Documentation

UOBS Portal Development

In Laravel 7

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**Chapter 1**

Installing and Setting Laravel 7 for the tourism.

# Installation

Installing Laravel

Install the composer setup from.

<https://getcomposer.org/>

Navigate to the folder where you have to create the laravel project and in cmd.

composer create-project --prefer-dist laravel/laravel blog

# Authentication

Laravel provides authentication packages with React and VUE. We are installing it with VUE. Type the following commands in the CMD prompt.

composer require laravel/ui

php artisan ui vue --auth

# Session Setup

Session Setup to change from file system to database

Change the session driver from in .env file

SESSION\_DRIVER=database

Also Change in config/database.php

'default' => env('DB\_CONNECTION', 'database'),

# Setting NWIDART Module

For modularization the nwidart package is used

<https://nwidart.com/laravel-modules/v6/introduction>

Nwidart Installation Guide

Type in CMD

composer require nwidart/laravel-modules

Then

php artisan vendor:publish --provider="Nwidart\Modules\LaravelModulesServiceProvider"

After that add the line in composer.json as

{

"autoload": {

"psr-4": {

"App\\": "app/",

"Modules\\": "Modules/"

}

}

}

Then type in CMD

composer dump-autoload

* Divide in modules
* Creating Architecture
* Relating Modules Relationships

## Creating Module

To create a module type this in CMD

php artisan module:make <module-name>

To create multiple modules type

php artisan module:make Blog User Auth

link for documentation is

<https://nwidart.com/laravel-modules/v6/basic-usage/creating-a-module>

add the following in the config/app.php providers

Nwidart\Modules\LaravelModulesServiceProvider::class,

This line in the aliases

'Module' => Nwidart\Modules\Facades\Module::class,

# Encryption

Create a trait for encryption and decryption of data while inserting and retrieving data in to database. No need to explicitly add the functions on every CRUD or in models just specify the columns to be encrypted in the modal.

Trait is in the file [traits/customized encryption trait .php](Traits/customized%20encryption%20trait%20.php) and the helper function is [traits/helper\_function.php](Traits/helper_function.php) file. After creating helper function add the lines to autoload in composer.json as.

"files": [

"app/Http/helper.php"

],

Then type in CMD

composer dump-autoload

We can specify the columns to be encrypted as below is the models.

use App\Traits\EncryptTrait;

class Post extends Model

{

use EncryptTrait;

protected $encrypts = ['name', 'description'];

While in the controller we will use the helper function to perform queries. As below

$posts=Post::where('name',encryptss('12345'))->get();

Creating Two Modules

php artisan module:make common

php artisan module:make LMS

Making modules

php artisan module:make-model lms-lectures -m LMS

php artisan module:make-model lms-lectures\_file -m LMS

creating controller

php artisan module:make-controller LecturController LMS

adding the attributes to the models