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🔗 Laravel Cheat Sheet

Raw

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1  Artisan
2  // Displays help for a given command
3  php artisan --help OR -h
4  // Do not output any message
5  php artisan --quiet OR -q
6  // Display this application version
7  php artisan --version OR -V
8  // Do not ask any interactive question
9  php artisan --no-interaction OR -n
10 // Force ANSI output
11 php artisan --ansi
12 // Disable ANSI output
13 php artisan --no-ansi
14 // The environment the command should run under
15 php artisan --env
16 // -v|vv|vvv Increase the verbosity of messages: 1 for normal output, 2 for more verbose output and 3 for debug
17 php artisan --verbose
18
19 // Display the framework change list
20 php artisan changes
21 // Remove the compiled class file
22 php artisan clear-compiled
23 // Put the application into maintenance mode
24 php artisan down
25 // Regenerate framework autoload files
26 php artisan dump-autoload
27 // Display the current framework environment
28 php artisan env
29 // Displays help for a command
30 php artisan help
31 // Lists commands
32 php artisan list
33 // Optimize the framework for better performance
34 php artisan optimize
35 // List all registered routes
36 php artisan routes
37 // Serve the application on the PHP development server
38 php artisan serve
39 // Change the default port
40 php artisan serve --port 8080
41 // Get it to work outside localhost
42 php artisan serve --host 0.0.0.0
43 // Interact with your application
44 php artisan tinker
45 // Bring the application out of maintenance mode
46 php artisan up
47 // Create a new package workbench
48 php artisan workbench
49 // Publish a package's assets to the public directory
50 php artisan asset:publish [--bench[="vendor/package"]] [--path[="..."]] [package]
51 // Create a migration for the password reminders table
52 php artisan auth:reminders-table
53 // Flush the application cache
54 php artisan cache:clear
55 // Create a new Artisan command (L3:task)

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56 php artisan command:make name [--command="..."] [--path="..."] [--namespace="..."]
57 // Publish a package's configuration to the application
58 php artisan config:publish
59 // Create a new resourceful controller
60 php artisan controller:make [--bench="vendor/package"]
61 // Seed the database with records
62 php artisan db:seed [--class="..."] [--database="..."]
63 // Set the application key
64 php artisan key:generate
65
66 // Database migrations
67 php artisan migrate [--bench="vendor/package"] [--database="..."] [--path="..."] [--package="..."] [--pretend] [--seed]
68 // Create the migration repository
69 php artisan migrate:install [--database="..."]
70 // Create a new migration file
71 php artisan migrate:make name [--bench="vendor/package"] [--create] [--package="..."] [--path="..."] [--table="..."]
72 // Reset and re-run all migrations
73 php artisan migrate:refresh [--database="..."] [--seed]
74 // Rollback all database migrations
75 php artisan migrate:reset [--database="..."] [--pretend]
76 // Rollback the last database migration
77 php artisan migrate:rollback [--database="..."] [--pretend]
78 // Publish a package's migrations to migration directory
79 php artisan migrate:publish vendor/package
80
81 // Listen to a given queue
82 php artisan queue:listen [--queue="..."] [--delay="..."] [--memory="..."] [--timeout="..."] [connection]
83 // Subscribe a URL to an Iron.io push queue
84 php artisan queue:subscribe [--type="..."] queue url
85 // Process the next job on a queue
