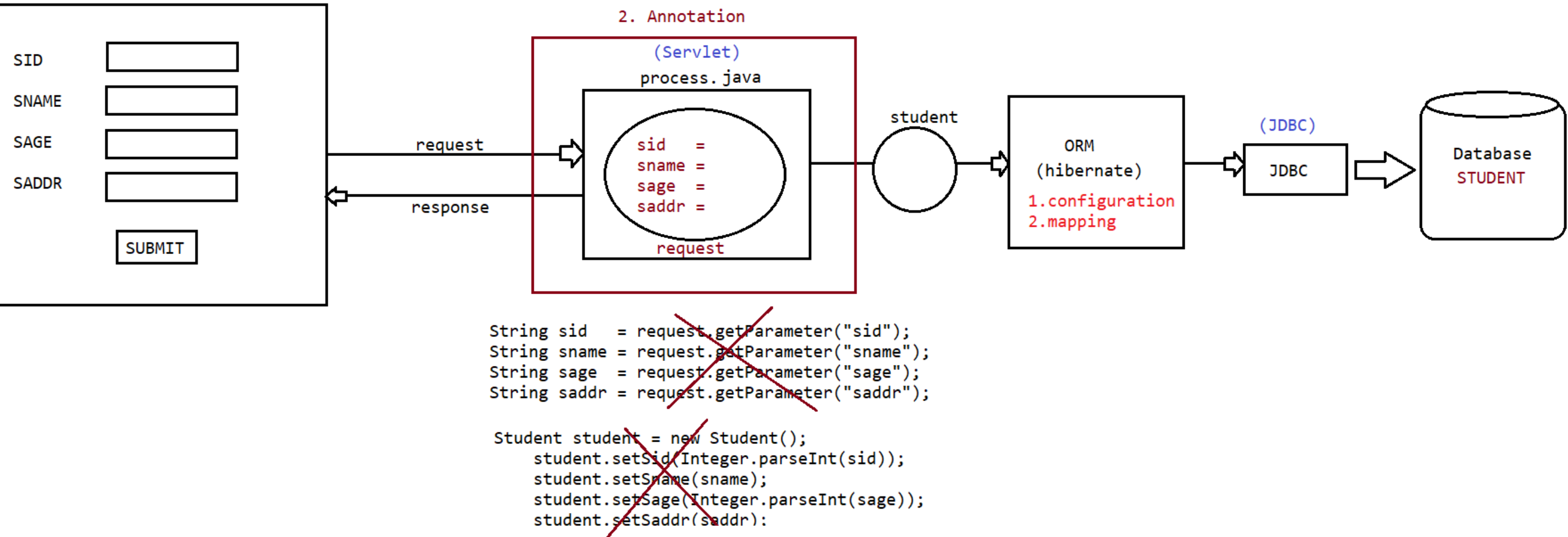
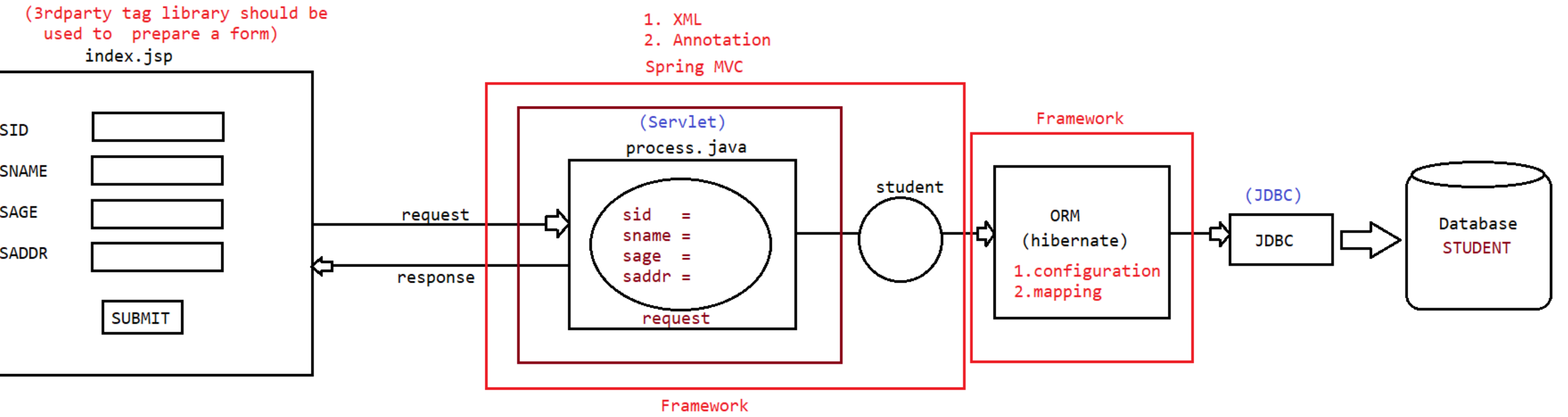


