

Excel File Generate Using Model in LARAVEL

Pdf Generate commands–

Command :

1. `composer remove maatwebsite/excel`
2. `composer require psr/simple-cache:^1.0 maatwebsite/excel --ignore-platform-reqs --with-all-dependencies`

Step 2: Configure the Package

The **Maatwebsite\Excel\ExcelServiceProvider** is **auto-discovered** and registered by default.

If you want to register it yourself, add the ServiceProvider in "**config/app.php**": (providers & aliases)

```
'providers' => ServiceProvider::defaultProviders()->merge([
    /*
     * Package Service Providers...
     */

    /*
     * Application Service Providers...
     */
    Maatwebsite\Excel\ExcelServiceProvider::class,
])->toArray(),
```

```
'aliases' => Facade::defaultAliases()->merge([
    // 'Example' => App\Facades\Example::class,
    'Excel' => Maatwebsite\Excel\Facades\Excel::class,
])->toArray(),
```

Command :

3. `php artisan vendor:publish --provider="Maatwebsite\Excel\ExcelServiceProvider" --tag=config`

Note: We will follow with the example of "Customer Detail" to be exported in an Excel file. So I have used **Model** as a **Customer** (**app/ Models/StudentExportController.php**)

Step 4: Create a Controller named **StudentExportController** using the below artisan command:

Controller Page –

Command:

`php artisan make:controller StudentExportController`

```
<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;
use App\Exports\StudentsExport;
```

```

use Maatwebsite\Excel\Facades\Excel;

class StudentExcelController extends Controller
{
    public function exportDataInExcel(Request $request)
    {
        if($request->type == 'xlsx'){

            $fileExt = 'xlsx';
            $exportFormat = \Maatwebsite\Excel\Excel::XLSX;
        }
        elseif($request->type == 'csv'){

            $fileExt = 'csv';
            $exportFormat = \Maatwebsite\Excel\Excel::CSV;
        }
        elseif($request->type == 'xls'){

            $fileExt = 'xls';
            $exportFormat = \Maatwebsite\Excel\Excel::XLS;
        }
        else{

            $fileExt = 'xlsx';
            $exportFormat = \Maatwebsite\Excel\Excel::XLSX;
        }

        $filename = "Students-".date('d-m-Y').".$fileExt;
        return Excel::download(new StudentsExport, $filename, $exportFormat);
    }
}

```

Model Page –

Command:

php artisan make:model student

Call Your Model Name
My Model Name = Student

In App Folder manually create Exports Folder

 Create an export class in `app/Exports`

You may do this by using the `make:export` command.

Command:

php artisan make:export StudentsExport

then Generate This php file in Exports folder

```
<?php

namespace App\Exports;

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

class StudentsExport implements FromCollection, WithHeadings
{
    /**
     * @return \Illuminate\Support\Collection
     */
    public function collection()
    {
        return
Student::select('id','name','email','password','class','language','gender','phone','address')->get();
    }
    public function headings(): array
    {
        return
['id','name','email','password','class','language','gender','phone','address',];
    }
}
```

route Page –

```
<?php

use Illuminate\Support\Facades\Route;
use App\Http\Controllers\StudentController;
use App\Http\Controllers\StudentExcelController;

/*
|-----
| Web Routes
|-----
|
|*/
```

```

| Here is where you can register web routes for your application. These
| routes are loaded by the RouteServiceProvider and all of them will
| be assigned to the "web" middleware group. Make something great!
|
*/

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

Route::get('/',[StudentController::class,'ShowStudent'])->name('home');

Route::get('students/export', [StudentExcelController::class, 'exportDataInExcel'])->
>name('exportStudent');

