




# laravel

## php & composer

```
sudo apt install php composer php-cli php-common php-mbstring php-xml php-zip php-mysql php-json php-bcmath php-curl php-gd php-tokenizer php8.1-xml php-fpm mariadb-server nginx
```

apache or nginxnginxphp-fpm

```
php -v
```

```
sudo apt install curl php-cli php-mbstring git unzip  
curl -sS https://getcomposer.org/installer | sudo php -- --install-dir=/usr/local/bin --filename=composer
```

```
composer --version
```

## install laravel

```
composer create-project --prefer-dist laravel/laravel your-project-name  
cd your-project-name
```

# install apache2 or nginx

## apache

```
sudo vi /etc/apache2/sites-available/your-project-name.conf
```

```
<VirtualHost *:80>  
    ServerName your-domain-or-ip  
    DocumentRoot /var/www/html/your-project-name/public  
    <Directory /var/www/html/your-project-name>  
        AllowOverride All  
    </Directory>
```

```
</VirtualHost>
```

```
sudo a2enmod rewrite
```

Enable the virtual host:

```
sudo a2ensite your-project-name.conf
```

Restart Apache for the changes to take effect:

```
sudo systemctl restart apache2
```

## nginx

```
sudo vi /etc/nginx/sites-available/your-project-name
```

```
server {
    listen 80 default_server;
    server_name your-domain-or-ip;
    return 301 https://$server_name$request_uri;
}

server {
    listen 443 ssl default_server;
    server_name your-domain-or-ip;

    include snippets/ssl;
    include snippets/ssl;

    root /var/www/html/your-project-name/public;
    index index.php;

    location / {
#       try_files $uri $uri/ /index.php?$query_string;
        try_files $uri $uri/ /index.php?$args;
    }

    error_page 404 /404.html;
    error_page 500 502 503 504 /50x.html;
    location = /50x.html {
```

```
root /var/www/html;
```

```
}
```

```
location ~ /\.php$ {
```

```
    include snippets/fastcgi-php.conf;
```

```
#    With php-fpm (or other unix sockets):
```

```
    fastcgi_pass unix:/var/run/php/php8.1-fpm.sock;
```

```
    fastcgi_index index.php;
```

```
    fastcgi_param SCRIPT_FILENAME $document_root$fastcgi_script_name;
```

```
    include fastcgi_params;
```

```
#    # With php-cgi (or other tcp sockets):
```

```
#    fastcgi_pass 127.0.0.1:9000;
```

```
}
```

```
# deny access to .htaccess files, if Apache's document root
```

```
# concurs with nginx's one
```

```
#
```

```
add_header X-XSS-Protection "1; mode=block";
```

```
#    add_header 'Access-Control-Allow-Origin' *;
```

```
#    add_header 'Access-Control-Allow-Credentials' true;
```

```
#    add_header Strict-Transport-Security "max-age=31536000; includeSubdomains; preload";
```

```
#    add_header Content-Security-Policy "default-src 'self' http: https: data: blob: 'unsafe-inline'" always;
```

```
location ~* \.(jpg|jpeg|gif|png|svg)$ {
```

```
    expires 365d;
```

```
}
```

```
location ~* \.(pdf|css|html|js|swf)$ {
```

```
    expires 2d;
```

```
}
```

```
location ~ /\.ht {
```

```
    deny all;
```

```
}
```

```
location ~ ^/\.user\.ini {
```

```
    deny all;
```

```
}
```

```
location ~ /.well-known/acme-challenge {
```

```
root /var/www/html;  
    allow all;  
}  
  
location ~ /\.ht {  
    deny all;  
}  
}
```

Replace your-domain-or-ip with your actual domain name or server IP address.  
Enable the Nginx server block:

```
sudo ln -s /etc/nginx/sites-available/your-project-name /etc/nginx/sites-enabled/
```

Test the Nginx configuration for any syntax errors:

```
sudo nginx -t
```

Restart Nginx for the changes to take effect:

```
sudo systemctl restart nginx
```

## MariaDB

 MariaDB                         

MariaDB/MySQL     

```
sudo mysql_secure_installation
```

 root  MariaDB/MySQL 

```
sudo mysql -u root -p
```

## laravel

```
CREATE DATABASE laravel;  
CREATE USER `user`@`localhost` IDENTIFIED BY 'yourpassword';  
GRANT ALL ON laravel.* TO `user`@`localhost`;  
FLUSH PRIVILEGES;
```

☐ Laravel ☐ .env ☐

```
DB_DATABASE=laravel
DB_USERNAME=user
DB_PASSWORD=yourpassword
```

```
❏ .env ❏❏❏❏❏❏❏❏❏❏ config/database.php ❏❏❏❏❏
```

```
php artisan serve 1111 #111111118000
php artisan migrate    #11111111
php artisan about      #11111111
```