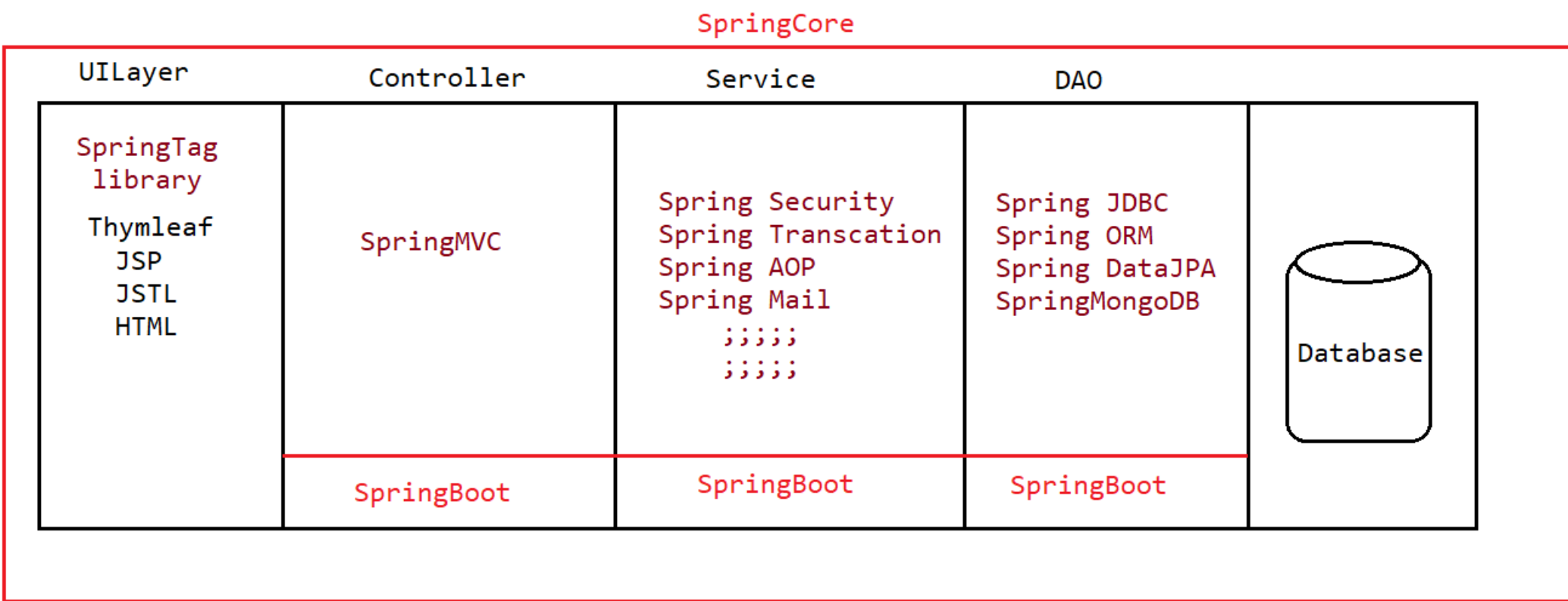
Building application using Technology



Building application