```

index.blade.php –

```

@include ('header')
<div id="main-content">
    <h2>All Records</h2>

    <form class="post-form" action="{{route('exportStudent')}}" method="GET">
        <div class="form-group">
            <select name="type">
                <option value="">Select Type</option>
                <option value="xlsx">XLSX</option>
                <option value="csv">CSV</option>
                <option value="xls">XLS</option>
            </select>
        </div>
        <input style="border:1px solid green; background-color:green;color:white;text-
decoration:none; padding:10px;" type="submit" name="submit" value="Export Excel File">
    </form>

    @if(Session::has('success'))
        <div style="border:2px solid white;width:100%;background-color:rgb(142, 208,
142);padding:5px;border-radius:30px;">
            <p>{{Session::get('success')}}</p>
        </div>
    @endif
    @if(Session::has('denger'))
        <div style="border:2px solid white;(204, 90, 14);width:100%;background-
color:rgb(214, 107, 13);padding:5px;border-radius:30px;">
            <p>{{Session::get('denger')}}</p>
        </div>
    @endif

```

```

<table cellpadding="7px">
  <thead>
    <th>Id</th>
    <th>Name</th>
    <th>Email</th>
    <th>Password</th>
    <th>Class</th>
    <th>Language</th>
    <th>Gender</th>
    <th>Phone</th>
    <th>Address</th>
    <th>View</th>
    <th>Edit</th>
    <th>Delete</th>
  </thead>
  <tbody>
    @foreach($students as $student)
      <tr>
        <td>{{ $student->id }}</td>
        <td>{{ $student->name }}</td>
        <td>{{ $student->email }}</td>
        <td>{{ $student->password }}</td>
        <td>{{ $student->class }}</td>
        <td>{{ $student->language }}</td>
        <td>{{ $student->gender }}</td>
        <td>{{ $student->phone }}</td>
        <td>{{ $student->address }}</td>

        <td><a style="background-color:green;"
href={{route('singleStudent',$student->id)}}>View</a></td>
        <td><a style="background-color:blue;" href={{route('updatePage',$student-
>id)}} onclick="return confirm('Are you sure ?')">Edit</a></td>
        <td><a href={{route('deleteStudent',$student->id)}} onclick="return
confirm('Are you sure ?')">Delete</a></td>
      </tr>
    @endforeach
  </tbody>
</table>
</div>
</div>
</body>
</html>

```

Frontend –

index

(18) dil pe cha

How to Export data to

5 minute quick st

Export concerns | Lar

php artisan vendor:ps

2.4 Mbps
25.2 Kbps

127.0.0.1:8000

GmailYouTubeWordPress Themes...Inventory Managem...cleaning live websiteGovernment polyte...localhost/school-m...Usersपायथन सूची हिंदी में |...All Bookmarks

CRUD

HOMEADD

All Records

Select Type

Export Excel File

ID	NAME	EMAIL	PASSWORD	CLASS	LANGUAGE	GENDER	PHONE	ADDRESS	VIEW	EDIT	DELETE
248243913	Vishal kumar maurya	vm123@gmail.com	bn jvkuk,hjmhgnf	BCA	Hindi,English	male	9511081531	Police line , ramaipatti mirzapur	VIEW	EDIT	DELETE
735369478	Vishal kumar maurya	atul123@gmail.com	b jniknmiknmikj	BCA	Hindi,English	male	9511081531	Police line , ramaipatti mirzapur	VIEW	EDIT	DELETE
469080944	Vishal kumar maurya	vm123@gmail.com	yuyjtytytj	BSC	Hindi,English	male	9511081531	Police line , ramaipatti mirzapur	VIEW	EDIT	DELETE

(18) dil pe cha

How to Export data to

5 minute quick st

Export concerns | Lar

php artisan vendor:ps

0.0 Kbps
0.0 Kbps

127.0.0.1:8000

GmailYouTubeWordPress Themes...Inventory Managem...cleaning live websiteGovernment polyte...localhost/school-m...Usersपायथन सूची हिंदी में |...All Bookmarks

CRUD

HOMEADD

All Records

Select Type

Select Type
XLSX
CSV
XLS

ID	NAME	EMAIL	PASSWORD	CLASS	LANGUAGE	GENDER	PHONE	ADDRESS	VIEW	EDIT	DELETE
248243913	Vishal kumar maurya	vm123@gmail.com	bn jvkuk,hjmhgnf	BCA	Hindi,English	male	9511081531	Police line , ramaipatti mirzapur	VIEW	EDIT	DELETE
735369478	Vishal kumar maurya	atul123@gmail.com	b jniknmiknmikj	BCA	Hindi,English	male	9511081531	Police line , ramaipatti mirzapur	VIEW	EDIT	DELETE
469080944	Vishal kumar maurya	vm123@gmail.com	yuyjtytytj	BSC	Hindi,English	male	9511081531	Police line , ramaipatti mirzapur	VIEW	EDIT	DELETE

Download page

(18) dil pe cha...

