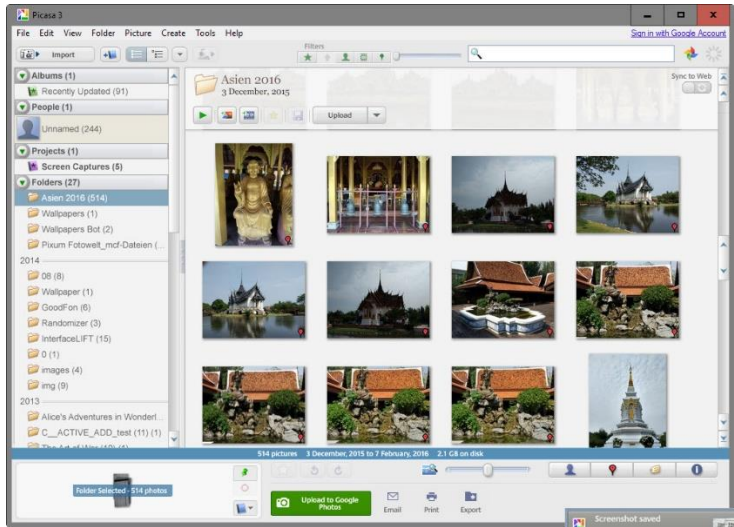


PYCTURES


The project

During the training of ES technicians in application development, the first project consists of creating an application for a user using Picasa.




Google having stopped maintenance of Picasa, the goal is to create an application that can do the same tasks.
The application must be able to rename photos according to their shooting date but also to modify the metadata.
Interesting metadata are tags, people, location, commentary and favorite.


Technologies




Python 2.7
Use to code




GitHub
Use for versioning




TKinter for Python
Use for GUI




Pycharm
IDE for Python




Python exiv2
Use to handle metadata



Markdown
Use for documentation



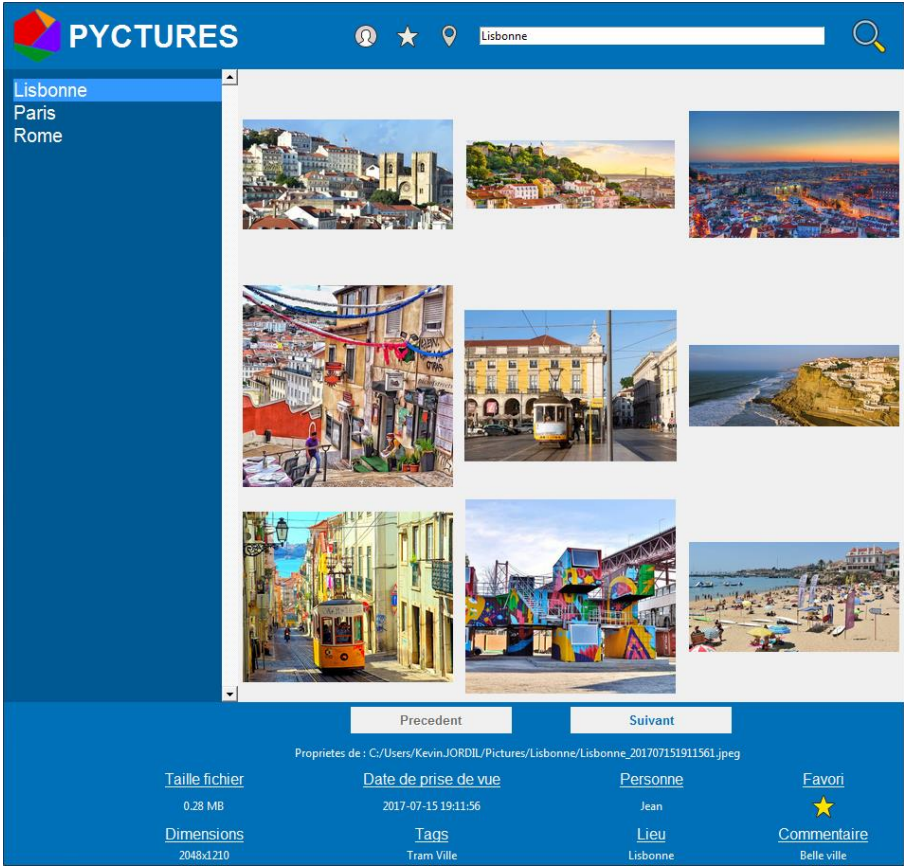
JSON
Use for better research



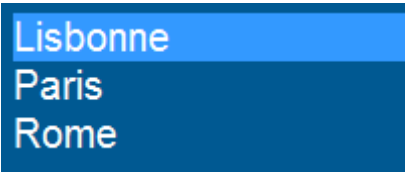
RegEx
Use to check file names

The result

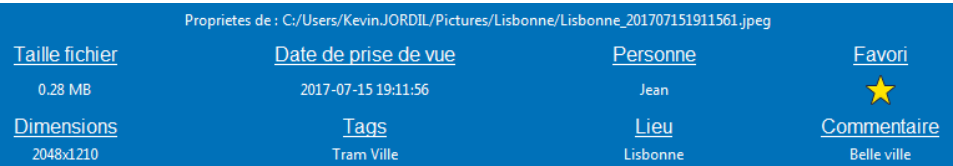
The application works, it displays photos of the user.



The left menu allows the user to change the photo folder at any time.



By clicking on an image, the user can edit the metadata of the image.



A search is also available. It allows searching in metadata. The function uses three filters: Person, Favorite, Location. By default, filters are disabled but the user can activate them.



The application renames all photos according to their shooting time