## Configure Laravel

```
cp .env.example .env
```

## Generate a new application key

php artisan key:generate

## Set the appropriate permissions on Laravel directories

```
sudo chown -R www-data:www-data /var/www/html/your-project-name/storage
sudo chmod -R 775 /var/www/html/your-project-name/storage
```

# Laravel Breeze

```
composer require laravel/breeze --dev # Breeze
```

[illegible]

```
sudo apt install npm
sudo apt install nodejs
```

[illegible]

```
curl -fsSL https://deb.nodesource.com/setup_18.x | sudo -E bash -
sudo apt-get install -y nodejs
php artisan breeze:install
php artisan migrate
npm install
```

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|

```
npm run dev
```

# php artisan

```
php artisan env:encrypt #■■■■■
```

□□□□□□.env□□□.env.encrypted□□□□□□□□□□□□□□□□

```
php artisan env:encrypt --key=
```

```
php artisan env:decrypt #
```

**key**

```
php artisan env:decrypt --force
```

```
php artisan serve #webagent8000port
```

```
php artisan serve # [ ] webagent [ ] [ ] [ ] [ ] 8000port
```

## mode database

```
make:model->migrate->make:factory->make:seeder->db:seed->make:controller->create view-  
>set route
```

```
php artisan make:model Movie -m
```

php artisan migrate #

```
php artisan make:migration create_table table #table
```

```
php artisan make:migration create_aboutme_photo --table=aboutme
```

```
php artisan migrate:status #■■■■■
```

```
php artisan migrate--rollback #□□□□
```

```
php artisan migrate:refresh #■■■■■■■■■■
```

# Factory

```
php artisan make:factory MovieFactory --model=Movie
```

## Seeder

```
php artisan make:seeder MovieSeeder
```

## Controller

```
php artisan make:controller MovieController
```

```
php artisan down
```

```
php artisan down
```

```
php artisan down
```

```
php artisan down --refresh=(...) 
```

```
php artisan down --render="errors::503" 503 view
```

```
php artisan up
```

```
php artisan up
```

```
php artisan down --secret="1630542a-246b-4b66-afa1-dd72a4c43515"
```

```
php artisan down --secret="1630542a-246b-4b66-afa1-dd72a4c43515"
```

```
php artisan down --secret="1630542a-246b-4b66-afa1-dd72a4c43515"
```

## Job

```
php artisan make:job
```

```
php artisan make:job 
```

## Route

```
php artisan route:list
```

```
php artisan route:list
```

1. **--except-vendor** route
2. **--only-vendor**
3. **-v** Route Middleware
4. **--path=api cjo4vu04g4eo32u/4**
5. **URI** Route

```
php artisan vendor:publish --tag=laravel-pagination
```

📄📄📄📄 **tailwindcss** 📄📄📄 **bootstrap**

📄📄📄📄 **Laravel** 📄📄📄📄📄 **resources/views/vendor/pagination**

📄📄 cache

```
php artisan cache:clear
```

```
php artisan route:clear
```

```
php artisan view:clear
```

## Route📄📄

```
Route::get($uri, $callback);
```

```
Route::post($uri, $callback);
```

```
Route::put($uri, $callback);
```

```
Route::patch($uri, $callback);
```

```
Route::delete($uri, $callback);
```

```
Route::options($uri, $callback);
```

```
Route::match(['get', 'post'], '/', function () {
```

```
    // ...
```

```
});
```

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

```
    // ...
```

```
});
```

📄📄📄📄

```
Route::redirect('/here', '/there');
```

```
Route::redirect('/here', '/there', 301);
```

```
Route::permanentRedirect('/here', '/there');
```

📄📄📄📄📄 users/index 📄📄

```
redirect()->to("users/index");
```

📄📄📄📄📄📄📄📄📄📄📄📄

```
redirect("users/index");
```



#####

```
Redirect::to("users/index");
```

#####

```
Redirect("users/index");
```

```
Route::view('/welcome', 'welcome');
```

```
Route::view('/welcome', 'welcome', ['name' => 'Taylor']);
```

## to()

```
function to($to = null, $status = 302, $header = [], $secure = null)
```

\$to : #####

\$status : HTTP #

\$header : ##### HTTP #

\$secure : http vs. https #

## route()

```
function route($to = null, $parameters = [], $status = 302, $headers = [])
```

\$to : #####

\$parameters : #####

## withInput()

#####

```
redirect("users.edit")
```

```
->withInput()
```

```
->with(["success" => "update success", "id" => 2]);
```

## env()

#####

```
'debug' => env('APP_DEBUG', false),
```

#####

❏.env

```
APP_TIMEZONE='America/New_York'
```

❏app.php(❏❏❏❏❏❏1)

```
'timezone' => 'America/New_York',  
'timezone' => env('APP_TIMEZONE', 'UTC'),
```

