

CS544 EA Spring:

Dependency Injection

Dependency Injection

- Dependency Injection is used to gain greater flexibility, loose coupling. Possible to change the connections without chancing the code.
 - Code is clean, associations not hard-coded (no new)
 - Unit testing becomes easier (inject mock)
 - AOP / Interceptors become possible (inject proxy)

How Does DI work?

Spring creates all the specified beans (config)

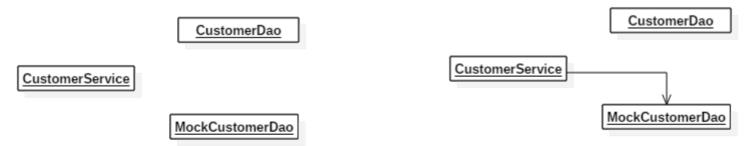
 And then sets the customerDao property inside the CustomerService class to the CustomerDao object



Change the Wiring

Spring creates all the specified beans (config)

 And then sets the customerDao property inside the CustomerService class to the MockCustomerDao object



Dependency Injection

- We will look at:
 - XML and Dependency Injection
 - Annotations and Dependency Injection
 - Java Config and Dependency Injection