# Report lab 11

Tasks

1. Please install and test the assigned CMS. Prior to do so, please read carefully the attached to the CMS documentation.

2. If the assigned CMS doesn't work well, please feel free to select another one, among those which have not been assigned yet, providing the License is of GNU type.

3. Please indicate what are the necessary additional tools indispensable in order to make the CMS functional (additional privileges? Database management system? Others – like document management system or image management system? Etc.) .

Unfortunately Telerik Sitefinity CMS, Magnolia CMS need a license to be downloaded so I chose **Typo3** .

In order to install correctly Typo3 we need a PHP, a Web server, and a database management system.

To have all this I downloaded XAMPP that is an easy to install Apache distribution for Windows, Linux, and Mac. The package includes the Apache web server, MySQL, PHP, Perl, and other software.
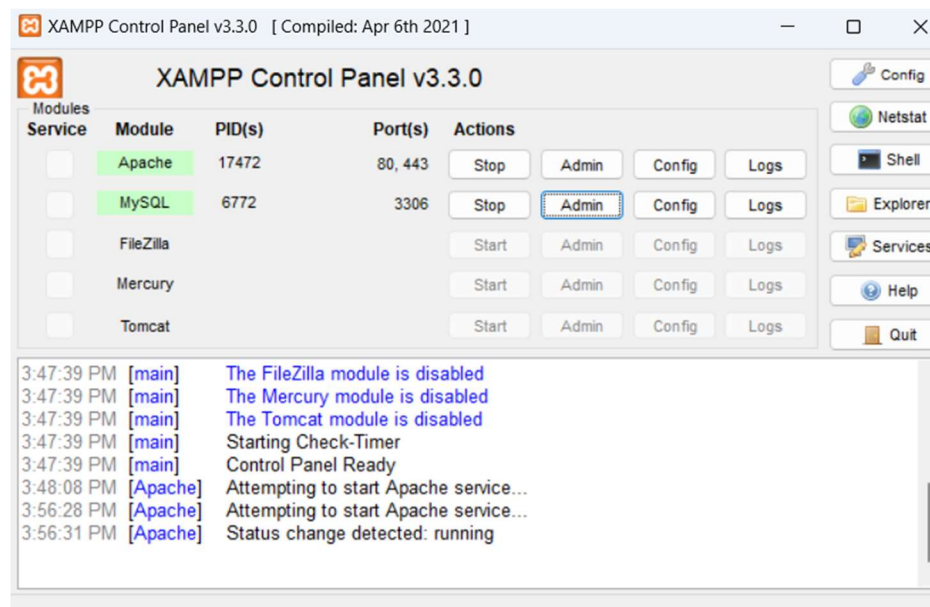
After this I downloaded from the official website of Typo3→ Typo3 12 LTE Version and I moved the folder installed(typo3) in the **htdocs (This folder is the so-called Document-Root of the server)** folder of xampp.
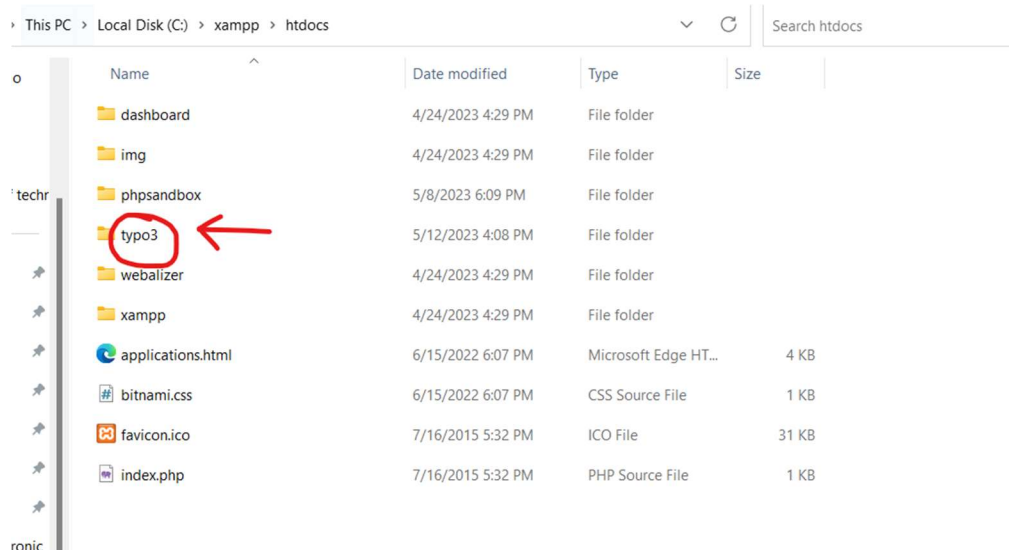
After this I tried to open the folder on the localhost in order to start typo3 installation:
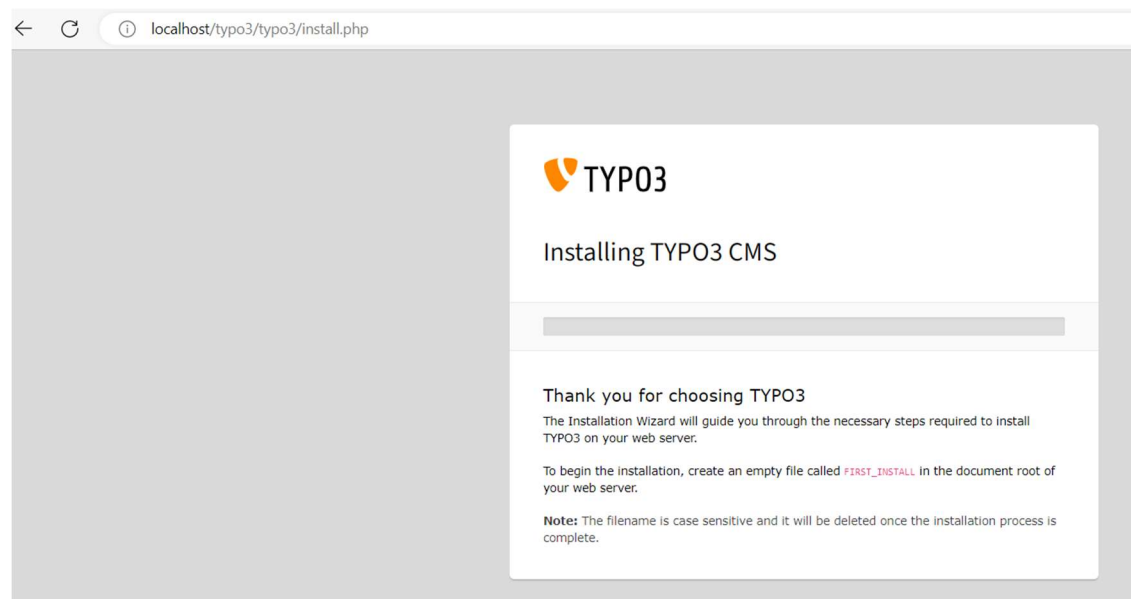
So as the installation required I create an empty file named FIRST_INSTALL in order to start the installation.

