

简单模拟spring的容器管理beanJava认证考试 PDF转换可能丢失图片或格式，建议阅读原文

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https://www.100test.com/kao_ti2020/561/2021_2022__E7_AE_80_
E5_8D_95_E6_A8_A1_E6_c104_561602.htm package com.spring.
import java.io.IOException. import java.net.URL. import
java.util.ArrayList. import java.util.HashMap. import java.util.List.
import java.util.Map. import org.jdom.Document. import
org.jdom.Element. import org.jdom.JDOMException. import
org.jdom.input.SAXBuilder. import org.jdom.xpath.XPath. import
com.vo.BeanDefinition. /** * 简单模拟spring
的ClassPathXmlApplicationContext spring容器管理bean * *
@author 100test * */ @SuppressWarnings("unchecked") public class
MyApplicationContext { private List<T> list = new ArrayList<T>().
private Map<T, T> singletons = new HashMap<T, T>(). public
MyApplicationContext(String fileName) { this.readXML(fileName).
try { instanceBeans(). } catch (Exception e) { e.printStackTrace(). } }
/** * 实例化所有bean * * @throws InstantiationException *
@throws IllegalAccessException * @throws
ClassNotFoundException */ private void instanceBeans() throws
InstantiationException, IllegalAccessException,
ClassNotFoundException { for (BeanDefinition bean : list) { if (null
!= bean.getClassName() && bean.getClassName().length()
> 0) { Element doc = saxBuilder.build(new URL(fileName).
toURI()).getRootElement(). selectNodes(doc, "//bean").
for (Element bean : beans) { String id = bean.getAttributeValue("id"). String className
= bean.getAttributeValue("class"). BeanDefinition beanDefinition =
new BeanDefinition(id, className). list.add(beanDefinition). } }
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catch (JDOMException e) { e.printStackTrace(). } catch
(IOException e) { e.printStackTrace(). } } /** * 得到指定id的bean
* * @param id * @return */ public Object getBean(String id) { return
sigletons.get(id). } } 测试： @Test public void testMyUserService()
{ MyApplicationContext ctx = new
MyApplicationContext("beans.xml"). UserService us =
(UserService) ctx.getBean("userService"). us.print(). } 100Test 下载
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