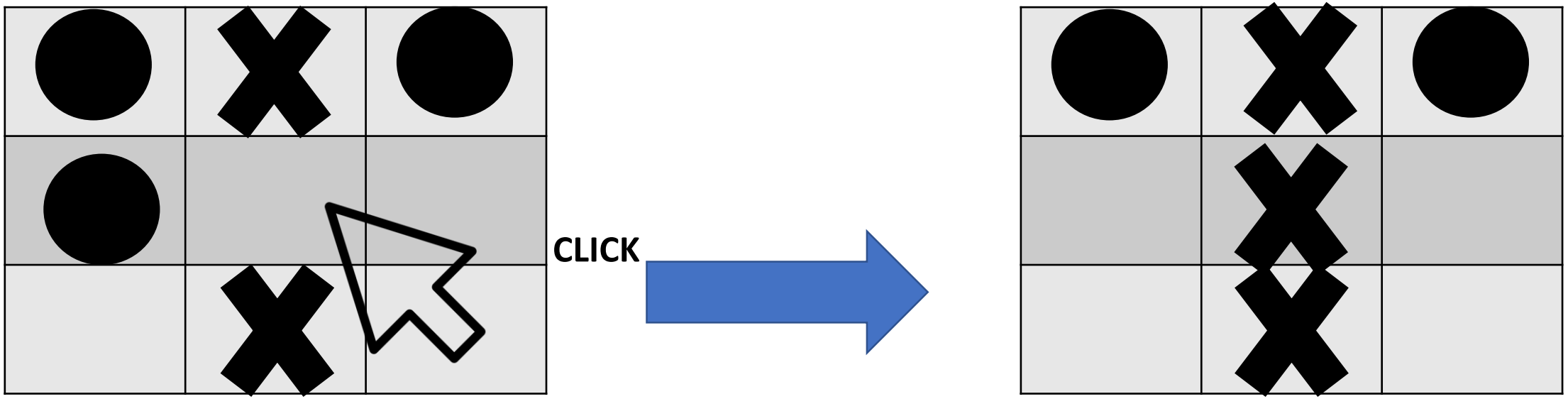
LEFT **RIGHT**

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

TEAM WORK !!

[EXERCICE 3] TIC TAC TOE



PLAYER 1 WON