Spring Crib Sheet

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All you need to know! (for the average user, on green field project )
Source: C:\<install dir>\spring-framework-1.1.3\docs\reference\html_single\index.html
Note from the author.
I only use Spring for IOC, not for AOP, not for DAO, not for JDBC rewrite, not for Web, or every other
part of my system. I have a JVM and an OS, I do not need yet another J2EE. This is my personal
choice, and one I am extremely happy with.
All the notes you need on Spring IOC.
      Avoid anything that ties your code to the spring framework.
       Do use {\tt ApplicationListener} to get refresh and close events for your singletons on close down
       (even though it is a spring interface).
       Use setters and not constructors for injection.
       For most users, beans in the container will be singletons. By default all beans are singletons.
       They are created by the app context at start-up unless lazy-load="true";
       If the bean is in the same xml config then use <idref local="theTargetBean"/>
       Use <ref bean="theBeanId"/> to refer to inject other beans into properties. To force order of
       creation you can use the depends-on="beanId"
       If you need lifecycle then use the init-method and destroy-method attributes. Do not do this on
       singleton beans. <bean id="egBean" class="foo" init-method="init" destroy-method="cleanup"/>
       Template beans avoid repitition; the abstract and parent attributes.
       Use ApplicationContext as your bean factory (e.g. FileSystemXmlApplicationContext)
       Do not use spring ApplicationListeners for broadcast of your own events - write your own
       mechanism and avoid being tied to spring. Event frameworks are very simple!
       ApplicationContextAware interface has method setApplicationContext() which the app context
       calls, allows the use of app contexts (resources, events etc) - but it ties you to spring!
       Data source beans are great, select your db pool implementation, define a datasource bean or set
       of them and inject it in.
       Leave the auto wiring mode alone. i.e. the default works out dependencies and creation ordering.
Client Code:
        \label{lem:fileSystem} FileSystemXmlApplicationContext \ factory = new \ FileSystemXmlApplicationContext("config.xml"); \\
BeanFactory methods:
   boolean containsBean(String)
   Object getBean(String) throws BeansException;
    Object getBean(String, Class) throws BeansException;
   boolean isSingleton(String) throws NoSuchBeanDefinitionException
   Class getType(String name) throws NoSuchBeanDefinitionException;
    String[] getAliases(String) throws NoSuchBeanDefinitionException;
Null param value null = roperty name="email"><null/>
Empty string value "" = roperty name="email">
The list, set, map, and props elements allow properties and arguments of Java type List, Set, Map, and
Properties, respectively, to be defined and set.
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE beans PUBLIC "-//SPRING//DTD BEAN//EN" "http://www.springframework.org/dtd/spring-beans.dtd">
     <!-- example of list and map and ref and property values -->
     <bean id="cityFinder" class="com.tallsoft.springeg.CityScape" singleton="true">
           cityMap">
                 <entry key="LDN"><value>London</value></entry>
                 <entry key="FFT"><value>Frankfurt</value></entry>
              </map>
           </property>
     <!-- example of list and depends on for creation ordering-->
     <bean id="region" class="com.tallsoft.springeg.RegionInfo" depends-on="cityFinder">
           property name="regions">
              st>
                 <value>Europe</value>
                 <value>America</value>
              </list>
           </property>
     </bean>
     <!-- example of template, and the init method -->
     <bean id="templateGeography" abstract="true'</pre>
        class="com.tallsoftware.springeg.BaseGeography">
         cproperty name="planetName"><value>Earth</value>
         <bean id="earth" class="com.tallsoft.springeg.PlanetInfo" parent="templateGeography" />
     <bean id="mars" class="com.tallsoft.springeg.PlanetInfo"</pre>
                     parent="templateGeography" init-method="initialize">
           <!-- overriding the value here
           cproperty name="planetName"><value>Mars/property>
     </bean>
</beans>
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