After the installation started lot of problems came out from it:

Problems Detected

PHP extension "gd" not loaded
TYPO3 uses the PHP extension "gd" but it is not loaded in your environment. Change your environment to provide this extension.

PHP extension "intl" not loaded
TYPO3 uses the PHP extension "intl" but it is not loaded in your environment. Change your environment to provide this extension.

PHP extension "zip" not loaded
TYPO3 uses the PHP extension "zip" but it is not loaded in your environment. Change your environment to provide this extension.

PHP GD library true color support missing
Gdlib is essential for TYPO3 CMS to work properly.

PHP GD library gif support missing
GD must be compiled with gif support. This is essential for TYPO3 CMS to work properly.

PHP GD library jpg support missing
GD must be compiled with jpg support. This is essential for TYPO3 CMS to work properly.

PHP GD library png support missing
GD must be compiled with png support. This is essential for TYPO3 CMS to work properly

PHP GD library freetype support missing
Some core functionality and extension rely on the GD to render fonts on images. This support is missing in your environment. Install it.

PHP GD library freetype2 support missing
The core relies on GD library compiled into PHP with freetype2 support. This is missing on your system. Please install it.

Current directory (./) is not within PHP include path
include_path = C:\xampp\php\PEAR Normally the current path '.' is included in the include_path of PHP. Although TYPO3 does not rely on this, it is an unusual setting that may introduce problems for some extensions.

Low PHP script execution time
max_execution_time=120 Your max_execution_time is low. While TYPO3 often runs without problems with 30 seconds, it may still happen that script execution is stopped before finishing calculations. You should monitor the system for messages in this area and maybe raise the limit to 240 seconds: max_execution_time=240

PHP max_input_vars very low
max_input_vars=1000 This setting can lead to lost information if submitting forms with lots of data in TYPO3 CMS (as the install tool does). It is highly recommended to raise this to at least 1500: max_input_vars=1500

Windows apache thread stack size
This current value cannot be checked by the system, so please ignore this warning if it is already taken care of: Fluid uses complex regular expressions which require a lot of stack space during the first processing. On Windows the default stack size for Apache is a lot smaller than on UNIX. You can increase the size to 8MB (default on UNIX) by adding the following configuration to httpd.conf and restarting Apache afterwards:
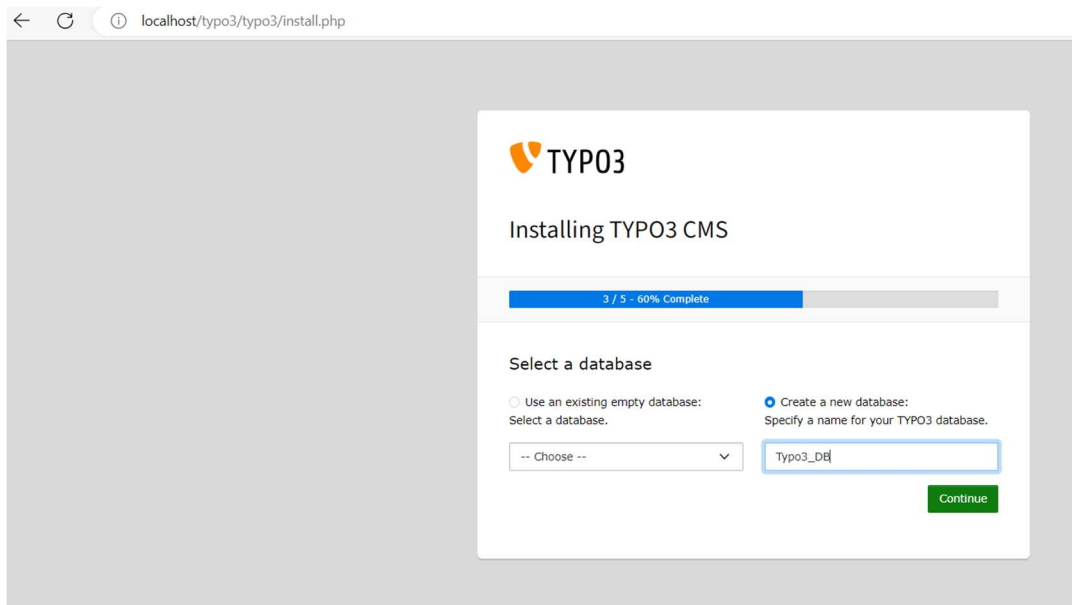<IfModule mpm_winnt_module>ThreadStackSize 8388608</IfModule>

So I opened the PHP folder in the xampp folder and I searched for the php.ini file in which I had to uncomment all the extensions to be used and I also modified some variables like:

max_execution_time- max_input_vars- include_path.

