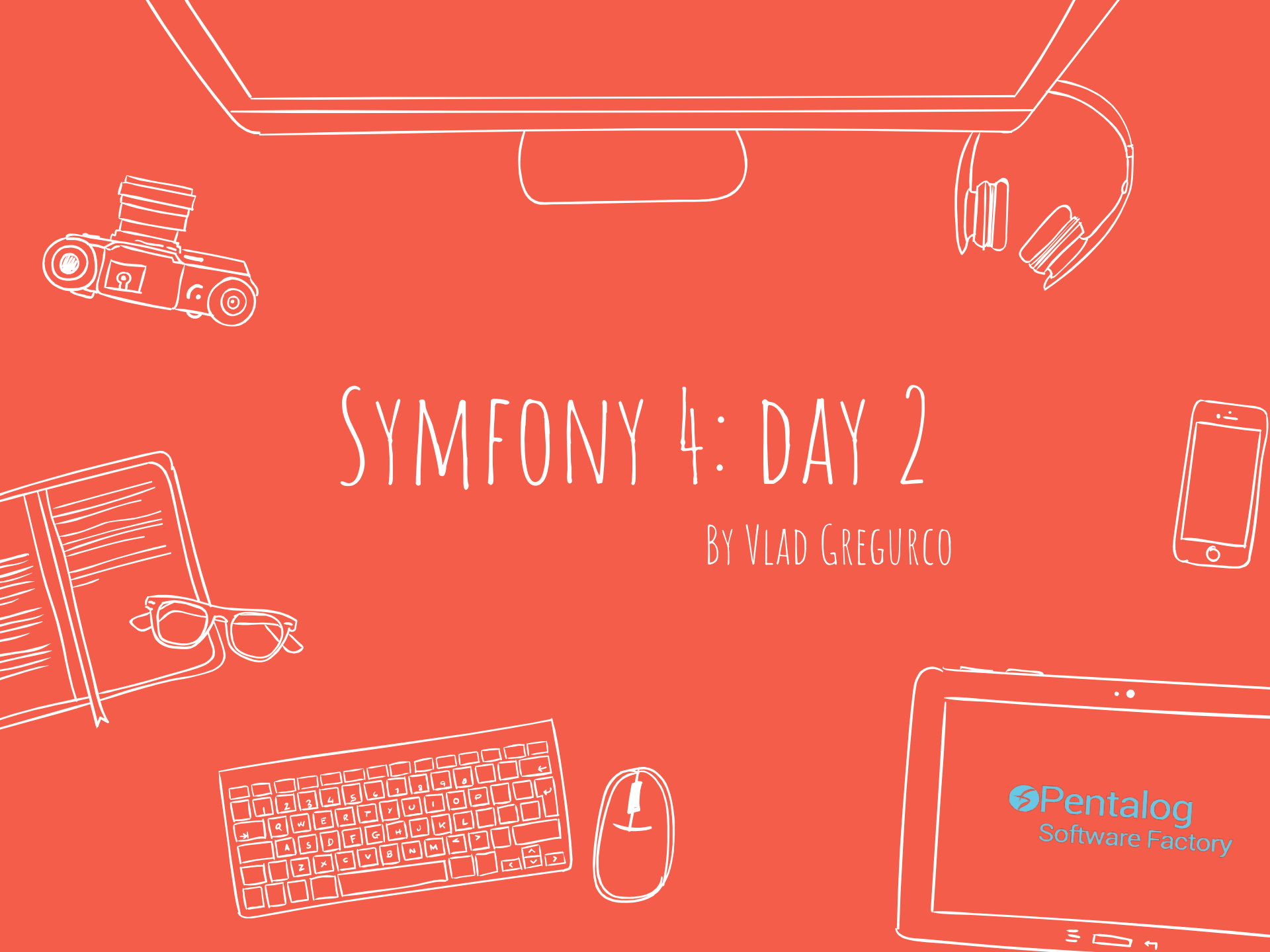


# SYMPHONY 4: DAY 2

BY VLAD GREGURCO





QUESTIONS?