86 php artisan queue:work [--queue="..."] [--delay="..."] [--memory="..."] [--sleep] [connection]
87 // Create a migration for the session database table
88 php artisan session:table
89 // Publish a package's views to the application
90 php artisan view:publish [--path="..."] package
91 php artisan tail [--path="..."] [--lines="..."] [connection]
92
93 Composer
94 composer create-project laravel/laravel folder_name
95 composer install
96 composer update
97 composer dump-autoload [--optimize]
98 composer self-update
99
100 Configuration
101 Config::get('app.timezone');
102 //get with Default value
103 Config::get('app.timezone', 'UTC');
104 //set Configuration
105 Config::set('database.default', 'sqlite');
106
107 Routing
108 Route::get('foo', function(){});
109 Route::get('foo', 'ControllerName@function');
110 Route::controller('foo', 'FooController');
111
112 RESTful Controllers
113 Route::resource('posts', 'PostsController');
114 //Specify a subset of actions to handle on the route
115 Route::resource('photo', 'PhotoController', ['only' => ['index', 'show']]);
116 Route::resource('photo', 'PhotoController', ['except' => ['update', 'destroy']]);
117
118 Triggering Errors
119 App::abort(404);
120 App::missing(function($exception){});
121 throw new NotFoundHttpException;
122
123 Route Parameters
124 Route::get('foo/{bar}', function($bar){});
125 Route::get('foo/{bar?}', function($bar = 'bar'){});
126

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127 HTTP Verbs
128 Route::any('foo', function(){});
129 Route::post('foo', function(){});
130 Route::put('foo', function(){});
131 Route::patch('foo', function(){});
132 Route::delete('foo', function(){});
133 // RESTful actions
134 Route::resource('foo', 'FooController');
135
136 Secure Routes
137 Route::get('foo', array('https', function(){}));
138 Route Constraints
139 Route::get('foo/{bar}', function($bar){})
140     ->where('bar', '[0-9]+');
141 Route::get('foo/{bar}/{baz}', function($bar, $baz){})
142     ->where(array('bar' => '[0-9]+', 'baz' => '[A-Za-z]'))
143
144 // Set a pattern to be used across routes
145 Route::pattern('bar', '[0-9]+')
146
147 Filters
148 // Declare an auth filter
149 Route::filter('auth', function(){});
150 // Register a class as a filter
151 Route::filter('foo', 'FooFilter');
152 Route::get('foo', array('before' => 'auth', function(){}));
153 // Routes in this group are guarded by the 'auth' filter
154 Route::get('foo', array('before' => 'auth', function(){}));
155 Route::group(array('before' => 'auth'), function(){});
156 // Pattern filter
157 Route::when('foo/*', 'foo');
158 // HTTP verb pattern
159 Route::when('foo/*', 'foo', array('post'));
160
161 Named Routes
162 Route::currentRouteName();
163 Route::get('foo/bar', array('as' => 'foobar', function(){}));
164
165 Route Prefixing
166 // This route group will carry the prefix 'foo'
167 Route::group(array('prefix' => 'foo'), function(){});
168
169 Route Namespacing
170 // This route group will carry the namespace 'Foo\Bar'
171 Route::group(array('namespace' => 'Foo\Bar'), function(){});
172
173 Sub-Domain Routing
174 // {sub} will be passed to the closure
175 Route::group(array('domain' => '{sub}.example.com'), function(){});
176
177 App
178 App::environment();
179 // test equal to
180 App::environment('local');
181 App::runningInConsole();
182 App::runningUnitTests();
183
184 Log
185 Log::info('info');
186 Log::info('info', array('context' => 'additional info'));
187 Log::error('error');
188 Log::warning('warning');
189 // get monolog instance
190 Log::getMonolog();
191 // add listener
192 Log::listen(function($level, $message, $context) {});
193 // get all ran queries.