**❏❏❏❏❏❏ artisan config:clear ❏❏❏**

❏❏❏❏

❏❏❏❏❏❏❏❏❏

```
<!DOCTYPE html>  
<html>  
<head>  
    <title>Laravel 10 Eloquent Model Search Example - ItSolutionStuff.com</title>  
    <meta name="csrf-token" content="{{ csrf_token() }}">  
    <link href="https://cdnjs.cloudflare.com/ajax/libs/twitter-bootstrap/5.0.1/css/bootstrap.min.css"  
rel="stylesheet">  
</head>  
<body>  
<div class="container">  
    <div class="card">  
        <div class="card-header">  
            <h2>Laravel 10 Eloquent Model Search Example - ItSolutionStuff.com</h2>  
        </div>  
        <div class="card-body">  
            <form class="row g-3" method="GET" action="{{ route('users.index') }}">  
                <div class="col-auto">  
                    <label for="search" class="visually-hidden">Search</label>  
                    <input type="text" class="form-control" id="search" placeholder="Search" name="search" value="{{  
request()->search }}">  
                </div>  
                <div class="col-auto">  
                    <button type="submit" class="btn btn-primary mb-3">Search</button>  
                </div>  
            </form>  
            <table class="table table-striped">
```

```

        <tr>
            <th>ID</th>
            <th>Name</th>
            <th>Email</th>
        </tr>
        @foreach ($users as $user)
            <tr>
                <td>{{ $user->id }}</td>
                <td>{{ $user->name }}</td>
                <td>{{ $user->email }}</td>
            </tr>
        @endforeach
    </table>
    {{ $users->links() }}
</div>
</div>
</div>
</body>
</html>

```

❏     **{{ \$users->links() }}**  
❏     **{{ \$users->links('pagination::bootstrap-5') }}**

❏❏❏❏❏❏❏❏

```

<!-- a Tag for previous page -->
<a href="{{ $employees->previousPageUrl() }}">
    <!-- You can insert logo or text here -->
</a>
@for($i=0;$i<=$employees->lastPage();$i++)
    <!-- a Tag for another page -->
    <a href="{{ $employees->url($i) }}">{{ $i }}</a>
@endfor
<!-- a Tag for next page -->
<a href="{{ $employees->nextPageUrl() }}">
    <!-- You can insert logo or text here -->
</a>

```

❏❏❏❏❏

```
$row = User::paginate(15);
```

url query withQueryString()

```
$row = User::where('name', 'LIKE', "%{$search}%")
->paginate(15)
->withQueryString();
```

xxx.com/user/keyword=xxx&page=2

fragment()

```
$row = User::where('name', 'LIKE', "%{$search}%")
->paginate(15)
->fragment('user_data') #
->withQueryString();
```

xxx.com/user/keyword=xxx&page=2#user\_data

Tailwindcss, Bootstrap

```
//app/Providers/AppServiceProvider.php #
use Illuminate\Pagination\Paginator; #
public function boot(){
    Paginator::useBootstrap(); #
}
/**
 * Get the validation rules that apply to the request.
 *
 * @return array
 */
public function rules()
{
    return [
        'title' => 'required|unique:posts|max:255',
        'body' => 'required',
    ];
}
```

```
required(1) unique: table(1)max:255 min:1
email(email(1) date(1) nullable(1))
mimes:png,jpg,jpeg,webp (1) decimal:0,2 (1) size:11 (1)
(1)form(1)enctype="multipart/form-data"
```

```
(1)
```

```
request()->validate([
    'password' => 'required|confirmed'
])
```

```
confirmed(1)
(1)password_confirmation(1)
```

```
<div class="form-group row">
    <label for="password-confirm" class="col-md-4 col-form-label text-md-right">Confirm Password</label>
    <div class="col-md-6">
        <input id="password-confirm" type="password" name="password_confirmation" required="required"
class="form-control">
    </div>
</div>
```

## Selects

```
(1)
```

```
$users = DB::table('users')->get();
foreach ($users as $user)
{
    var_dump($user->name);
}
```

```
(1)
```

```
$user = DB::table('users')->where('name', 'John')->first();
var_dump($user->name);
```

```
(1)
```

```
$roles = DB::table('roles')->lists('title');
```

```
(1) role (1) title (1)
```

```
$roles = DB::table('roles')->lists('title', 'name');
```

## □□□□ (Select Clause)

```
$users = DB::table('users')->select('name', 'email')->get();  
$users = DB::table('users')->distinct()->get();  
$users = DB::table('users')->select('name as user_name')->get();
```

