X-Ray Tracker
User guidelines

The app screens each studies' directory in order to spot the different X-Rays and their statuses.

Each X-Ray can be declared either as:
- Valid: **Valid=yes**
- Problematic: **Valid=pb**
- Not Valid: **Valid=no**

For problematic X-Rays, a valid comment is often provided to explain the problem.

For each study, it says how many X-Rays there are and how many of them are valid or to be validated, and:
- Have a **completed track**: the tif, the num and the xls files are all available
- Is **Ready for measure**: have a tif file but no num file
- Is **Ready to verify:** have a num file but no xls file.
- Has a **missing tif**: The database is composed of X-rays having either dcm, num of xls files and no tif.

There're two extra databases buttons: **Problematic X-Rays** and **Not Valid X-Rays**

Good to know:

- If an information, comment or validation wants to be added, the user will have to go to the **Whole database page**, write the text he wants on the cell, press enter, then press the 'Save changes to the table' button.

- The Measure/Next Buttons open the first folder of the list, then the next following the list. Note that if you double click on a column, or right click and chose a type of sorting, the measure button will adapt to the new order and open the folders in that new order. Note that you must click on the Measure button before the next of nothing will open. The Verify/Next and Check folder/Next work the same way.

- Missing tif page: The Check folder/Next will only be displayed if the database is not empty. The database is composed of X-Rays having either dcm, num of xls files and no tif, and are declared as valid, or not declared as valid/pb/not-valid yet.

- The App isn't opening the Drive nonstop. It screens the directory when it's opened and when a dataframe is refreshed. Except for those two moments, the data is saved in a python dataframe (panda's library), which is then displayed in a pandastable table. You can open/modify anything on the drive it won't affect the app.

- The toolbar has many options, a lot of information are provided here.

- A console has been voluntarily left in order to explain if there's an error, even though it shouldn't be happening.

If you want to validate files from the csv file, you can, by opening this folder: **Y:\10 - Projects\02-Database managment\XRay Management Tracking Platform** and then open one of the **{StudyName}_ModifTable** and just modify and save. You should just keep the columns already displayed. Please note that those columns are really important, and none should be added/removed because it could create a problem with the App. The thing is, each study is different and therefore the app saves the changes in different ways for each of them. This is not due to a hardcoding of the database but more for respecting the studies' different formats. Here's a sum up of all the differences:

		PON	PEED	ScoliRisk	CTJ	NiH	MESA	PCD	Supine
	Directory	Study > Site> PON > O/NOp > Patients folders	Study > site >Patients folder	Study > site >Patients folder	Study > Patients Folders Only site: NYU	Study > site >Patients folder	Study > site >Patients folder	Study > site >Patients folder	Study >Patients folder Only site: HSS
	File name example	WUNPONY0081CS (I-01) 6wks.lat1	BAV-001 (I-00) base.2014.01.22.ap	BAU-018 (I-07) 2YR.2014.01.23.lat 1-2	NYUCT J0001-RZ (I-05) 1YR.cs.lat1	HS008 (I-00) baseline yyyy.mm.dd.ap	08-011 (I-00) base.2016.01.14.bendl.xls x	BSCPCDY0 002-DR (I-00) base.fs.lat 1	HSSSVS0302-ND (SUPINE) supine.2017.1 2.21.lat1
	View	.view or .typeview.view							
	Time index	(I-xx) **and** wk nbr							
Date	**Where**	Excel Imported	Name	Name	Excel **Not Imported**	Name	Name	Excel **Not Imported**	Name
	Consequence	• **If in name,** the saved 'last update' doesn't contain the date as a column: it's in the file name • **If not** (in excel), it saves the date every time it is entered in the table							

If you have any problem with the App, please let me know here :
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