How to set up the Bootcamp PHP environment

Background

The way the environment has been set up should minimise the time you have to spend installing and setting up the tools.

Should you run into problems you can't overcome, contact us at *bootcamp@helmes.ee* and describe, what went wrong (if possible, include the error message).

Downloading and installing the tools

1. Install the XAMPP, PHP development platform

- Download and install **XAMPP** for Windows:
  https://www.apachefriends.org/download.html

- Keep the default settings upon install (next -> next –> next…)

2. Install the JetBrains PhpStorm, PHP development environment

- Download and install **JetBrains PhpStorm** (30-day *trial*):

  https://www.jetbrains.com/phpstorm/download

- Keep the default settings upon install (next -> next –> next…)

Setting up the development environment:

The tutorial video can be viewed at:

https://youtu.be/weQC-DVPVX8

We suggest you follow the video step by step, in order to avoid problems.

The following should help you keep up and understand what you are doing, but the details are in the video.

1. Unzip the source code

In the examples and video, the source code has been unzipped to C drive, we suggest you do the same.

2. Set up and run Apache HTTPD ja MySQL

• Run the XAMPP Control Panel

• Set the Apache HTTPD DocumentRoot to be the docroot folder of the bootcamp project

• Run Apache HTTPD and MySQL by clicking the Start button next to them

3. Create a database user and schema

• Start phpMyAdmin by clicking the Admin button next to MySQL or by clicking here.

• Import bootcamp.sql

4. Set up and run PhpStorm

• Set the path to php.exe

• Download composer.phar and set the path to composer.json

• Set the project folder metadata

• Set the PHP web application profile

• Add web server name and host

• Run and test

Updating the data model

1. Modifying database tables

- Start **phpMyAdmin.**
- To do that, open XAMPP Control Panel, make sure Apache and MySQL are *Started*
- Click the **Admin** button next to MySQL
- Open the Bookings schema on the left menu
- Make the necessary modifications
- Update the PHP model accordingly (in the src\Model folder) as described below

2. Updating the Doctrine data model

- A few examples:

http://doctrine-orm.readthedocs.org/projects/doctrine-orm/en/latest/reference/annotations-reference.html

- Once you've updated the PHP data model, update the database using the command line:
- Add PHP PATH: **SET PATH=c:\xampp\php;%PATH%**
- Navigate to project folder (nt. **cd c:\helmes-bootcamp\docroot**)
- Start the data model update **..\vendor\bin\doctrine.bat orm:schema-tool:update --force**

Getting started with MVC

•1. Introduction to MVC

• Study this link:

 https://en.wikipedia.org/wiki/Model%E2%80%93view%E2%80%93controller

• In this solution, you'll find the models in the src/Mode, views in the docroot/html and controllers in the src/Controller folder.