Unit 2 :- Advanced PHP

→ Web Services Architecture ✓ → Mail function ✓

→ Regex + Advr Operators prey-match, split; quota, replace

→ PCRE+ Example → ~~Session~~ Management

SMTP-Smtp.gmail.com

Smtp-path SC 2

sendmail-from:

sendmail-path: sendmail.exe

PHP M.? VC FW ✓   Controller

→ PHP MVC (FW) ✓   Database
           Arch.   #

→ Controller in Laravel + Example

→ Reg & Res in Laravel

→ Session in Laravel & Cookie in Laravel

→ CSRF Data Validator

```
Route :: get ('/', function () {
    return view ('welcome');
});
```

welcome.blade.php

→ Laravel? PHP Web-FW → MVC arch.

   → <u>Framework</u> : Coll^n of methods, classes, files

   → <u>Architecture</u> : Specific design pattern

→ Composer? Dependency manager → manages dependencies and libraries

  ° CLI → install dep^n & libs

  ° Packagist: Library

  ° composer require vendor/package name.

PHP <u>Artisan</u> <u>Serve</u>
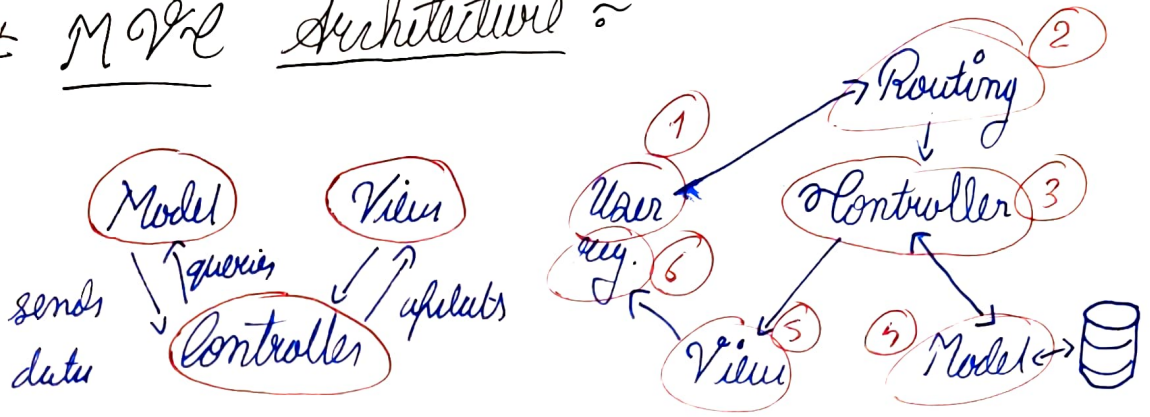
127.0.0.1/8000

→ Some I.M.P. Paths

  ° app/Http/Controllers

  ° @ database/migration

  ° resources/views/welcome.blade.php.

  ° routes/web.php

MVC Architecture :-

Model   View   1 User   2 Routing
reg.   6   Controller 3
sends   ↑ queries   ↓ ↑ updates
data   Controller   View 5   4 Model ⟷ 🛢

→ Model :- Manages fundamental behaviour + data of application

↳ responds to :- req. for info., Δ state of its info., & notify observers in event driven sys;

↳ It can be DB, DS's / Storage System Data / Data Mgmt Apps.

→ View :- Data —render→ from Model —present→ User UI

→ Controller :- Receive user i/p —call→ model + view handle ↵ data & send it to appropriate recipient

Artisan Console :- CLI - Laravel - Symfony - Console

• php Artisan list   • php artisan help migrate

```
Route:: get ('/', function() {
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```

Controller :- Routing :- How an client request
 - URL's - HTTP methods is responded by Server.
 - Actions   to a particular endpoint

Controller :- Handles reque and its behaviour
 from incoming routes.

- app / Http / Controllers
  ※ Business Logic
     in Controller

- Manage (DB) ofr (GUI's
- Session & (cookie) Mgmt

O php artisan make: controller <Users>

use   Illuminate \ HTTP \ Request.   Evernote

~ Views :

-> What? GUI Part is dealt

--> Resources / Views / Welcome. Blade. php *Default

Route :: view ('/route-name' , '<View_Name>')

~~Route :: view~~ ('/add/{n}/{m}
return

return view ('add' , ['Name' => 'jenny']);

HTTP Request & Response :

var_dump ($req)

$req -> url() , full url() , path() , method()

, query() , ismethod ()

CSRF -> Cross Site Request Forgery

⌐ unauthorized command used by fraud user

⌐ auto token generation - by csrf prevention middle
ware
per /user active session

Laravel & Database :-

- Host
- Port
- DB
- Username & Password

use Illuminate/Support/Facades\DB;

config/database.php.

env file of Laravel

→ Evernote
Evernote is best
note taking App!

public fun DBSelect () {

$a = DB::Select('select * from user');

print_r($a);