Install PHP MongoDB driver on Mac system MAMP

Install mongodb

1) Install Homebrew
You're going to need a package manager. I recommend Homebrew:

```
ruby -e "$(curl -fsSL https://raw.github.com/mxcl/homebrew/go)"
```

2) Install MongoDB
First you must add /usr/local/bin to the beginning of the $PATH in Terminal (learn more about this here):

```
export PATH=/usr/local/bin:$PATH
```

3) Then install Mongo:
```
brew install mongodb
```

4) Start MongoDB
In Terminal enter

```
mongod
```

to start Mongo.

You can access the Mongo shell by entering

```
Mongo
```

into a new Terminal window.

Install PHP MongoDB driver

Pre-requirments
Xcode Command Line Tools is needed. If you don't have Xcode installed then go ahead and install it. Open it and go to `Preferences > Downloads`

To to `http://www.php.net/downloads.php` and download PHP

Once you've decompressed the archive, copy all of the files into `/Applications/MAMP/bin/php/php5.x.x/include/php` (create the /include and /php directories if they don't exist).

Now navigate to that directory in Terminal and run the configuration:

```
cd /Applications/MAMP/bin/php/php5.x.x/include/php

./configure
```

Install MongoDB driver
1) First, add MAMP's /bin directory to the beginning of the $PATH, obviously

   replacing php5.x.x with your version of PHP:

```
export PATH=/Applications/MAMP/bin/php/php5.x.x/bin:$PATH
```

2) Then go into that directory:

```
cd /Applications/MAMP/bin/php/php5.x.x/bin
```

3) Now that you're here, you can use Pear to install the PHP MongoDB driver (see the bottom of

   this post if you get the 'make' failed error):

```
sudo pecl install mongo
```

4) Edit php.ini

Add extension=mongo.so to your /Applications/MAMP/bin/php/php5.x.x/conf/php.ini file.

NOTE: for MAMP 3.0 version. You have to edit php.ini file in MAMP.

go into the MAMP Pro application and choose

```
File > Edit Template > PHP > PHP 5.6.2 php.ini
```
, which will open up that location directly for editing. Find the list of extensions there, and add:

```
extension=mongo.so
```

5) Restart MAMP

This is a simple one. Just stop and then restart MAMP from via the MAMP interface.

6) Check MongoDB model

you could put a php file with the contents:
<?php phpinfo() ?>

If there is a section named mongo, it means you have successfully installed mongoDB driver for php on MAMP now.

You can create a php scripts with the code below to test it.

```php
<?php

// connect
$m = new MongoClient();

// select a database
$db = $m->comedy;

// select a collection (analogous to a relational database's table)
$collection = $db->cartoons;

// add a record
$document = array( "title" => "Calvin and Hobbes", "author" => "Bill Watterson" )
;
$collection->insert($document);

// add another record, with a different "shape"
$document = array( "title" => "XKCD", "online" => true );
$collection->insert($document);

// find everything in the collection
$cursor = $collection->find();

// iterate through the results
foreach ($cursor as $document) {
    echo $document["title"] . "\n";
}

?>
```

Manually install mongo package

1) Go to https://pecl.php.net/package/mongo to dowload the latest package (1.1.3)

2) Unzip and open README.md file. Instructions are simple:

3) Install package:

$ phpize

$ ./configure

$ make

$ sudo make install

4) This will create the 'mongo.so' file in the /modules dir. Copy this over to your MAMP extensions directory. You can find the location in your php.ini file. On my machine the path is '/Applications/MAMP/bin/php5.3/lib/php/extensions/no-debug-non-zts-20090626/.' This will also copy the 'mongo.so' file to '/usr/lib/php/extensions/no-debug-non-zts-20090626/mongo.so.'

5) Add the following to your php.ini file found in your MAMP installation:

```
extension=mongo.so
```
NOTE: for MAMP 3.0 version. You have to edit php.ini file in MAMP.

go into the MAMP Pro application and choose

```
File > Edit Template > PHP > PHP 5.6.2 php.ini
```
, which will open up that location directly for editing. Find the list of extensions there, and add:

```
extension=mongo.so
```

6) Start MAMP

Installing on Windows

Precompiled binaries for each release are available from https://pecl.php.net/package/mongo for a variety of combinations of versions, thread safety, and VC libraries. Unzip the archive and put php_mongo.dll in your PHP extension directory ("ext" by default).

Add the following line to your php.ini file:

```
extension=php_mongo.dll
```
Note: Additional DLL dependencies for Windows Users

In order for this extension to work, there are DLL files that must be available to the Windows system PATH. For information on how to do this, see http://php.net/manual/en/faq.installation.php#faq.installation.addtopath