194 DB::getQueryLog();
195
196 URLs
197 URL::full();

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198 URL::current();
199 URL::previous();
200 URL::to('foo/bar', $parameters, $secure);
201 URL::action('FooController@method', $parameters, $absolute);
202 URL::route('foo', $parameters, $absolute);
203 URL::secure('foo/bar', $parameters);
204 URL::asset('css/foo.css', $secure);
205 URL::secureAsset('css/foo.css');
206 URL::isValidUrl('http://example.com');
207 URL::getRequest();
208 URL::setRequest($request);
209 URL::getGenerator();
210 URL::setGenerator($generator);
211
212 Events
213 Event::fire('foo.bar', array($bar));
214 Event::listen('foo.bar', function($bar){});
215 Event::listen('foo.*', function($bar){});
216 Event::listen('foo.bar', 'FooHandler', 10);
217 Event::listen('foo.bar', 'BarHandler', 5);
218 Event::listen('foo.bar', function($event){ return false; });
219 Event::queue('foo', array($bar));
220 Event::flusher('foo', function($bar){});
221 Event::flush('foo');
222 Event::forget('foo');
223 Event::subscribe(new FooEventHandler);
224
225 Database
226 DB::connection('connection_name');
227 DB::statement('drop table users');
228 DB::listen(function($sql, $bindings, $time){ code_here; });
229 DB::transaction(function(){ transaction_code_here; });
230 // Cache a query for $time minutes
231 DB::table('users')->remember($time)->get();
232 // Escape raw input
233 DB::raw('sql expression here');
234
235 Selects
236 DB::table('name')->get();
237 DB::table('name')->distinct()->get();
238 DB::table('name')->select('column as column_alias')->get();
239 DB::table('name')->where('name', '=', 'John')->get();
240 DB::table('name')->whereBetween('column', array(1, 100))->get();
241 DB::table('name')->orWhereBetween('column', array(200, 300))->get();
242 DB::table('name')->whereIn('column', array(1, 2, 3))->get();
243 DB::table('name')->whereNotIn('column', array(1, 2, 3))->get();
244 DB::table('name')->whereNull('column')->get();
245 DB::table('name')->whereNotNull('column')->get();
246 DB::table('name')->groupBy('column')->get();
247 // Default Eloquent sort is ascendant
248 DB::table('name')->orderBy('column')->get();
249 DB::table('name')->orderBy('column', 'desc')->get();
250 DB::table('name')->having('count', '>', 100)->get();
251 DB::table('name')->skip(10)->take(5)->get();
252 DB::table('name')->first();
253 DB::table('name')->pluck('column');
254 DB::table('name')->lists('column');
255 // Joins
256 DB::table('name')->join('table', 'name.id', '=', 'table.id')
257     ->select('name.id', 'table.email');
258
259 Inserts, Updates, Deletes
260 DB::table('name')->insert(array('name' => 'John', 'email' => 'john@example.com'));
261 DB::table('name')->insertGetId(array('name' => 'John', 'email' => 'john@example.com'));
262 // Batch insert
263 DB::table('name')->insert(array(
264     array('name' => 'John', 'email' => 'john@example.com'),
265     array('name' => 'James', 'email' => 'james@example.com')
266 ));
267 // Update an entry
268 DB::table('name')->where('name', '=', 'John')

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269     ->update(array('email' => 'john@example2.com'));
270 // Delete everything from a table
271 DB::table('name')->delete();
272 // Delete specific records
273 DB::table('name')->where('id', '>', '10')->delete();
274 DB::table('name')->truncate();
275
276 Aggregates
277 DB::table('name')->count();
278 DB::table('name')->max('column');
279 DB::table('name')->min('column');
280 DB::table('name')->avg('column');
281 DB::table('name')->sum('column');
282 DB::table('name')->increment('column');
283 DB::table('name')->increment('column', $amount);
284 DB::table('name')->decrement('column');
285 DB::table('name')->decrement('column', $amount);
286 DB::table('name')->remember(5)->get();
287 DB::table('name')->remember(5, 'cache-key-name')->get();
288 DB::table('name')->cacheTags('my-key')->remember(5)->get();
289 DB::table('name')->cacheTags(array('my-first-key', 'my-second-key'))->remember(5)->get();
290
291 Raw Expressions
292 // return rows
293 DB::select('select * from users where id = ?', array('value'));
294 // return nr affected rows
295 DB::insert('insert into foo set bar=2');
296 DB::update('update foo set bar=2');
297 DB::delete('delete from bar');
298 // returns void
299 DB::statement('update foo set bar=2');
300 // raw expression inside a statement
301 DB::table('name')->select(DB::raw('count(*) as count, column2'))->get();
302
303 Eloquent
304 Model::create(array('key' => 'value'));
305 // Find first matching record by attributes or create
306 Model::firstOrCreate(array('key' => 'value'));
307 // Find first record by attributes or instantiate
308 Model::firstOrCreate(array('key' => 'value'));
309 // Create or update a record matching attributes, and fill with values
310 Model::updateOrCreate(array('search_key' => 'search_value'), array('key' => 'value'));
311 // Fill a model with an array of attributes, beware of mass assignment!
