**LARAVEL RANDOM USERS APP**

This is a simple Laravel application that fetches and displays users from the **Random User API**(https://randomuser.me/api/). It includes features like pagination, gender filtering, caching, and CSV export.

**PHP – 8.2**

1.git clone <https://github.com/madhusudanasdev/random-user-app.git> ,

2. cd random-user-app

3. composer install

4. copy .env.example and rename to .env

5. php artisan key:generate

6. Php artisan serve.

Open your browser and visit: <http://localhost:8000/users>

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**Running Tests**

php artisan test  
 **To handle the Route**Route::get('/users', [UserController::class, 'index']);

Route::get('/users/export', [UserController::class, 'export'])->name('users.export');

**To create a controller**  
php artisan make:controller UserController  
  
**For Validation**

$validated = $request->validate([

'gender' => 'nullable|in:male,female',

'page' => 'nullable|integer|min:1',

**For Api call**

$response = Http::get('https://randomuser.me/api/', [

'results' => 50,

]);

**For Cache**

$users = Cache::remember($cacheKey, 600, function () use ($gender) {

**For pagination**

$paginated = $users->forPage($page, 10);

$paginator = new \Illuminate\Pagination\LengthAwarePaginator(

$paginated,

$users->count(),

10,

$page,

['path' => url('/users'), 'query' => $request->query()]

);

**For csv export**

$csvHeaders = [

'Content-type' => 'text/csv',

'Content-Disposition' => 'attachment; filename=users.csv',

'Pragma' => 'no-cache',

'Cache-Control' => 'must-revalidate, post-check=0, pre-check=0',

'Expires' => '0',

];

$callback = function () use ($users) {

$handle = fopen('php://output', 'w');

fputcsv($handle, ['Name', 'Email', 'Gender', 'Nationality']);

foreach ($users as $user) {

fputcsv($handle, [

$user['name']['first'] . ' ' . $user['name']['last'],

$user['email'],

ucfirst($user['gender']),

$user['nat'],

]);

}

fclose($handle);

};

\*\* Future Enhancement  
Here we can apply more filter if needed.

Show a modal or page with more details when a user row is clicked.

Use Tailwind CSS or Bootstrap for a cleaner UI.