Laravel Artisan

Laravel CLI

Route routes/web.php → dispatches → **Controller** make:controller → uses → **Model** make:model → stored by → **Migration** migrate

CONCEPTS

Every command has its own help: php artisan help <command>. Add -v to see more detail on failures.

RUN & INSPECT

php artisan list
List all commands

php artisan help *<command>*
Show a command's options

php artisan serve
Start the PHP dev server

php artisan serve --host=*<ip>* **--port=***<n>*
Serve on another host or port

php artisan dev
Server, queue, logs and Vite together

php artisan tinker
Open an interactive REPL

php artisan about
Overview of app and environment

php artisan config:show *<file>*
Print one config file's values

GENERATE CODE

php artisan make:model *<Name>*
Create a model

php artisan make:model *<Name>* **-m**
Model plus migration

php artisan make:model *<Name>* **-mfsc**
Model with migration, factory, seeder, controller

php artisan make:model *<Name>* **-a**
Model plus every companion class

php artisan make:controller *<Name>*
Create a controller

php artisan make:controller *<Name>* **--resource**
Controller with CRUD methods

php artisan make:migration *<name>*
Create a migration

php artisan make:test *<Name>*
Create a feature test

DATABASE

php artisan migrate
Run pending migrations

DATABASE (cont.)

php artisan migrate:status
Show which migrations ran

php artisan migrate:rollback
Undo the last batch

php artisan migrate:fresh
Drop all tables and re-migrate

php artisan migrate:fresh --seed
Rebuild and seed in one go

php artisan migrate --force
Run in production without a prompt

php artisan db:seed
Run the DatabaseSeeder

php artisan db:seed --class=*<Seeder>*
Run one seeder

ROUTES & CONFIG

php artisan route:list
List all routes

php artisan route:list --path=*<prefix>*
Filter routes by path

php artisan storage:link
Link public/storage to storage/app/public

CACHE & DEPLOY

php artisan optimize
Cache config, events, routes, views

php artisan optimize:clear
Remove those caches and the app cache

php artisan config:cache
Cache the merged config

php artisan config:clear
Drop the cached config

php artisan route:cache
Cache route registration

php artisan view:cache
Precompile Blade views

php artisan down
Enter maintenance mode

php artisan up
Leave maintenance mode

QUEUES & SCHEDULE

php artisan queue:work
Process queued jobs

php artisan queue:work --queue=*<a>*,*<b>*
Process queues in priority order

php artisan queue:work --tries=*<n>*
Max attempts per job

QUEUES & SCHEDULE (cont.)

php artisan queue:restart
Tell workers to exit after their job

php artisan queue:failed
List failed jobs

php artisan queue:retry all
Retry every failed job

php artisan schedule:list
List scheduled tasks

php artisan schedule:work
Run the scheduler locally

php artisan schedule:run
Run due tasks (call from cron)

TESTING

php artisan test
Run the test suite

php artisan test --filter=*<name>*
Run matching tests only

php artisan test --parallel
Run tests in several processes