Development environment

Goal

- Equal understanding of the basic tools
- Share our approach to application development

PhpStorm IDE

- PHP and JS editor
  - DB, SQL, HTML
- Autocomplete
- Code standard checks
- Code version control
- Debug
- Tests
- Plugins
- and much more...

PhpStorm Symfony Plugin

- Services autocomplete
  - Type hinting
- Doctrine support
  - Entities autocomplete
  - EntityRepository (find/findOneBy/findAll/findBy)
- Templates autocomplete
- Routes autocomplete
- Translations autocomplete

Demonstration >>>

PhpStorm ORO Plugin

- Yml files autocomplete
  - Layout updates, api.yml, datagrids.yml, etc..
- Navigate -> Declaration
  - <u>Actions</u>, <u>Conditions</u>, mass_action_provider, etc.
- Translation
  - Eg. label in mass_actions
- Extended fields

Demonstration >>>

Xdebug

- Debugger
- Profiler (not recommended)
- Configurable
- Supports remote debugging
  - https://xdebug.org/docs/remote
- Quick way to enable/disable xdebug
  - phpenmod / phpdismod xdebug + restart
  - bash script

Xdebug in PhpStorm

- Debug from web browser
  - Chrome extensions, eg. Xdebug helper
- Debug from CLI
  - export XDEBUG_CONFIG="remote_enable=on idekey=PHPSTORM remote_host=127.0.0.1 remote_port=9000 remote_handler=dbgp" && export PHP_IDE_CONFIG="serverName=YOUR_SERVER_NAME"

Demonstration >>>

PHPUnit in PhpStorm

- Configuration
- Easy run using right click
- Debug

Demonstration >>>

PHP Code Sniffer in PhpStorm

- Violations of a defined coding standard
  - PSR-2
- Configuration
- Automatic check and highlight
- Suppression
  - // phpcs:ignoreFile
  - // phpcs:disable and // phpcs:enable

Demonstration >>>

PHP Mess Detector in PhpStorm

- Detects code smells and possible errors
- Configuration
- Rule sets
  - https://phpmd.org/rules/index.html
- Automatic check and highlight
- Suppression
  - @SuppressWarnings(PHPMD)

Demonstration >>>

Excluded directories in PhpStorm

- Increase development experience
- Avoid reindexing
- Directories
  - var/cache
  - var/logs
  - public/bundles

Assets via symlinks

- bin/console assets:install *--symlink*
- bin/console assetic:dump
- # bin/console oro:assets:build

Demonstration >>>

Emails

- Mailcatcher
  - https://mailcatcher.me/
- Avoid sending real emails to your clients :)
- Configuration
  - mailer_transport: smtp
  - mailer_host: 127.0.0.1
  - mailer_port: 1025
  - mailer_encryption: null
  - mailer_user: null
  - mailer_password: null

Demonstration >>>

Extras

- Shell plugins
  - git and z plugins
  - ZSH + Oh my ZSH
- Terminator terminal
  - Arrange terminals in a grid
  - Tabs, Drag and drop reordering of terminals
  - Super + g (Super + Shift + g)
- Grep for ERROR|CRITICAL
- Scripts for tedious tasks

Demonstration >>>