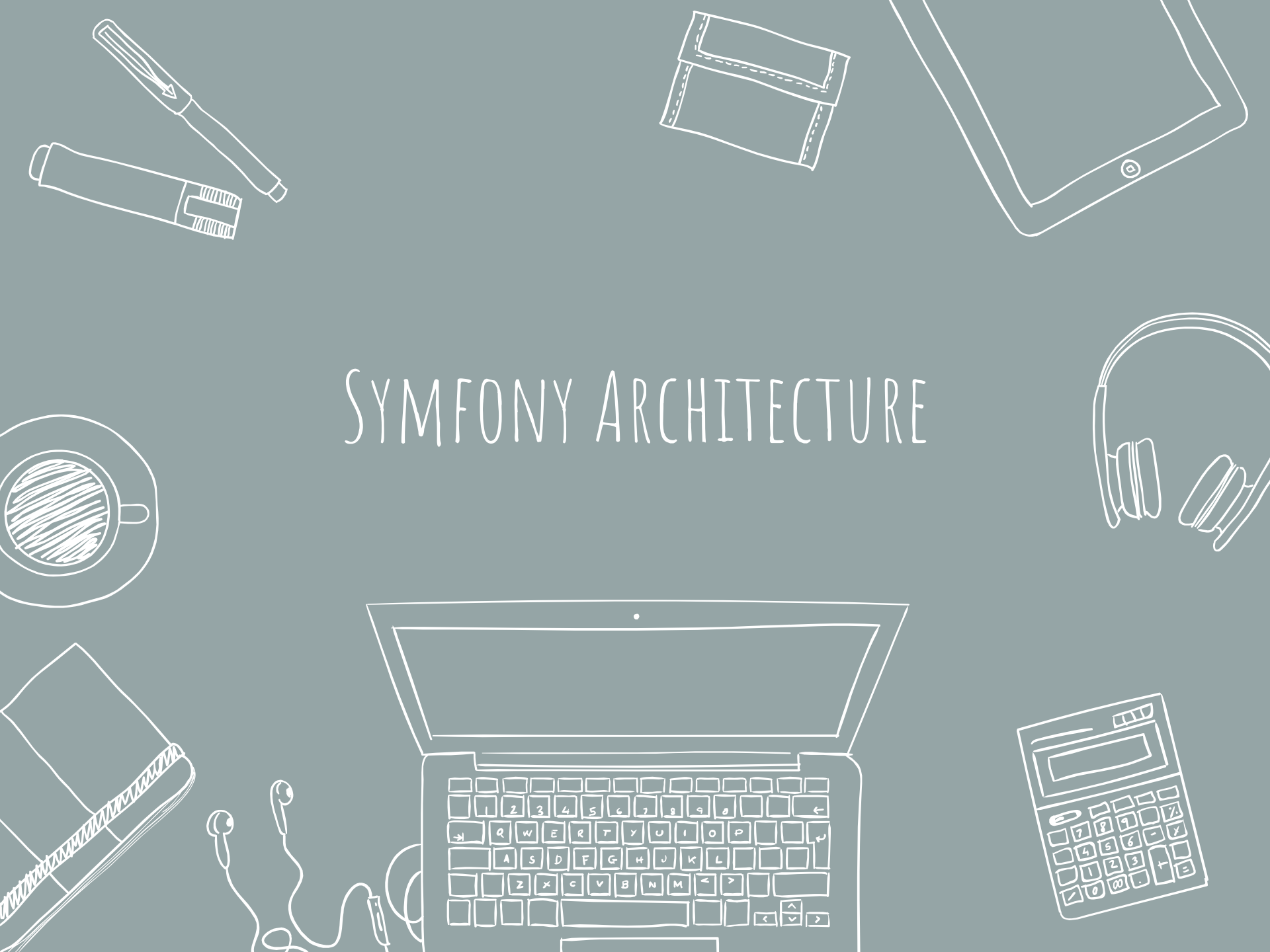




# REMARKS

- Don't push **.idea** folder! Add it to **.gitignore**
- Always end the file with new line. *"Ensure blank line before end of file on Save"* option in PhpStorm
- Use **symfony/skeleton** repo for APIs or project from scratch and **symfony/website-skeleton** for usual web sites.
- Application environment can be changed in **.env** file