## □□□□□□□□

```
$query = DB::table('users')->select('name');  
$users = $query->addSelect('age')->get();
```

## □□ where □□□

```
$users = DB::table('users')->where('votes', '>', 100)->get();
```

## □or□□□

```
$users = DB::table('users')  
    ->where('votes', '>', 100)  
    ->orWhere('name', 'John')  
    ->get();
```

## □□ Where Between

```
$users = DB::table('users')  
    ->whereBetween('votes', array(1, 100))->get();
```

## □□ Where Not Between

```
$users = DB::table('users')  
    ->whereNotBetween('votes', array(1, 100))->get();
```

## □□ Where In □□□

```
$users = DB::table('users')  
    ->whereIn('id', array(1, 2, 3))->get();  
  
$users = DB::table('users')  
    ->whereNotIn('id', array(1, 2, 3))->get();
```

## orderBy(Group By) Having

```
$users = DB::table('users')
    ->orderBy('name', 'desc')
    ->groupBy('count')
    ->having('count', '>', 100)
    ->get();
```

## Offset() Limit()

```
$users = DB::table('users')->skip(10)->take(5)->get();
```

## Joins

INNER join INNER  
Join

```
DB::table('users')
    ->join('contacts', 'users.id', '=', 'contacts.user_id')
    ->join('orders', 'users.id', '=', 'orders.user_id')
    ->select('users.id', 'contacts.phone', 'orders.price')
    ->get();
```

Left Join

```
DB::table('users')
    ->leftJoin('posts', 'users.id', '=', 'posts.user_id')
    ->get();
```

INNER join

```
DB::table('users')
    ->join('contacts', function($join)
    {
        $join->on('users.id', '=', 'contacts.user_id')->orWhere(...);
    })
    ->get();
```

INNER join where INNER join where orWhere contacts user\_id

```
DB::table('users')
    ->join('contacts', function($join)
```

```
{
    $join->on('users.id', '=', 'contacts.user_id')
    ->where('contacts.user_id', '>', 5);
})
->get();
```

## Where

Where

Where exists Laravel

```
DB::table('users')
    ->where('name', '=', 'John')
    ->orWhere(function($query)
    {
        $query->where('votes', '>', 100)
        ->where('title', '<>', 'Admin');
    })
    ->get();
```

SQL

```
select * from users
where exists (
    select 1 from orders where orders.user_id = users.id
)
```

Where

count max min avg sum

```
$users = DB::table('users')->count();
$price = DB::table('orders')->max('price');
$price = DB::table('orders')->min('price');
$price = DB::table('orders')->avg('price');
$total = DB::table('users')->sum('votes');
```

## Raw Expressions



raw expression SQL raw expression DB::

## Raw Expression

```
$users = DB::table('users')
    ->select(DB::raw('count(*) as user_count, status'))
    ->where('status', '<>', 1)
    ->groupBy('status')
    ->get();
```

```
DB::table('users')->increment('votes');
DB::table('users')->increment('votes', 5);
DB::table('users')->decrement('votes');
DB::table('users')->decrement('votes', 5);
```

```
DB::table('users')->increment('votes', 1, array('name' => 'John'));
```

```
DB::table('users')->insert(
    array('email' => 'john@example.com', 'votes' => 0)
);
```

(Auto-Incrementing) ID

ID insertGetId ID

```
$id = DB::table('users')->insertGetId(
    array('email' => 'john@example.com', 'votes' => 0)
);
```

```
DB::table('users')->insert(array(
    array('email' => 'taylor@example.com', 'votes' => 0),
    array('email' => 'dayle@example.com', 'votes' => 0),
));
```

□□

□□□□□□□□

```
DB::table('users')
    ->where('id', 1)
    ->update(array('votes' => 1));

Invoices::where('id', $id)->update($request->all());

Invoices::where('id', '>', 0)->update($request->all());
```

□□□

```
$data = DB::table('store_list')->where('ID',2)->where('area','□□')->get();
```

□□

□□□□□□□□

```
DB::table('users')->where('votes', '<', 100)->delete();
```

□□□□□□□□

```
DB::table('users')->delete();
```

□□□□

```
DB::table('users')->truncate();
```

## Unions

□□□□□□□□□□□□ (union) □□□□□□□□

```
$first = DB::table('users')->whereNull('first_name');

$users = DB::table('users')->whereNull('last_name')->union($first)->get();
```

unionAll □□□□□□□□ union □□□□□□□□

## □□□□ (Pessimistic Locking)

□□□□□□□□□□ SELECT □□□□□□□□□□

□□□□ SELECT □□□□□□ Share lock□□□□□□□□□□ sharedLock□

```
DB::table('users')->where('votes', '>', 100)->sharedLock()->get();
```

```
lockForUpdate() select lockForUpdate
```

```
SELECT lockForUpdate
```

```
DB::table('users')->where('votes', '>', 100)->lockForUpdate()->get();
```

```
remember
```

```
$users = DB::table('users')->remember(10)->get();
```

```
10
```

```
$users = DB::table('users')->cacheTags(array('people', 'authors'))->remember(10)->get();
```

