

# ANONYMIZATION AND ACCESS CONTROL OF FILES USING STEGANOGRAPHY TECHNIQUE

## 1 PROBLEMATIC

This project comes from the problem that everyone can see a pdf/image entirely once put online and that there is no more access control. We made it possible ! By defining access according to roles so that only a group of people have access to the information. To put this in place, we used our skills in steganography and web.



## 2 COLLECTING

The user enters the roles that will be able to access the hidden information. He selects the words he wants to hide by giving the roles that will have access to them.

## 3 HIDING

We hide everything necessary in the files by altering the color of a few pixels. We bring out a png obfuscate and a set of keys to the user to be able to recover the hidden words.



## 4 WRITTING

A user who received the obfuscate file and a key can use our application to retrieve the words. If the key is correct then we are able to rewrite the data in the right place and only for the role associated with the key.