# SYMFONY ARCHITECTURE



# SYMFONY ARCHITECTURE

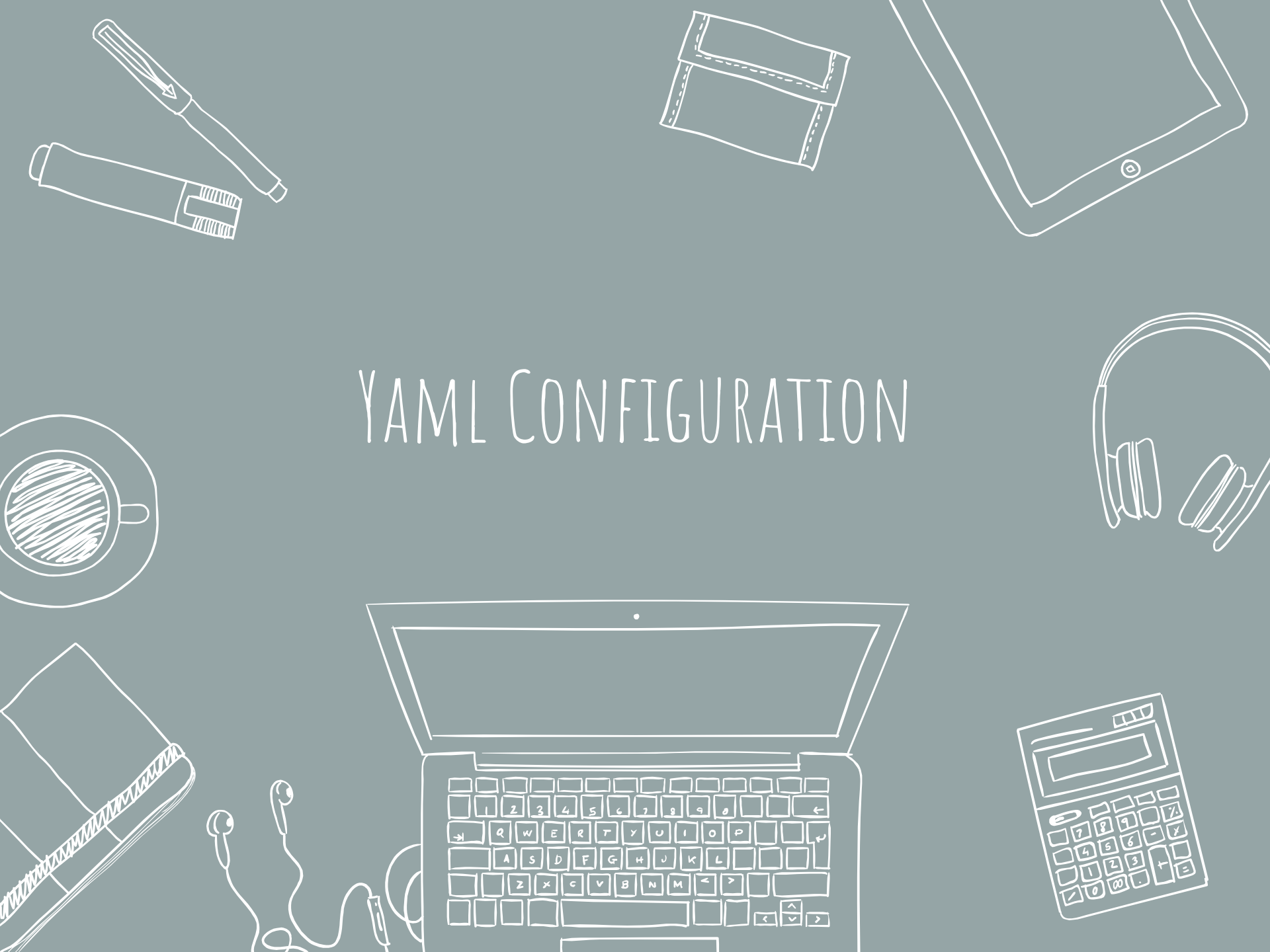
- ▶ assets
- ▶ bin
- ▶ config
- ▶ docker
- ▶ public
- ▶ src
- ▶ templates
- ▶ tests
- ▶ translations
- ▶ var
- ▶ vendor
- env
- env.dist
- gitignore
- composer.json
- composer.lock
- docker-compose.yml
- package.json
- phpunit.xml.dist
- symfony.lock
- webpack.config.js

