Important Notes and tasks to be performed in the Tourism WEB APP UOBs.

Points randomly collected as discussed.

# Form Validation (Front End and Backend)

* Front end JavaScript validation
  + Testing passed data
  + Function based
  + Document
    - Arguments
    - Working of the function
    - Return type
* Backend Validation
  + Laravel provides default validation

# Logging

* Important logging
  + Stored in database
  + Secured
  + Includes
    - Adding
    - Deleting
    - editing
* Normal Logs
  + Stored in file based
  + Stored only of a month

Add it to the controller

use Illuminate\Support\Facades\Log;

Create logs as your need as below and level required

Log::info('Created new blog'.$post->id.' by : '.$request->player);

Log::emergency('Created new blog'.$post->id.' by : '.$request->player);

Log::alert('Created new blog'.$post->id.' by : '.$request->player);

Log::critical('Created new blog'.$post->id.' by : '.$request->player);

Log::error('Created new blog'.$post->id.' by : '.$request->player);

Log::warning('Created new blog'.$post->id.' by : '.$request->player);

Log::notice('Created new blog'.$post->id.' by : '.$request->player);

Log::debug('Created new blog'.$post->id.' by : '.$request->player);

Logs are stored in the Storage/Logs of laravel files.

Different files are created on daily basis.

Error logs are automatically saved

# Module

For modularization the nwidart package is used

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

Nwidart Installation Guide

Type in composer

composer require nwidart/laravel-modules

then

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

after that edd 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

# Encryption Module

Source Answer 6

<https://stackoverflow.com/questions/49503230/encryption-and-decryption-in-laravel-5>

Modules

<https://packagist.org/packages/dustapplication/laravel-database-model-encryption>

# Traits Defining for Working

Traits should be defined for reuse.

* Traits List
  + Encryption Trait
  + Image Upload
  + Video Upload
  + File Upload

# Session Handling Using the database

* Creating Admin site view of session data
* Count number of login users

Session Setup for database

Change in .env file

SESSION\_DRIVER=database

Change in config/database

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

# Security

* Throttling
  + Throttling users blocking
  + Adding throttling IPs in the black list
  + Blocking repeatedly throttling users
* SQL injection analysis with form input data .
  + Create algorithm to test the input data for SQL injection.
  + If SQL injection exit block/Report user, Blacklist IP

# Deployment

* Turn off Debug mode

From .env Set APP\_DEBUG  to false

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