312 Model::fill($attributes);
313 Model::destroy(1);
314 Model::all();
315 Model::find(1);
316 // Find using dual primary key
317 Model::find(array('first', 'last'));
318 // Throw an exception if the lookup fails
319 Model::findOrFail(1);
320 // Find using dual primary key and throw exception if the lookup fails
321 Model::findOrFail(array('first', 'last'));
322 Model::where('foo', '=', 'bar')->get();
323 Model::where('foo', '=', 'bar')->first();
324 // Find using relations
325 Model::whereHas('relation')->get();
326 Model::with('relation')->where('relation.foo', 'bar')->get();
327 // dynamic
328 Model::whereFoo('bar')->first();
329 // Throw an exception if the lookup fails
330 Model::where('foo', '=', 'bar')->firstOrFail();
331 Model::where('foo', '=', 'bar')->count();
332 Model::where('foo', '=', 'bar')->delete();
333 //Output raw query
334 Model::where('foo', '=', 'bar')->toSql();
335 Model::whereRaw('foo = bar and cars = 2', array(20))->get();
336 Model::remember(5)->get();
337 Model::remember(5, 'cache-key-name')->get();
338 Model::cacheTags('my-tag')->remember(5)->get();
339 Model::cacheTags(array('my-first-key', 'my-second-key'))->remember(5)->get();

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340 Model::on('connection-name')->find(1);
341 Model::with('relation')->get();
342 Model::all()->take(10);
343 Model::all()->skip(10);
344 // Default Eloquent sort is ascendant
345 Model::orderBy('column')->get();
346 Model::orderBy('column','desc')->get();
347
348 Soft Delete
349 Model::withTrashed()->where('cars', 2)->get();
350 // Include the soft deleted models in the results
351 Model::withTrashed()->where('cars', 2)->restore();
352 Model::where('cars', 2)->forceDelete();
353 // Force the result set to only included soft deletes
354 Model::onlyTrashed()->where('cars', 2)->get();
355
356 Events
357 Model::creating(function($model){});
358 Model::created(function($model){});
359 Model::updating(function($model){});
360 Model::updated(function($model){});
361 Model::saving(function($model){});
362 Model::saved(function($model){});
363 Model::deleting(function($model){});
364 Model::deleted(function($model){});
365 Model::observe(new FooObserver);
366
367 Eloquent Configuration
368 // Disables mass assignment exceptions from being thrown from model inserts and updates
369 Eloquent::unguard();
370 // Renables any ability to throw mass assignment exceptions
371 Eloquent::reguard();
372
373 Pagination
374 // Auto-Magic Pagination
375 Model::paginate(15);
376 Model::where('cars', 2)->paginate(15);
377 // "Next" and "Previous" only
378 Model::where('cars', 2)->simplePaginate(15);
379 // Manual Paginator
380 Paginator::make($items, $totalItems, $perPage);
381 // Print page navigators in view
382 $variable->links();
383
384 Schema
385 // Indicate that the table needs to be created
386 Schema::create('table', function($table)
387 {
388     $table->increments('id');
389 });
390 // Specify a Connection
391 Schema::connection('foo')->create('table', function($table){});
392 // Rename the table to a given name
393 Schema::rename($from, $to);
394 // Indicate that the table should be dropped
395 Schema::drop('table');
396 // Indicate that the table should be dropped if it exists
397 Schema::dropIfExists('table');
398 // Determine if the given table exists
399 Schema::hasTable('table');
400 // Determine if the given table has a given column
401 Schema::hasColumn('table', 'column');
402 // Update an existing table
403 Schema::table('table', function($table){});