## auth

```
use Illuminate\Support\Facades\Auth;  
auth()->user()
```

```
$results = Project::all()->orderBy("name");
```

```
$users = User::query()  
->orderBy('name', 'desc')  
->get();
```

```
$users = User::query()  
->orderBy('name', 'desc') // [tl! --]  
->orderByDesc('name') // [tl! ++]  
->get();
```

```
$users = User::query()  
->orderBy('name', 'desc')  
->orderBy('email', 'asc')  
->get();
```

```
$ordered = User::query()->orderBy('name');
```

```
$reorderedByEmail = $query->reorder('email', 'desc')->get();
```

if

```
if($request->digital_signature == 'APPROVED'){  
    // your code  
}  
elseif($request->digital_signature == 'NOT-APPROVED'){  
    // your code  
}
```

```
public function new_approvel_update(Request $request, $id)  
{  
    if($request->digital_signature == 'WITH DIGITAL SIGNATURE')  
    {  
        $input= Student::Where('delete_status','NOT DELETED')->find($id);  
        $input['center_approved'] = strtoupper ('APPROVED');  
        $input['date_of_join'] = $request->date_of_join;  
    }  
elseif($request->digital_signature == 'WITHOUT DIGITAL SIGNATURE') {  
    $input= Student::Where('delete_status','NOT DELETED')->find($id);  
    $input['center_approved'] = strtoupper ('NOT-APPROVED');  
    $input['date_of_join'] = $request->date_of_join;  
    }  
  
    $certificate->save();  
  
    return redirect('new_application')->with('success',' APPLICATION APPROVED SUCCESSFULLY .');  
}
```

```
Carbon::now()->format('d-m-Y')    #
```

## file storage

```
use Illuminate\Support\Facades\File;

$file_path = public_path('path/to/your/file.txt');
if (File::exists($file_path)) {
    File::delete($file_path);
    echo 'File deleted successfully.';
} else {
    echo 'File does not exist.';
}
```

## 

```
$files_to_delete = ['path/to/file1.txt', 'path/to/file2.txt', 'path/to/file3.txt'];

foreach ($files_to_delete as $file_path) {
    if (File::exists($file_path)) {
        File::delete($file_path);
        echo 'File deleted successfully: ' . $file_path . PHP_EOL;
    } else {
        echo 'File does not exist: ' . $file_path . PHP_EOL;
    }
}
```

## Download

```
use Illuminate\Support\Facades\Storage;

public function downloadFile($id){
    $path = Student::where("id", $id)->value("file_path");
    return Storage::download($path);}

public function downloadFile()
{
    $file_path = public_path('path/to/file.pdf');
    $file_name = 'custom_file_name.pdf';

    return response()->download($file_path, $file_name);
}
```

```
}
```



```
<?php
namespace App\Http\Controllers;
use Illuminate\Http\Request;
use App\Models\File;
class FileUpload extends Controller
{
    public function createForm(){
        return view('file-upload');
    }
    public function fileUpload(Request $req){
        $req->validate([
            'file' => 'required|mimes:csv,txt,xlx,xls,pdf|max:2048'
        ]);
        $fileModel = new File;
        if($req->file()) {
            $fileName = time().'.'.$req->file->getClientOriginalName();
            $filePath = $req->file('file')->storeAs('uploads', $fileName, 'public');
            $fileModel->name = time().'.'.$req->file->getClientOriginalName();
            $fileModel->file_path = '/storage/' . $filePath;
            $fileModel->save();
            return back()
                ->with('success','File has been uploaded.')
                ->with('file', $fileName);
        }
    }
}
```

hash

```
$user->forceFill([
    'password' => Hash::make($request->password),
    'remember_token' => Str::random(60),
])->save();
```

hash

```
if (Hash::check('plain-text', $hashedPassword)) {  
}
```

## Left()

```
select left(dffgrrew,3)    #dfgrw
```

## right()

```
select right(dffgrrew,3)   #grw
```

## substring()

```
select substring(dsafwegre,3,4)  #fgrw  
select substring(dsafwegre,3)    #fgrw  
select substring(dsafwegre,-3)   #fgrw  
select substring(dsafwegre,-4,2) #fgr  
select substring(dsafwegre,w,2)  #grw  
select substring(dsafwegre,w,-2) #grw
```

dfgrw

# Excel Import/export

```
composer require maatwebsite/excel
```

Import/Export app

```
php artisan make:import UsersImport --model=User
```

app/Imports/UsersImport.php

```
<?php  
  
namespace App\Imports;  
  
use App\Models\User;  
use Maatwebsite\Excel\Concerns\ToModel;  
use Maatwebsite\Excel\Concerns\WithHeadingRow;  
use Hash;
```

```

class UsersImport implements ToModel, WithHeadingRow
{
    /**
     * @param array $row
     *
     * @return \Illuminate\Database\Eloquent\Model|null
     */
    public function model(array $row)
    {
        return new User([
            'name' => $row['name'],
            'email' => $row['email'],
            'password' => Hash::make($row['password']),
        ]);
    }
}

