



REMOTE NAVAL BATTLE

REVIEW N°2 (IN ENGLISH !)

SUMMARY

- ▶ Team composition
- ▶ Specifications
- ▶ Project state
 - ▶ Problems encountered and their solutions
 - ▶ Tasks performed
 - ▶ Personal tasks
- ▶ GANTT comparison
- ▶ Equipements justification

TEAM COMPOSITION

- ▶ Jordan CHAMPAULT
- ▶ Loelia THEVENIN
- ▶ **Cyril COLINET**

SPECIFICATIONS

- ▶ Realization of a **functional prototype of naval battle**
 - ▶ **Wireless connection for a domestic use** (without wire)
 - ▶ **Two displays** (one per player)
 - ▶ Every displays shows **both railings simultaneously/alternately**
 - ▶ Respect of the **rules of classical naval battle** (100 compartements, game turn by turn)

PROJECT STATE

PROBLEMS ENCONTRED & SOLUTIONS

- ▶ Wireless link with **bluetooth complex to implement**
 - ▶ Data processing (**send/receive**)
 - ▶ Solution: persistence (**success = persistence**) 😊
- ▶ Which changes **since the first review** ?
 - ▶ The **non-wired connection works** finally !

TASKS PERFORMED

- ▶ **Playable graphical** interface → **OK**
- ▶ **Data storage** in arrays and reusing → **OK**
- ▶ **Winner and loser** definition → **OK**
- ▶ **Send/Receive** data with Bluetooth → **OK**
- ▶ **Sustainable Development** → **OK**
- ▶ **Writing of the file** → **OK**
- ▶ Pooling of the graphic part and the send/receiving part (**front-end / back-end**) → **WORK IN PROGRESS**

PERSONAL TASKS

▶ Diagrams

- ▶ Information chain
- ▶ Context SysML
- ▶ Requirements SysML

▶ Management of the **non-wired** communication between both systems

- ▶ Data processing (**sending + receiving**)
- ▶ Data conversion (**Binary → Hexadecimal → ASCII**)

GANTTCOMPARISON

- ▶ https://raw.githubusercontent.com/LesSinsDuFutur/naval_battle/master/gantt.png

EQUIPEMENTS JUSTIFICATION

▶ *GLCD Display*

- ▶ Practice
- ▶ Ergonomic
- ▶ Combination of the tactile and the display **(2 in 1)**, so **reducing of the composants number**

▶ *Bluetooth module*

- ▶ **Sending/Receiving**, contrary to the infrared
- ▶ **Sending and fast important reception data reception** contrary to the radio frequencies
- ▶ **« MORE SIMPLER » to set-up** compared with Wi-Fi



THIS THE END !

THANKS FOR LISTENING !