A Healthy Dose of Dependency Injection

Program

- Introduction

- Demo project setup

- The Cat API

- API interaction using the `CatApi\CatApi` class

  - Fiddling with the Cat API

  - Review of the "unit" tests

  - The Symfony service container

  - Defining a service for the `CatApi` class

  - The *Single responsibility principle*

- The "cache" responsibility

  - Define an *interface*

  - Extract a *class*

  - Use *composition*

  - Add a s*ervice definition*, modify the existing one

- The "HTTP client" responsibility

  - Extract a *class*

  - Instantiate the HTTP client inside the *constructor*

  - About *Dependency injection*

  - Define an *interface*

  - Introduce a *custom exception* for failed requests

  - Add a s*ervice definition*, modify the existing ones

- The "prefetch the GIF file" responsibility

  - The *Observer* design pattern

  - *Inversion of control* as design principle

  - Tagged services

LINKS

Documentation of the Dependency Injection Component

Book: Principes of Package Design