404 // Indicate that the given columns should be renamed
405 $table->renameColumn('from', 'to');
406 // Indicate that the given columns should be dropped
407 $table->dropColumn(string|array);
408 // The storage engine that should be used for the table
409 $table->engine = 'InnoDB';
410 // Only work on MySQL

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411 $table->string('name')->after('email');
412
413 Indexes
414 $table->string('column')->unique();
415 $table->primary('column');
416 // Creates a dual primary key
417 $table->primary(array('first', 'last'));
418 $table->unique('column');
419 $table->unique('column', 'key_name');
420 // Creates a dual unique index
421 $table->unique(array('first', 'last'));
422 $table->unique(array('first', 'last'), 'key_name');
423 $table->index('column');
424 $table->index('column', 'key_name');
425 // Creates a dual index
426 $table->index(array('first', 'last'));
427 $table->index(array('first', 'last'), 'key_name');
428 $table->dropPrimary('table_column_primary');
429 $table->dropUnique('table_column_unique');
430 $table->dropIndex('table_column_index');
431
432 Foreign Keys
433 $table->foreign('user_id')->references('id')->on('users');
434 $table->foreign('user_id')->references('id')->on('users')->onDelete('cascade'|'restrict'|'set null'|'no action');
435 $table->foreign('user_id')->references('id')->on('users')->onUpdate('cascade'|'restrict'|'set null'|'no action');
436 $table->dropForeign('posts_user_id_foreign');
437
438 Column Types
439 // Increments
440 $table->increments('id');
441 $table->bigIncrements('id');
442
443 // Numbers
444 $table->integer('votes');
445 $table->tinyInteger('votes');
446 $table->smallInteger('votes');
447 $table->mediumInteger('votes');
448 $table->bigInteger('votes');
449 $table->float('amount');
450 $table->double('column', 15, 8);
451 $table->decimal('amount', 5, 2);
452
453 //String and Text
454 $table->char('name', 4);
455 $table->string('email');
456 $table->string('name', 100);
457 $table->text('description');
458 $table->mediumText('description');
459 $table->longText('description');
460
461 //Date and Time
462 $table->date('created_at');
463 $table->dateTime('created_at');
464 $table->time('sunrise');
465 $table->timestamp('added_on');
466 // Adds created_at and updated_at columns
467 $table->timestamps();
468 $table->nullableTimestamps();
469
470 // Others
471 $table->json('options');
472 $table->jsonb('options');
473 $table->binary('data');
474 $table->boolean('confirmed');
475 // Adds deleted_at column for soft deletes
476 $table->softDeletes();
477 $table->enum('choices', array('foo', 'bar'));
478 // Adds remember_token as VARCHAR(100) NULL
479 $table->rememberToken();
480 // Adds INTEGER parent_id and STRING parent_type
481 $table->morphs('parent');

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482 ->nullable()
483 ->default($value)
484 ->unsigned()
485
486 Input
487 Input::get('key');
488 // Default if the key is missing
489 Input::get('key', 'default');
490 Input::has('key');
491 Input::all();
492 // Only retrieve 'foo' and 'bar' when getting input
493 Input::only('foo', 'bar');
494 // Disregard 'foo' when getting input
495 Input::except('foo');
496 Input::flush();
497
498 Session Input (flash)
499 // Flash input to the session
500 Input::flash();
501 // Flash only some of the input to the session
502 Input::flashOnly('foo', 'bar');
503 // Flash only some of the input to the session
504 Input::flashExcept('foo', 'baz');
505 // Retrieve an old input item
