Bean Scopes

Spring Fundamentals

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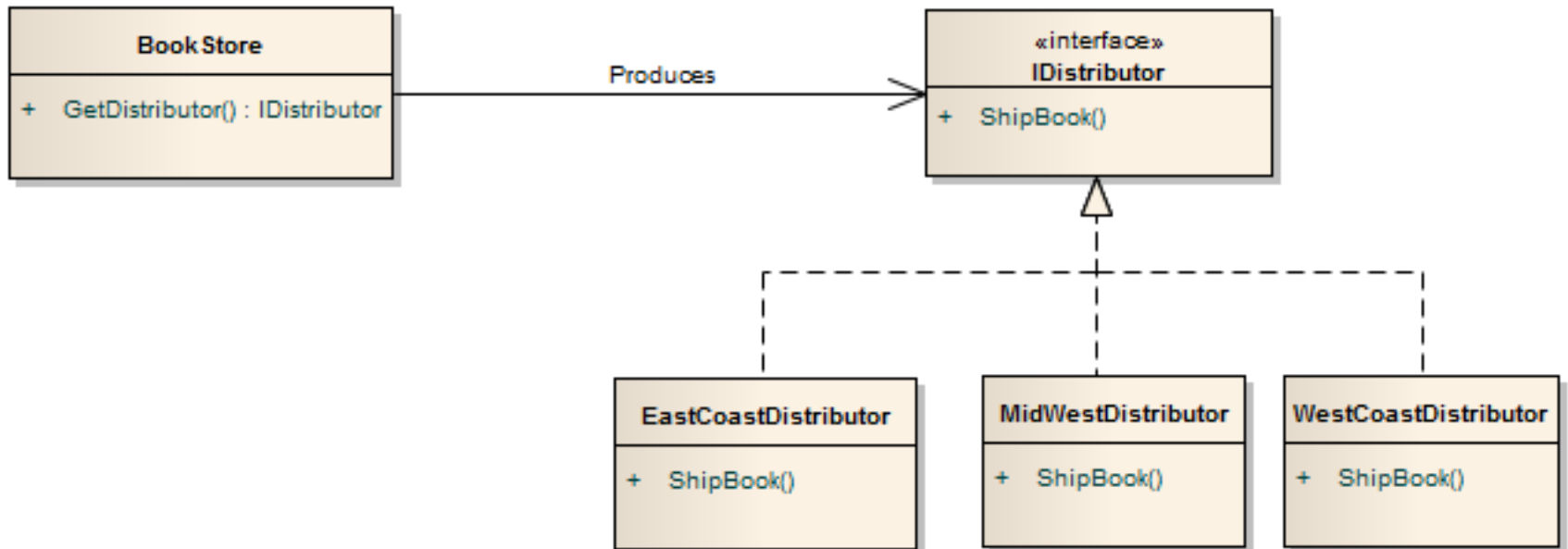twitter: bh5k
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Patterns

Scopes

- **5 Scopes in all**
- **Valid in any configuration:**
    - Singleton – (default)
    - Prototype
- **Valid only in web-aware Spring projects:**
    - Request
    - Session
    - Global

Singleton

- **Default bean scope**
- **One instance per Spring container/context**
- **Java configuration:**

```
@Bean(name = "customerService")
@Scope("singleton")
public CustomerService getCustomerService() {
```

- **The Java configuration needs the AOP jar added to the classpath**
- **XML Configuration:**

```
<bean name="customerService"
      class="com.pluralsight.service.CustomerServiceImpl"
      autowire="byName" scope="singleton">
```

Prototype

- A new instance per request
- Useful in guaranteeing that you want a new/unique instance per request
- Java Configuration:

```
@Bean(name = "customerService")
@Scope("prototype")
public CustomerService getCustomerService() {
```

- XML Configuration:

```
<bean name="customerService"
      class="com.pluralsight.service.CustomerServiceImpl"
      autowire="byName" scope="prototype">
```

Web Scopes

- **Covered more in the Spring MVC course**
  - http://pluralsight.com/training/Courses/TableOfContents/springmvc-intro
- **Request – Return a single bean per HTTP Request**
- **Session – Return a single bean per HTTP Session**
- **GlobalSession – Return a single bean per Application**

Summary

- **Scopes**
  - Singleton
  - Prototype
- **Web Scopes**
  - Request
  - Session
  - GlobalSession