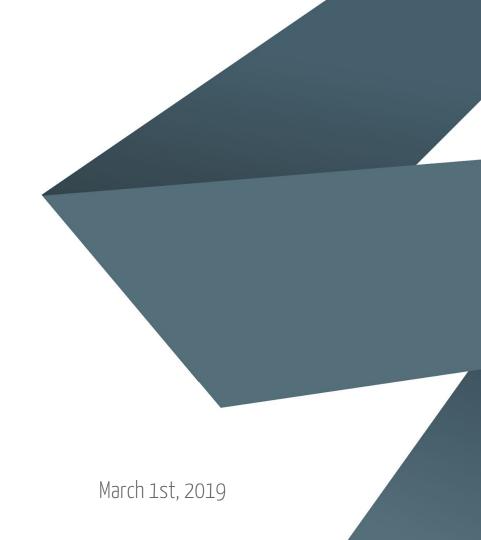


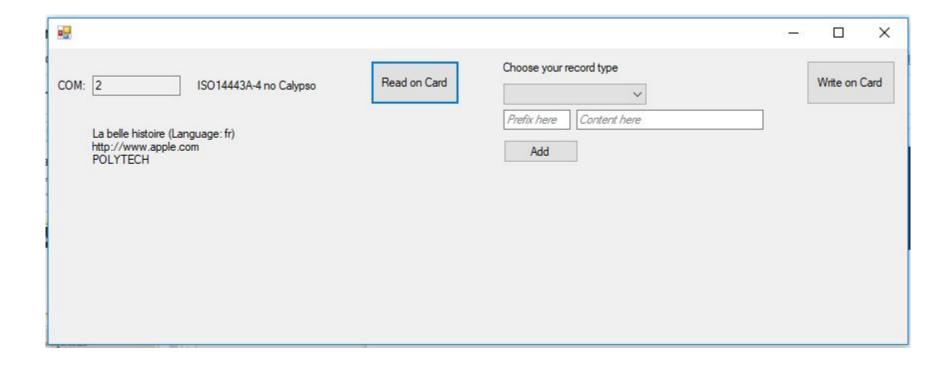
Smart Cards

Project presentation

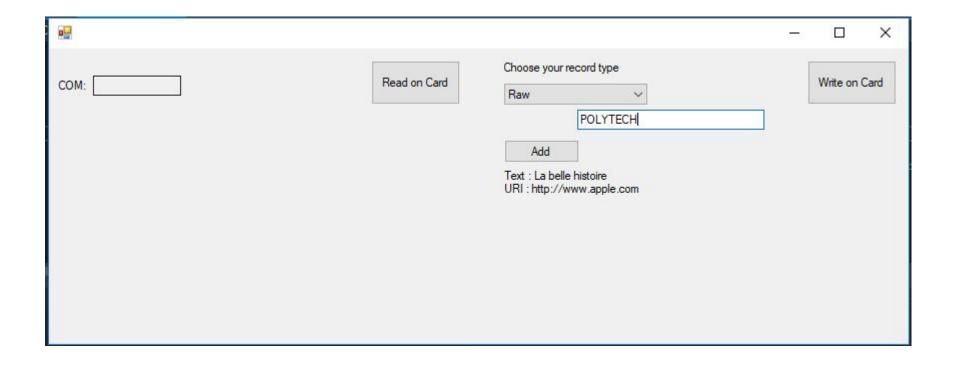
Loïc Gardaire - Johann Mortara SI5



Our application for reading



Our application for writing



Reading and writing on the card

Encountered problems and solutions

Writing:

Misunderstanding the meaning of the Lc value

Reading:

Dealing with Smart Posters

→ Using an index to separate records

Encountered problems and solutions

Standard understanding

- One of the first standards we had to implement
- Documentation not really clear sometimes
- Problems of conversion of bytes

Remaining problems

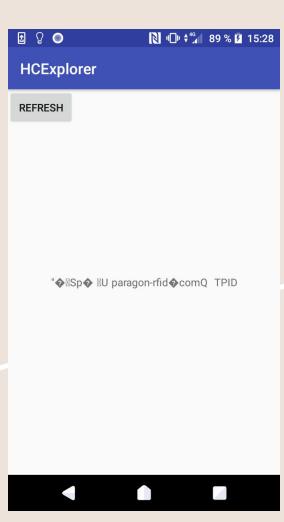
Error handling

Simple error handling, must be some cases not covered

Clean up

Need some clean up of the code in some parts

Android application



Encountered problems and solutions

- Java is **not** a good solution
- Bytes in Java are signed and their value is comprised in the interval
 [-128, 127]
 - → need to apply conversions
- Problems when storing data in the
 CC and NDEF files

Demonstration and conclusion