506 Input::old('key', 'default_value');
507
508 Files
509 // Use a file that's been uploaded
510 Input::file('filename');
511 // Determine if a file was uploaded
512 Input::hasFile('filename');
513 // Access file properties
514 Input::file('name')->getRealPath();
515 Input::file('name')->getClientOriginalName();
516 Input::file('name')->getClientOriginalExtension();
517 Input::file('name')->getSize();
518 Input::file('name')->getMimeType();
519 // Move an uploaded file
520 Input::file('name')->move($destinationPath);
521 // Move an uploaded file
522 Input::file('name')->move($destinationPath, $fileName);
523
524 Cache
525 Cache::put('key', 'value', $minutes);
526 Cache::add('key', 'value', $minutes);
527 Cache::forever('key', 'value');
528 Cache::remember('key', $minutes, function(){ return 'value' });
529 Cache::rememberForever('key', function(){ return 'value' });
530 Cache::forget('key');
531 Cache::has('key');
532 Cache::get('key');
533 Cache::get('key', 'default');
534 Cache::get('key', function(){ return 'default' });
535 Cache::tags('my-tag')->put('key', 'value', $minutes);
536 Cache::tags('my-tag')->has('key');
537 Cache::tags('my-tag')->get('key');
538 Cache::tags('my-tag')->forget('key');
539 Cache::tags('my-tag')->flush();
540 Cache::increment('key');
541 Cache::increment('key', $amount);
542 Cache::decrement('key');
543 Cache::decrement('key', $amount);
544 Cache::section('group')->put('key', $value);
545 Cache::section('group')->get('key');
546 Cache::section('group')->flush();
547
548 Cookies
549 Cookie::get('key');
550 Cookie::get('key', 'default');
551 // Create a cookie that lasts for ever
552 Cookie::forever('key', 'value');

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553 // Create a cookie that lasts N minutes
554 Cookie::make('key', 'value', 'minutes');
555 // Set a cookie before a response has been created
556 Cookie::queue('key', 'value', 'minutes');
557 // Forget cookie
558 Cookie::forget('key');
559 // Send a cookie with a response
560 $response = Response::make('Hello World');
561 // Add a cookie to the response
562 $response->withCookie(Cookie::make('name', 'value', $minutes));
563
564 Sessions
565 Session::get('key');
566 // Returns an item from the session
567 Session::get('key', 'default');
568 Session::get('key', function(){ return 'default'; });
569 // Get the session ID
570 Session::getId();
571 // Put a key / value pair in the session
572 Session::put('key', 'value');
573 // Push a value into an array in the session
574 Session::push('foo.bar', 'value');
575 // Returns all items from the session
576 Session::all();
577 // Checks if an item is defined
578 Session::has('key');
579 // Remove an item from the session
580 Session::forget('key');
581 // Remove all of the items from the session
582 Session::flush();
583 // Generate a new session identifier
584 Session::regenerate();
585 // Flash a key / value pair to the session
586 Session::flash('key', 'value');
587 // Reflash all of the session flash data
588 Session::reflash();
589 // Reflash a subset of the current flash data
590 Session::keep(array('key1', 'key2'));
591
592 Requests
593 // url: http://xx.com/aa/bb
594 Request::url();
595 // path: /aa/bb
596 Request::path();
597 // getRequestUri: /aa/bb/?c=d
598 Request::getRequestUri();
599 // Returns user's IP
600 Request::getClientIp();
601 // getUri: http://xx.com/aa/bb/?c=d
602 Request::getUri();
603 // getQueryString: c=d
604 Request::getQueryString();
605 // Get the port scheme of the request (e.g., 80, 443, etc.)