How to Export data to...

5 minute quick st...

Export concerns | Lar...

php artisan vendorp...

0.0 Kbps
0.0 Kbps

127.0.0.1:8000

GmailYouTubeWordPress Themes...Inventory Managem...cleaning live websiteGovernment polyte...localhost/school-m...

Students-27-02-2024 (11).xlsx
6.4 KB • Done

All Bookmarks

CRUD

HOMEADD

All Records

XLSX

Export Excel File

ID	NAME	EMAIL	PASSWORD	CLASS	LANGUAGE	GENDER	PHONE	ADDRESS	VIEW	EDIT	DELETE
248243913	Vishal kumar maurya	vm123@gmail.com	bn jvkuk,hjmhgnf	BCA	Hindi,English	male	9511081531	Police line , ramaipatti mirzapur	VIEW	EDIT	DELETE
735369478	Vishal kumar maurya	atul123@gmail.com	b jniknmiknmlkj	BCA	Hindi,English	male	9511081531	Police line , ramaipatti mirzapur	VIEW	EDIT	DELETE
469080944	Vishal kumar maurya	vm123@gmail.com	yujtyjtytj	BSC	Hindi,English	male	9511081531	Police line , ramaipatti mirzapur	VIEW	EDIT	DELETE

Type here to search

10:06 AM
27-02-2024

Excel page

Students-27-02-2024 (11) [Protected View] - Excel

0.0 Kbps
0.0 Kbps

cumar

FileHomeInsertPage LayoutFormulasDataReviewViewHelpTell me what you want to do

PROTECTED VIEW

Be careful—files from the Internet can contain viruses. Unless you need to edit, it's safer to stay in Protected View.

Enable Editing

A1

id

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	id	name	email	password	class	language	gender	phone	address					
2	248243913	Vishal kumar maurya	vm123@gmail.com	bn jvkuk,hjmhgnf	BCA	Hindi,English	male	9511081531	Police line , ramaipatti mirzapur					
3	735369478	Vishal kumar maurya	atul123@gmail.com	b jniknmiknmlkj	BCA	Hindi,English	male	9511081531	Police line , ramaipatti mirzapur					
4	469080944	Vishal kumar maurya	vm123@gmail.com	yujtyjtytj	BSC	Hindi,English	male	9511081531	Police line , ramaipatti mirzapur					
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Worksheet

Ready

Type here to search

10:07 AM
27-02-2024

More Information OR Other Type To Export Excel File

How to Export data to Excel file with different format/extension in Laravel 10

By Ved Prakash N | Jan 20, 2024 | Laravel

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How to Export data to Excel file in Laravel 10

In this post, you will learn how to export data from a database table to Excel file with different format / extension in Laravel 10.

We will create a Form, we will select the Export Format / Extension (.xlsx , .xls, csv, etc.), and download the Excel file.

We will specify / declare the Headings (Column Headings) like Name, Email, Phone, etc.. in the Excel file to be exported.

Let's get started.

Step 1: Install Laravel Excel Package via composer as follows:

```
composer require maatwebsite/excel
```

Step 2: Configure the Package

The Maatwebsite\Excel\ExcelServiceProvider is auto-discovered and registered by default.

If you want to register it yourself, add the ServiceProvider in "config/app.php": (providers & aliases)

```
'providers' => [  
    // ...  
    Maatwebsite\Excel\ExcelServiceProvider::class,  
],  
  
'aliases' => [  
    // ...  
    'Excel' => Maatwebsite\Excel\Facades\Excel::class,  
],
```


Step 3: To publish the config, run the vendor publish command

```
php artisan vendor:publish --provider="Maatwebsite\Excel\ExcelServiceProvider" --tag=config
```

Note: We will follow with the example of "Customer Detail" to be exported in an Excel file. So I have used **Model** as a **Customer** (**app/ Models/ Customer.php**)

Step 4: Create a Controller named CustomerController using the below artisan command:

```
php artisan make:controller CustomerController
```

After successfully creating the CustomerController, paste the below code in it.