```

```
php artisan make:export UsersExport --model=User
```

app/Exports/UsersExport.php

```

<?php

namespace App\Exports;

use App\Models\User;
use Maatwebsite\Excel\Concerns\FromCollection;
use Maatwebsite\Excel\Concerns\WithHeadings;

class UsersExport implements FromCollection, WithHeadings
{
    /**
     * @return \Illuminate\Support\Collection
     */
    public function collection()
    {
        return User::select("id", "name", "email")->get();
    }
}

```



```

* Write code on Method
*
* @return response()
*/
public function headings(): array
{
    return ["ID", "Name", "Email"];
}
}

```

```
php artisan make:controller UserController
```

app/Http/Controllers/UserController.php

```

<?php
namespace App\Http\Controllers;

use Illuminate\Http\Request;
use App\Exports\UsersExport;
use App\Imports\UsersImport;
use Maatwebsite\Excel\Facades\Excel;
use App\Models\User;

class UserController extends Controller
{
    /**
     * @return \Illuminate\Support\Collection
     */
    public function index()
    {
        $users = User::get();
        return view('users', compact('users'));
    }

    /**
     * @return \Illuminate\Support\Collection
     */
    public function export()
    {
        return Excel::download(new UsersExport, 'users.xlsx');
    }
}

```

```

    }

    /**
     * @return \Illuminate\Support\Collection
     */
    public function import()
    {
        Excel::import(new UsersImport,request()->file('file'));
        return back();
    }
}

```

## routes/web.php

```

<?php

use Illuminate\Support\Facades\Route;
use App\Http\Controllers\UserController;

/**
|-----|
| Web Routes
|-----|
| Here is where you can register web routes for your application. These
| routes are loaded by the RouteServiceProvider within a group which
| contains the "web" middleware group. Now create something great!
|
*/

Route::controller(UserController::class)->group(function(){
    Route::get('users', 'index');
    Route::get('users-export', 'export')->name('users.export');
    Route::post('users-import', 'import')->name('users.import');

});

```

## resources/views/users.blade.php

```

<!DOCTYPE html>

<html>

```

```

<head>
    <title>Laravel 10 Import Export Excel to Database Example - ItSolutionStuff.com</title>
    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet">
</head>
<body>
    <div class="container">
        <div class="card bg-light mt-3">
            <div class="card-header">
                Laravel 10 Import Export Excel to Database Example - ItSolutionStuff.com
            </div>
            <div class="card-body">
                <form action="{{ route('users.import') }}" method="POST" enctype="multipart/form-data">
                    @csrf
                    <input type="file" name="file" class="form-control">
                    <br>
                    <button class="btn btn-success">Import User Data</button>
                </form>
                <table class="table table-bordered mt-3">
                    <tr>
                        <th colspan="3">
                            List Of Users
                            <a class="btn btn-warning float-end" href="{{ route('users.export') }}">Export User Data</a>
                        </th>
                    </tr>
                    <tr>
                        <th>ID</th>
                        <th>Name</th>
                        <th>Email</th>
                    </tr>
                    @foreach($users as $user)
                    <tr>
                        <td>{{ $user->id }}</td>
                        <td>{{ $user->name }}</td>
                        <td>{{ $user->email }}</td>
                    </tr>
                    @endforeach
                </table>
            </div>
        </div>
    </div>
</div>

```

```
</body>
</html>
```

# autoload( )

```
composer install --optimize-autoloader --no-dev
```

```
php artisan config:cache
```

```
php artisan route:cache
```

```
php artisan view:cache
```

```
APP_DEBUG = false      #debug
```

```
{{ Auth::user()->name }} #
```

```
use App\Models\User;    #
```

```
$users = User::all();
```

```
<input type = "text" value="{{ old('title') }}" name = "title" class = "w-2/5 border-gray-300 p-2 mx-2">
```

```
<textarea name = "content" rows = "20" class = "w-4/5 m-auto border-gray-300 p-2 " >{{ old('content')
}}</textarea>
```

```
<textarea name = "summary" rows = "5" class = "w-4/5 m-auto border-gray-300 p-2" >{{ old('summary')
}}</textarea>
```

```
<input type = "date" value="{{ old('start_time') }}" name = "start_time" class = "border-gray-300 p-2 mx-2">
```

```
<input type = "date" value="{{ old('end_time') }}" name = "end_time" class = "border-gray-300 p-2 mx-2">
```