606 Request::getPort();
607 // Determine if the current request URI matches a pattern
608 Request::is('foo/*');
609 // Get a segment from the URI (1 based index)
610 Request::segment(1);
611 // Retrieve a header from the request
612 Request::header('Content-Type');
613 // Retrieve a server variable from the request
614 Request::server('PATH_INFO');
615 // Determine if the request is the result of an AJAX call
616 Request::ajax();
617 // Determine if the request is over HTTPS
618 Request::secure();
619 // Get the request method
620 Request::method();
621 // Checks if the request method is of specified type
622 Request::isMethod('post');
623 // Get raw POST data

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624 Request::instance()->getContent();
625 // Get requested response format
626 Request::format();
627 // true if HTTP Content-Type header contains */json
628 Request::isJson();
629 // true if HTTP Accept header is application/json
630 Request::wantsJson();
631
632
633 Responses
634 return Response::make($contents);
635 return Response::make($contents, 200);
636 return Response::json(array('key' => 'value'));
637 return Response::json(array('key' => 'value'))
638     ->setCallback(Input::get('callback'));
639 return Response::download($filepath);
640 return Response::download($filepath, $filename, $headers);
641 // Create a response and modify a header value
642 $response = Response::make($contents, 200);
643 $response->header('Content-Type', 'application/json');
644 return $response;
645 // Attach a cookie to a response
646 return Response::make($content)
647     ->withCookie(Cookie::make('key', 'value'));
648
649 Redirects
650 return Redirect::to('foo/bar');
651 return Redirect::to('foo/bar')->with('key', 'value');
652 return Redirect::to('foo/bar')->withInput(Input::get());
653 return Redirect::to('foo/bar')->withInput(Input::except('password'));
654 return Redirect::to('foo/bar')->withErrors($validator);
655 // Create a new redirect response to the previous location
656 return Redirect::back();
657 // Create a new redirect response to a named route
658 return Redirect::route('foobar');
659 return Redirect::route('foobar', array('value'));
660 return Redirect::route('foobar', array('key' => 'value'));
661 // Create a new redirect response to a controller action
662 return Redirect::action('FooController@index');
663 return Redirect::action('FooController@baz', array('value'));
664 return Redirect::action('FooController@baz', array('key' => 'value'));
665 // If intended redirect is not defined, defaults to foo/bar.
666 return Redirect::intended('foo/bar');
667
668 IoC
669 App::bind('foo', function($app){ return new Foo; });
670 App::make('foo');
671 // If this class exists, it's returned
672 App::make('FooBar');
673 // Register a shared binding in the container
674 App::singleton('foo', function(){ return new Foo; });
675 // Register an existing instance as shared in the container
676 App::instance('foo', new Foo);
677 // Register a binding with the container
678 App::bind('FooRepositoryInterface', 'BarRepository');
679 // Register a service provider with the application
680 App::register('FooServiceProvider');
681 // Listen for object resolution
682 App::resolving(function($object){});
683
684 Security
685 Passwords
686 Hash::make('secretpassword');
687 Hash::check('secretpassword', $hashedPassword);
688 Hash::needsRehash($hashedPassword);
689
690 Auth
691 // Determine if the current user is authenticated
692 Auth::check();
693 // Get the currently authenticated user
694 Auth::user();

```

```

695 // Get the ID of the currently authenticated user
696 Auth::id();
697 // Attempt to authenticate a user using the given credentials
698 Auth::attempt(array('email' => $email, 'password' => $password));
699 // 'Remember me' by passing true to Auth::attempt()
700 Auth::attempt($credentials, true);
701 // Log in for a single request
702 Auth::once($credentials);
703 // Log a user into the application
704 Auth::login(User::find(1));