In this controller, write the logic of export excel with different export format / file extensions as follows:

```
<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;
use App\Exports\CustomersExport;
use Maatwebsite\Excel\Facades\Excel;

class CustomerController extends Controller
{
    public function exportDataInExcel(Request $request)
    {
        if($request->type == 'xlsx'){

            $fileExt = 'xlsx';
            $exportFormat = \Maatwebsite\Excel\Excel::XLSX;
        }
        elseif($request->type == 'csv'){

            $fileExt = 'csv';
            $exportFormat = \Maatwebsite\Excel\Excel::CSV;
        }
        elseif($request->type == 'xls'){

            $fileExt = 'xls';
            $exportFormat = \Maatwebsite\Excel\Excel::XLS;
        }
        else{

            $fileExt = 'xlsx';
            $exportFormat = \Maatwebsite\Excel\Excel::XLSX;
        }

        $filename = "customers-".date('d-m-Y').".$fileExt;
        return Excel::download(new CustomersExport, $filename, $exportFormat);
    }
}
```

Step 5: Create a Excel Export Class named CustomerExport with the following command:

```
php artisan make:export CustomerExport
```

After successfully creating the Import Class, paste the below code in the following path : `app/ Exports/ CustomerExport.php`

There are different ways to Export data to excel file like:

1. Export Data in Excel Sheet with Headings (Column Names)

```
<?php

namespace App\Exports;

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

class CustomersExport implements FromCollection, WithHeadings
{
    /**
     * @return \Illuminate\Support\Collection
     */
    public function collection()
    {
        return Customer::select('name','email','phone')->get();
    }

    public function headings(): array
    {
        return [
            'Name',
            'Email',
            'Phone',
        ];
    }
}
```

2. Export Data in Excel Sheet without Headings

```
<?php

namespace App\Exports;

use App\Models\Customer;
use Maatwebsite\Excel\Concerns\FromCollection;

class CustomersExport implements FromCollection
{
    /**
     * @return \Illuminate\Support\Collection
     */
    public function collection()
    {
        return Customer::all();
    }
}
```

3. Export Data to Excel Sheet from a "Blade View" using "FormView" concern

```
<?php

namespace App\Exports;

use App\Models\Customer;
use Illuminate\Contracts\View\View;
use Maatwebsite\Excel\Concerns\FromView;

class CustomersExport implements FromView
{
    public function view(): View
    {
        return view('customer.export', [
            'customers' => Customer::all()
        ]);
    }
}
```

Now, while export data to an excel file from a "Blade view" using a FormView concern, you have to create a Blade file in the following path: `resources/ views/ customer/ export.blade.php` and paste the below code:

Step 6: Use this below in Form to export / download the excel file as per your requirement.

```
<form action="{{ url('customer/export') }}" method="GET">
  <label>Export Customer Data in Excel File</label>
  <div class="input-group mt-2">
    <select name="type" class="form-control" required>
      <option value="">Select Excel Format</option>
      <option value="xlsx">XLSX</option>
      <option value="csv">CSV</option>
      <option value="xls">XLS</option>
    </select>
    <button type="submit" class="btn btn-success">Export</button>
  </div>
</form>
```

Step 7: Create a Route

```
Route::get('customer/export', [App\Http\Controllers\CustomerController::class, 'exportDataIr
```

That's it. Now, we are ready to export data to an Excel file at : <http://localhost:8000/customer/export>

I hope it helps you. Thanks for reading.

```
<table>
  <thead>
    <tr>
      <th>Name</th>
      <th>Email</th>
      <th>Phone</th>
    </tr>
  </thead>
  <tbody>
    @foreach($customers as $customer)
      <tr>
        <td>{{ $customer->name }}</td>
        <td>{{ $customer->email }}</td>
        <td>{{ $customer->phone }}</td>
      </tr>
    @endforeach
  </tbody>
</table>
```

Created By – Vishal Kumar Maurya Laravel Developer