- ▼ src
  - ▶ Controller
  - ▶ Entity
  - ▶ Migrations
  - ▶ Repository
  - Kernel.php

- ▼ var
  - ▶ cache
  - ▶ log

- ▼ config
  - ▼ packages
    - ▶ dev
    - ▶ prod
    - ▶ test
    - doctrine.yaml
    - doctrine\_migrations.yaml
    - framework.yaml
    - routing.yaml
    - security.yaml
    - swiftmailer.yaml
    - translation.yaml
    - twig.yaml
  - ▼ routes
    - ▶ dev
    - annotations.yaml
  - bundles.php
  - routes.yaml
  - services.yaml
  - services\_test.yaml

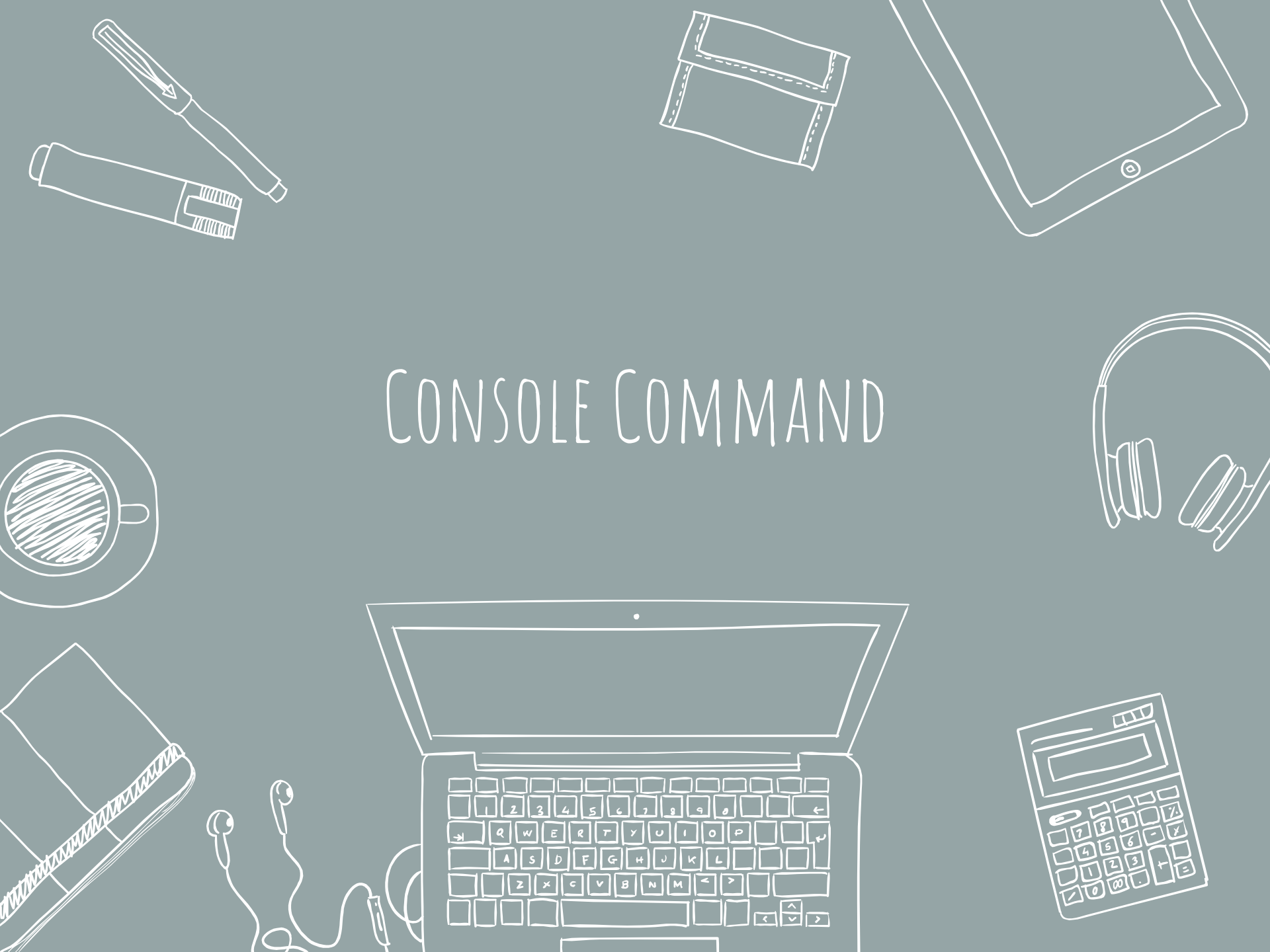
# YAML CONFIGURATION



# YAML - YET ANOTHER MARKUP LANGUAGE

```
1 doctrine:
2   dbal:
3     # configure these for your database server
4     driver: 'pdo_mysql'
5     server_version: '5.7'
6     charset: utf8mb4
7     default_table_options:
8       charset: utf8mb4
9       collate: utf8mb4_unicode_ci
10