705 // Log the given user ID into the application
706 Auth::loginUsingId(1);
707 // Log the user out of the application
708 Auth::logout();
709 // Validate a user's credentials
710 Auth::validate($credentials);
711 // Attempt to authenticate using HTTP Basic Auth
712 Auth::basic('username');
713 // Perform a stateless HTTP Basic login attempt
714 Auth::onceBasic();
715 // Send a password reminder to a user
716 Password::remind($credentials, function($message, $user){});
717
718 Encryption
719 Crypt::encrypt('secretstring');
720 Crypt::decrypt($encryptedString);
721 Crypt::setMode('ctr');
722 Crypt::setCipher($cipher);
723
724 Mail
725 Mail::send('email.view', $data, function($message){});
726 Mail::send(array('html.view', 'text.view'), $data, $callback);
727 Mail::queue('email.view', $data, function($message){});
728 Mail::queueOn('queue-name', 'email.view', $data, $callback);
729 Mail::later(5, 'email.view', $data, function($message){});
730 // Write all email to logs instead of sending
731 Mail::pretend();
732
733 Messages
734 // These can be used on the $message instance passed into Mail::send() or Mail::queue()
735 $message->from('email@example.com', 'Mr. Example');
736 $message->sender('email@example.com', 'Mr. Example');
737 $message->returnPath('email@example.com');
738 $message->to('email@example.com', 'Mr. Example');
739 $message->cc('email@example.com', 'Mr. Example');
740 $message->bcc('email@example.com', 'Mr. Example');
741 $message->replyTo('email@example.com', 'Mr. Example');
742 $message->subject('Welcome to the Jungle');
743 $message->priority(2);
744 $message->attach('foo\bar.txt', $options);
745 // This uses in-memory data as attachments
746 $message->attachData('bar', 'Data Name', $options);
747 // Embed a file in the message and get the CID
748 $message->embed('foo\bar.txt');
749 $message->embedData('foo', 'Data Name', $options);
750 // Get the underlying Swift Message instance
751 $message->getSwiftMessage();
752
753 Queues
754 Queue::push('SendMail', array('message' => $message));
755 Queue::push('SendEmail@send', array('message' => $message));
756 Queue::push(function($job) use $id {});
757 // Same payload to multiple workers
758 Queue::bulk(array('SendEmail', 'NotifyUser'), $payload);
759 // Starting the queue listener
760 php artisan queue:listen
761 php artisan queue:listen connection
762 php artisan queue:listen --timeout=60
763 // Process only the first job on the queue
764 php artisan queue:work
765 // Start a queue worker in daemon mode

```

```
766 php artisan queue:work --daemon
767 // Create migration file for failed jobs
768 php artisan queue:failed-table
769 // Listing failed jobs
770 php artisan queue:failed
771 // Delete failed job by id
772 php artisan queue:forget 5
773 // Delete all failed jobs
774 php artisan queue:flush
775
776 Validation
777 Validator::make(
778     array('key' => 'Foo'),
779     array('key' => 'required|in:Foo')
780 );
781 Validator::extend('foo', function($attribute, $value, $params){});
782 Validator::extend('foo', 'FooValidator@validate');
783 Validator::resolver(function($translator, $data, $rules, $msgs)
784 {
785     return new FooValidator($translator, $data, $rules, $msgs);
786 });
787
788 Rules
789 accepted
790 active_url
791 after:YYYY-MM-DD
792 before:YYYY-MM-DD
793 alpha
794 alpha_dash
795 alpha_num
796 array
797 between:1,10
798 confirmed
799 date
800 date_format:YYYY-MM-DD
801 different:fieldname
802 digits:value
803 digits_between:min,max
804 boolean
805 email
806 exists:table,column
807 image
808 in:foo,bar,...
809 not_in:foo,bar,...
810 integer
811 numeric
812 ip
813 max:value
814 min:value
815 mimes:jpeg,png
816 regex:[0-9]
817 required
818 required_if:field,value
819 required_with:foo,bar,...
820 required_with_all:foo,bar,...
821 required_without:foo,bar,...
822 required_without_all:foo,bar,...
823 sometimes|required|field
824 same:field
825 size:value
826 timezone
827 unique:table,column,except,idColumn
828 url
```



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