## old( )

```
<form action="/register" method="POST" id="registration-form">
```

```
@csrf
```

```
<div class="form-group">
  <label for="username-register" class="text-muted mb-1"><small>Username</small></label>
  <input value="{{old('username')}}" name="username" id="username-register" class="form-control"
type="text" placeholder="Pick a username" autocomplete="off" />
  @error('username')
    <p class="m-0 small alert alert-danger shadow-sm">{{ $message }}</p>
  @enderror
</div>
```

```
<div class="form-group">
  <label for="email-register" class="text-muted mb-1"><small>Email</small></label>
  <input value="{{old('email')}}" name="email" id="email-register" class="form-control" type="text"
placeholder="you@example.com" autocomplete="off" />
  @error('email')
    <p class="m-0 small alert alert-danger shadow-sm">{{ $message }}</p>
  @enderror
</div>
```

```
<div class="form-group">
  <label for="password-register" class="text-muted mb-1"><small>Password</small></label>
  <input name="password" id="password-register" class="form-control" type="password"
placeholder="Create a password" />
  @error('password')
    <p class="m-0 small alert alert-danger shadow-sm">{{ $message }}</p>
  @enderror
</div>
```

```
<div class="form-group">
  <label for="password-register-confirm" class="text-muted mb-1"><small>Confirm
Password</small></label>
  <input name="password_confirmation" id="password-register-confirm" class="form-control"
type="password" placeholder="Confirm password" />
  @error('password_confirmation')
    <p class="m-0 small alert alert-danger shadow-sm">{{ $message }}</p>
  @enderror
</div>
```

```
<button type="submit" class="py-3 mt-4 btn btn-lg btn-success btn-block">Sign up for OurApp</button>
</form>
```

⬜⬜@error⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜⬜

□□Laravel□□□□

```
Storage::disk('local')->put('example.txt', 'Contents');
```

storage/app

```
./vendor/bin/sail artisan storage:link
```

```

[ ] [ ] [ ] [ ] [ ] [ ] [ ] public/storage [ ] [ ] [ ] storage/app/public [ ] [ ] [ ] [ ] [ ] [ ] [ ] storage/app/public [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] artisan

```

[illegible]

```
./vendor/bin/sail composer require league/flysystem-aws-s3-v3 "^3.0"
```

S3  config/filesystem.php  .env

```
's3' => [
  'driver' => 's3',
  'key' => env('AWS_ACCESS_KEY_ID'),
  'secret' => env('AWS_SECRET_ACCESS_KEY'),
  'region' => env('AWS_DEFAULT_REGION'),
  'bucket' => env('AWS_BUCKET'),
  'url' => env('AWS_URL'),
  'endpoint' => env('AWS_ENDPOINT'),
  'use_path_style_endpoint' => env('AWS_USE_PATH_STYLE_ENDPOINT', false),
  'throw' => false,
],
```

```
.env [ ][ ][ ][ ][ ]
```

```
AWS_ACCESS_KEY_ID=  
AWS_SECRET_ACCESS_KEY=  
AWS_DEFAULT_REGION=us-east-1  
AWS_BUCKET=  
AWS_USE_PATH_STYLE_ENDPOINT=false
```

|  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|

```
$contents = Storage::get('file.jpg');
```

Storage::size('file.jpg')

```
Storage::size('file.jpg');
```

Storage::lastModified('file.jpg')

```
$time = Storage::lastModified('file.jpg');
```

## Laravel Http Client

Laravel GuzzleHttp

Illuminate\Support\Facades\Http

```
use Illuminate\Support\Facades\Http;
```

```
$response = Http::get('https://www.google.com');
```

Http Status

```
$response->status()
```

Header key-value pair

```
$response->headers()
```

body

```
$response->body()
```

HTTP GET

POST

```
$response = Http::post('http://example.com/users', [  
    'name' => 'Steve',  
    'role' => 'Network Administrator',  
]);
```

API Form Submit

```
$response = Http::asForm()->post('http://example.com/users', [  
    'name' => 'Sara',  
    'role' => 'Privacy Consultant',  
]);
```

body

```
$response = Http::withBody(  
    base64_encode($photo), 'image/jpeg'  
)->post('http://example.com/photo');
```