I also increased the default stack size for Apache to 8MB adding in the file **httpd.conf**(in the apache folder):
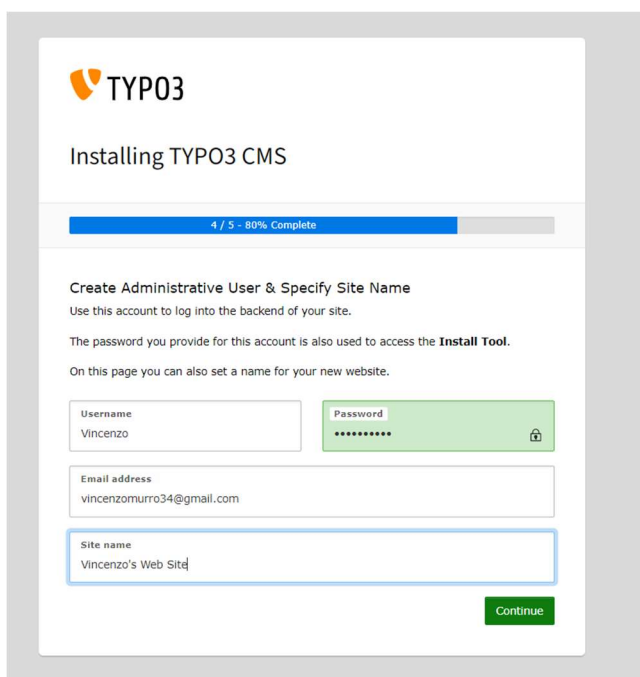
ThreadStackSize 8388608
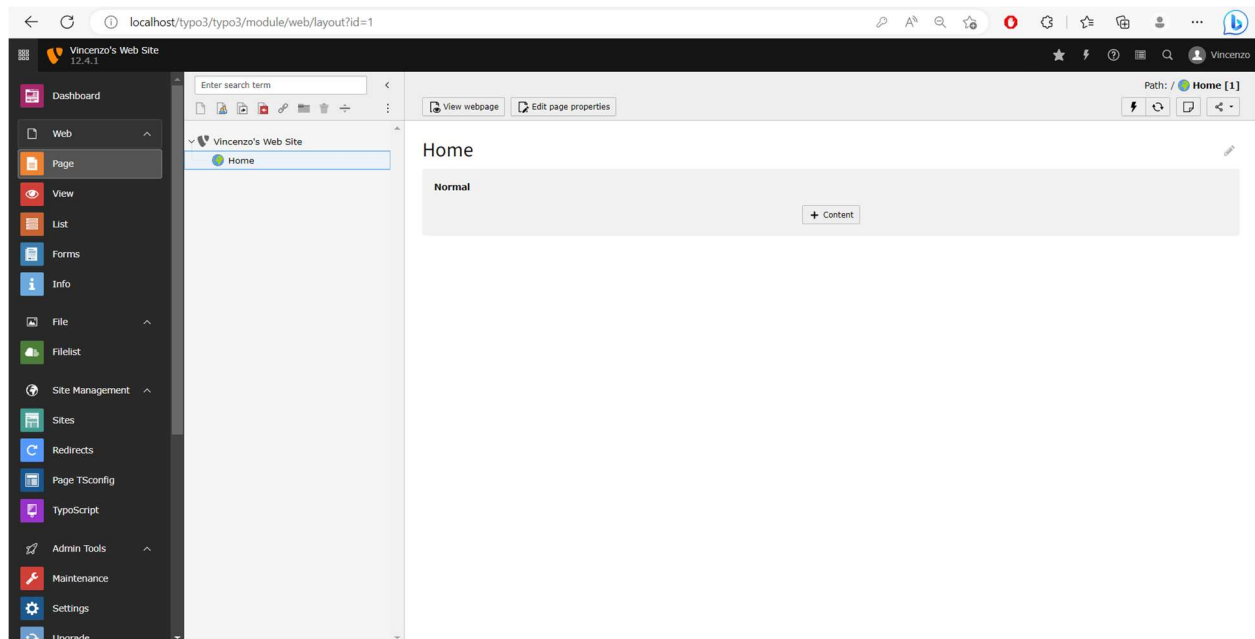
After this the installation continued:

So here I created a new database called Typo3_DB.

After the installation I created a default empty web page.

Result:

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