* Inversion of Control (IoC)
  + outsource to an object property
* Spring IoC methods
  + Using XML Configuration file (legacy)
  + Using beans (modern)
  + Using Java Source Code (modern)
* Spring development process
  + Configuring your spring beans
  + Create a Spring Container
  + Retrieve Beans from Spring Container
* Spring Container is generally known as ApplicationContext
* A 'Spring Bean' is simply a Java Object
* Spring Injection Types
  + Constructor Injection
  + Setter Injection
  + Autowired
* Bean scopes
  + By default bean scope is singleton
  + prototype scopt to create different instance for each getBean call
* Bean Lifecycle Methods

Diagram

Description automatically generated

* + Init and destroy cannot have any args, we can have return type but we can’t capture the return value
  + For prototype scoped beans, spring does not call the destroy method
* Spring Configuration with Annotations
  + XML Configuration can be verbose for big projects. We can configure spring beans using annotations which minimizes the XML configuration
  + Annotations development process
    - Enable component scanning in Spring config file
    - Add the @component annotations to your java classes
    - Retrieve bean from spring container
  + Default bean id: the class name, make the first letter lower-case
* Spring configuration with Java annotations – dependency injection