11     url: '%env(resolve:DATABASE_URL)%'
12   orm:
13     auto_generate_proxy_classes: '%kernel.debug%'
14     naming_strategy: doctrine.orm.naming_strategy.underscore
15     auto_mapping: true
16     mappings:
17       App:
18         is_bundle: false
19         type: annotation
20         dir: '%kernel.project_dir%/src/Entity'
21         prefix: 'App\Entity'
22         alias: App
```

# CONSOLE COMMAND





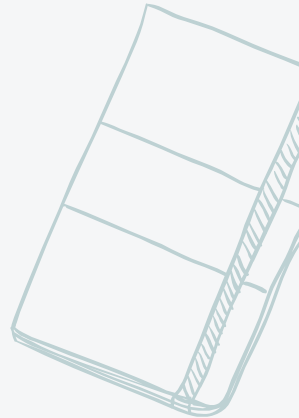






# PRACTICAL PART



- Execute in php: container: *bin/console list*
  - Use `--help`
  - Use `-v -vv -vvv`
- 
- 
- 
- 
- 



# DOCTRINE



# WHAT IS DOCTRINE?



# DOCTRINE ORM SCHEMA

Object-Relational Mapping API.  
The bridge between the relational  
model and the object model / domain model

Doctrine ORM

Complete database abstraction API,  
including introspection etc.

