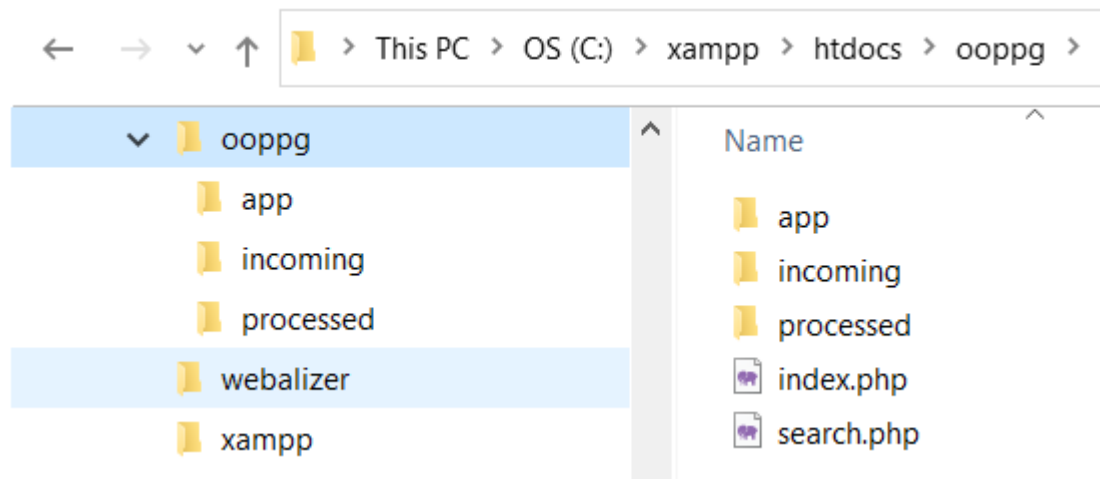Catalin Baron Damaschin

Project description

Project folder structure:

Important : first please create schema **books** you can find credential in app\database.ini file. You can find a copy of books.xml in the **processed folder**.

1. In the **app** folder there are two classes one for connecting to the PostgreSQL DB and one for CRUD operations and importing these classes in index.php file.

2. Index.php file connects to the DB books and creates the tables author and books if not exists.

3. The script is checking if a book.xml exists in the incoming folder. (If the file is not moved by the previous runs of the script the file is processed.)

4. The scripts open the file and write date for the author on the author table and books using one to many relation as requested.

We can say that a *unique* clause is applied on the creation of the tables and an *update* clause exists on inserting data from the xml file into DB.

5. After that the books.xml is moved to the **processed** folder and the file is renamed. The reasoning behind that is that the script index.php is created to run as a cron job and process all incoming xml files.

In search.php we can see the list of Authors and Titles and we can search for an author by name.

A future development of the script is to process *.xml file from incoming folder and insert data in DB. We should check if the file is open when a cron job tries to open a file that is currently in processing.