Header

```
$response = Http::withHeaders([  
    'X-First' => 'foo',  
    'X-Second' => 'bar'  
])->post('http://example.com/users', [  
    'name' => 'Taylor',  
]);
```

```
@switch($role)  
    @case('admin')  
        <p>You are an admin.</p>  
    @break  
    @case('user')  
        <p>You are a user.</p>  
    @break  
    @default  
        <p>Your role is not defined.</p>  
@endswitch
```

```
@isset($products)  
    ...  
@endisset
```

```
@empty($records)  
    ...  
@endempty
```



```
@for ($i = 0; $i < 10; $i++)  
    The current value is {{ $i }}  
@endfor
```

```
@foreach($products as $product)  
    <li>{{ $product->name }}</li>  
@endforeach
```

```
@forelse($products as $product)  
    <li>{{ $product->name }}</li>  
@empty  
    <p>No products found.</p>  
@endforelse
```

```
@while (true)  
    <p>I'm looping forever.</p>  
@endwhile
```

```
@auth  
    <p>You're logged in</p>  
@endauth
```

```
@guest  
    <p>Please login</p>  
@endguest
```

{{-- Add raw php code --}}

```
@php  
    $counter = 1;  
@endphp
```

{{-- Show JSON data --}}

```
<pre>@json($products, JSON_PRETTY_PRINT)</pre>
```

{{-- Create a stack (in a component)--}}

```
@stack('script')
```

```
{ {-- Push to a stack (when using the component) --} }
```

```
@push('script')
  <script>
    console.log('Script is working!')
  </script>
@endpush
```

# CRUD

## Create

```
$newUser = User::create(['name' => 'John Doe', 'email' => 'john@example.com']);
```

## Read

```
$users = User::all();
$user = User::find(1);
$activeUsers = User::where('status', 'active')->get();
$tags = Product::where('name', 'Some Product')->first()->tags; // Because we define relationships it's easy to
get related dat
```

## Update

```
$user = User::find(1);
$user->update(['name' => 'Updated Name']);
User::where('status', 'inactive')->update(['status' => 'active']);
```

## Delete

```
$user = User::find(1);
$user->delete();
User::where('status', 'inactive')->delete();
```

# Query Builder

## Selecting Data

```
$users = DB::table('users')
->select('name', 'email')
->where('name', 'like', "%vince%")
->orWhere('name', 'like', "%patrick%")
->where('active', true)
->orderBy('created_at', 'desc')
->get();
```

## Joining Tables and select specific Columns with conditions

```
$users = DB::table('users')
->join('orders', 'users.id', '=', 'orders.user_id')
->select('users.id as user_id', 'users.name as user_name', 'orders.id as order_id', 'orders.amount',
'orders.created_at')
->where('orders.status', '=', 'completed')
->where('users.active', '=', true)
->orderBy('orders.created_at', 'desc')
->get();
```

## Aggregates

```
$totalOrders = DB::table('orders')->count();
$averagePrice = DB::table('products')->avg('price');
```

## Insert, Update, Delete

```
DB::table('users')->insert(['name' => 'John Doe', 'email' => 'john@example.com']);
DB::table('users')->where('id', 1)->update(['name' => 'Updated Name']);
DB::table('users')->where('id', 1)->delete();
```

# Storage(📁📁📁)

## Store a file in the default disk (usually 'public')

```
Storage::put('file.txt', 'Hello, Laravel!');
```

## Get the contents of a file

```
$contents = Storage::get('file.txt');
```

## Delete a file

```
Storage::delete('file.txt');
```

## Check if a file exists

```
if (Storage::exists('file.txt')) {  
    // File exists  
}
```

## Create a directory

```
Storage::makeDirectory('images');
```

## Delete a directory

```
Storage::deleteDirectory('images');
```

# Authentication

## Get the currently authenticated user

```
$user = auth()->user();      // or Auth::user();
```

## Get one attribute off the currently authenticated user (e.g. name, email, id, ...)

```
$name = auth()->user()->name;    // or Auth::user()->name;
```

# Middleware

You can register your custom middleware for easier usage in `app/Http/Kernel.php`.

```
protected $middlewareAliases = [  
    'auth' => \App\Http\Middleware\Authenticate::class,  
    ...  
    'active' => \App\Http\Middleware\ActiveUser::class,
```

```
};
```

Use your middleware on routes (for example in routes/web.php) which will cause the logic to be executed everytime a request is made to that route. Beware of the order you use when assigning middleware, this is also the order of execution.

// When registered you can use middleware like this.

```
Route::get('/profile', function () {  
    // ...  
})->middleware(['auth', 'active']);
```

// Alternative way is to use it like this (also possible when it's not registered)

```
Route::get('/profile', function () {  
    // ...  
})->middleware(Authenticate::class, Active::class);
```

□□□□□□□□

□□□□□□□□□?

□□□□□□□□□□□□□?□□□□□□□□□□

```
$thisIsInt = 10;    → □□ (int)
```

```
$thisIsStr = "10"; → □□ (string)
```

---

Revision #10

Created 9 September 2024 14:56:33 by Ron

Updated 17 November 2024 13:09:38 by Ron