Doctrine DBAL

Basic cross-database API

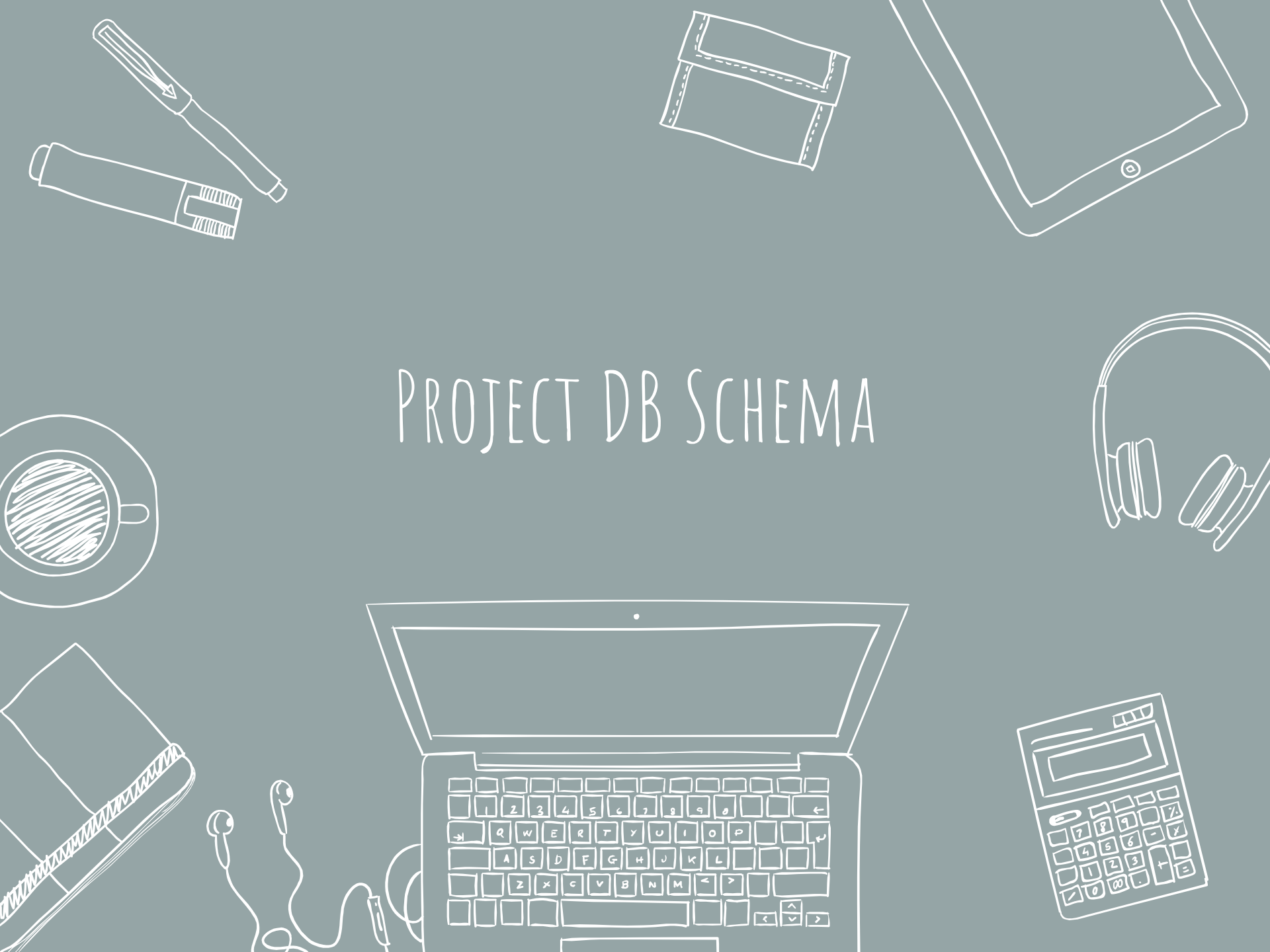
PDO



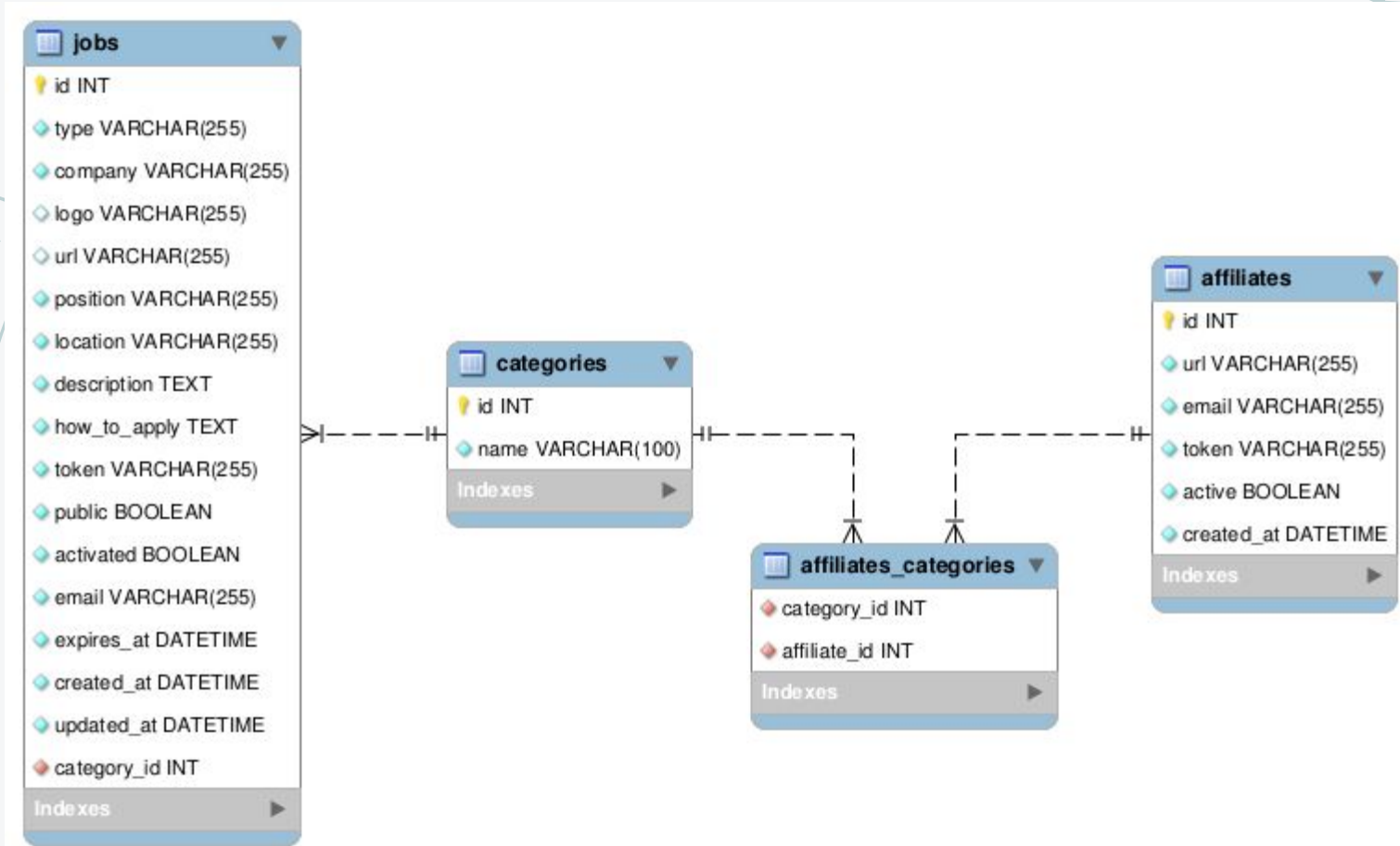
# WHAT IS ENTITY?



# PROJECT DB SCHEMA



# PROJECT DB SCHEMA



# HOMEWORK









# HOMEWORK



- Up the docker environment: `docker-compose up -d`
- Enter in php container: `docker-compose exec php-fpm bash`
- execute: container: *bin/console list*
- Read the list of commands
- Setup connection with database in `.env` file
- Create Entities (Job, Category, Affiliate) without relations
- Create migrations



# LINKS

- 
- 
- 
- 
- 
- <https://www.doctrine-project.org>
  - <https://symfony.com/doc/current/doctrine.html>
  - <https://www.doctrine-project.org/projects/doctrine-dbal/en/2.7/reference/types.html>
  - <https://symfony.com/doc/master/bundles/DoctrineMigrationsBundle/index.html>
  - <https://www.doctrine-project.org/projects/doctrine-orm/en/2.6/reference/association-mapping.html> *(for next lesson)*



QUESTIONS?





thank you!

