MongoDB and Laravel with Docker

Docker Compose

```
version: '3'
services:
          - 80:80
           - ./:/var/www/html
      networks:
          - 8081:8081
```

Docker file PHP

```
&& rm -rf /var/cache/apk/*
```

Docker file NGINX

```
FROM nginx:stable-alpine
ADD ./nginx/default.conf /etc/nginx/conf.d/default.conf
```

NGINX default.conf

```
upstream php {
   server unix:/tmp/php-cgi.socket;
  server php:9000;
server {
  listen 80;
   server name wordpress-docker.test;
  root /var/www/html/public;
   index index.php;
       try files $uri $uri/ /index.php?$args;
   location ~ \.php$ {
       include fastcgi.conf;
       fastcgi_intercept_errors on;
      fastcgi pass php;
   location ~* \.(js|css|png|jpg|jpeg|gif|ico)$ {
      expires max;
      log not found off;
```

Laravel config/database.php

```
'mongodb' => [
    'driver' => 'mongodb',
```

```
'host' => env('MONGO_DB_HOST'),
'port' => env('MONGO_DB_PORT', 27017),
'database' => env('MONGO_DB_DATABASE'),
'username' => env('MONGO_DB_USERNAME'),
'password' => env('MONGO_DB_PASSWORD'),
'options' => []
],
```

Laravel .env

Add the local IP of the mongo container.

List with the command docker inspect ID_Container | grep IP

```
MONGO_DB_HOST=192.168.96.3

MONGO_DB_PORT=27017

MONGO_DB_DATABASE=mongoproject

MONGO_DB_USERNAME=root

MONGO_DB_PASSWORD=gustavo
```

Laravel app providers

```
Jenssegers\Mongodb\MongodbServiceProvider::class,
```

Laravel Model Example

```
c?php

namespace App\Models;

use Illuminate\Database\Eloquent\Factories\HasFactory;

use Jenssegers\Mongodb\Eloquent\Model as Model;

class Post extends Model
{
   use HasFactory;
   protected $connection = 'mongodb';
   protected $collection = 'posts';
   protected $fillable = [
        'title','content'
   ];
}
```

Disable auth on API routes

Script: app/Http/Middleware/VerifyCsrfToken.php

Add the route in the except array

Docker commands

```
docker-compose up -d --build
docker exec -it mongolaravel_php_1 sh
apk update
apk add composer
composer require jenssegers/mongodb
docker exec -it mongolaravel_nginx_1 sh
chmod -R 777 /var/www/html/storage/
```

Result GET

