Installation:

Configuring all system

$ sudo apt-get install python-dev imagemagick libffi-dev libssl-dev swig sqlite3 cryptsetup
$ sudo pip install virtualenv
$ git clone https://code.ua.pt/git/security2015-p2g5
$ cd security2015-p2g5
$ virtualenv venv
$. venv/bin/activate
(venv)$ pip install -r requirements.txt

Install middleware CC package:
$ dpkg -i cartaodecidadao-ubuntu-1.60.0-1608.x86_64.deb
$ sudo apt-get -f install **(if necessary)**

Import Certificate Authority to your browser:
- Go to Certificates/CertificateAuthority
- Open CA-IEDCS.pem with browser (firefox recommended)

Install Server Certificates **(on venv, without it, the server will fail)**:
You need to be on folder security2015-p2g5 and with venv activated
 (venv)$ ./install_server_certificates.sh

First time configuring Server

You will be asked to create a super user.

$ cd security2015-p2g5
$. venv/bin/activate
(venv)$ ./configure_server.sh

Start Server

You will be asked to insert the passphrase to mount the secure file which is "**iedcs**".

$ cd security2015-p2g5
$. venv/bin/activate
(venv)$ ./deploy-server.sh

Website

- First start Server
- Go to browser and open https://localhost:8000
- Now, it's just a normal website
  - Register (with the smartcard inserted on the smartcard reader)
  - Log in
  - Buy something
  - Logout

Start Player

Client Mode:
- First start Server
- Go to browser and open https://localhost:8000
  - Login
  - Click on "Hello <user>" on the right top corner
  - Click on "Get it here" to download the Player

After downloading, extract all the files and run Player.exe with the smartcard inserted on the smartcard reader. Note: may experience some problems with M2Crypto, PyKCS11 and Django Libraries depending in which OS and architecture the Nuikta is used. On ubuntu 64bits only M2Crypto has problems.

Developer Mode:
After registering a user, get the correspondent .zip on IEDCSServer/media/download and extract the /resources directory to the IEDCSPlayer directory .

$ cd security2015-p2g5
$. venv/bin/activate
(venv)$ cd IEDCSPlayer
(venv)$ python Player.py