using Framework



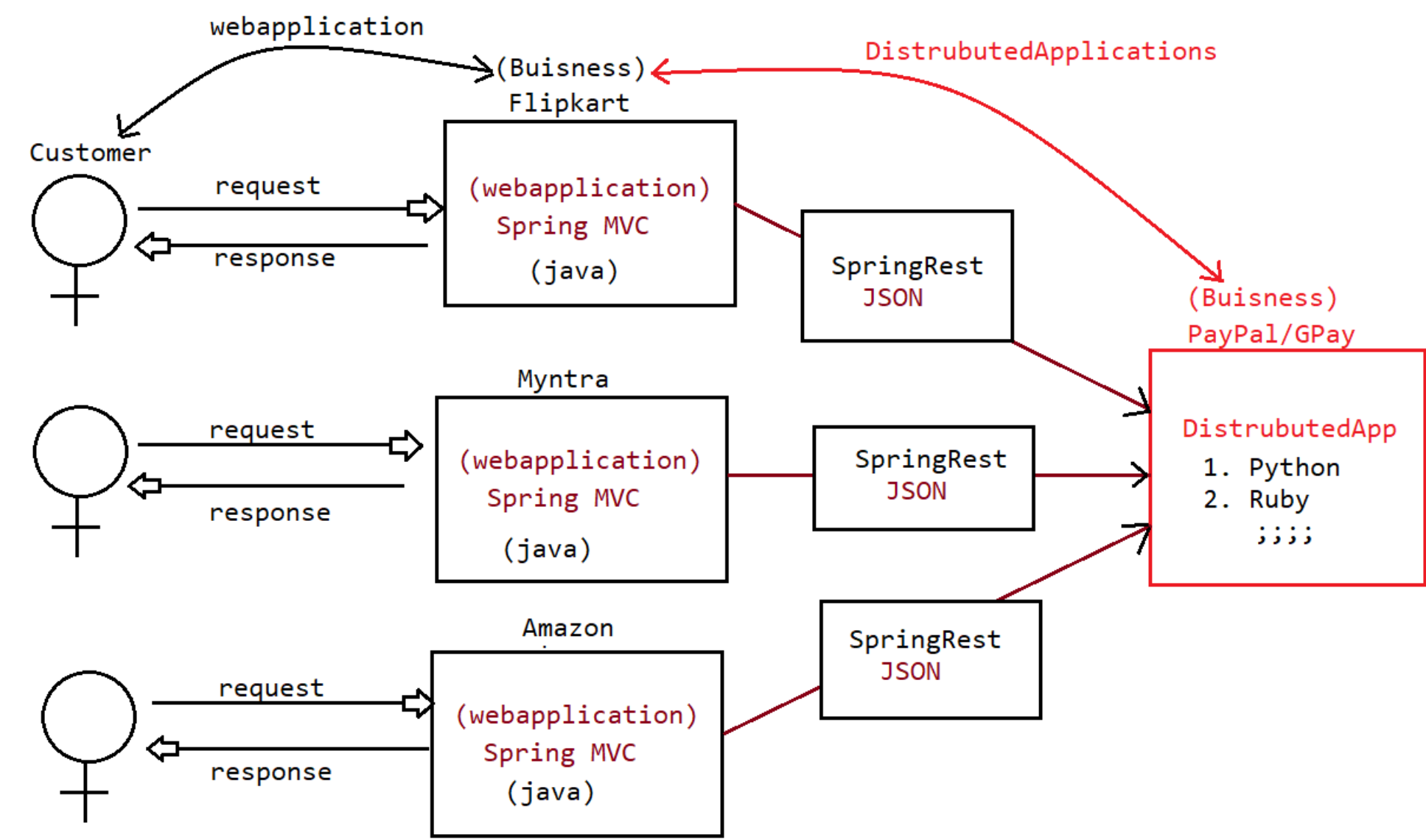
Application Framework



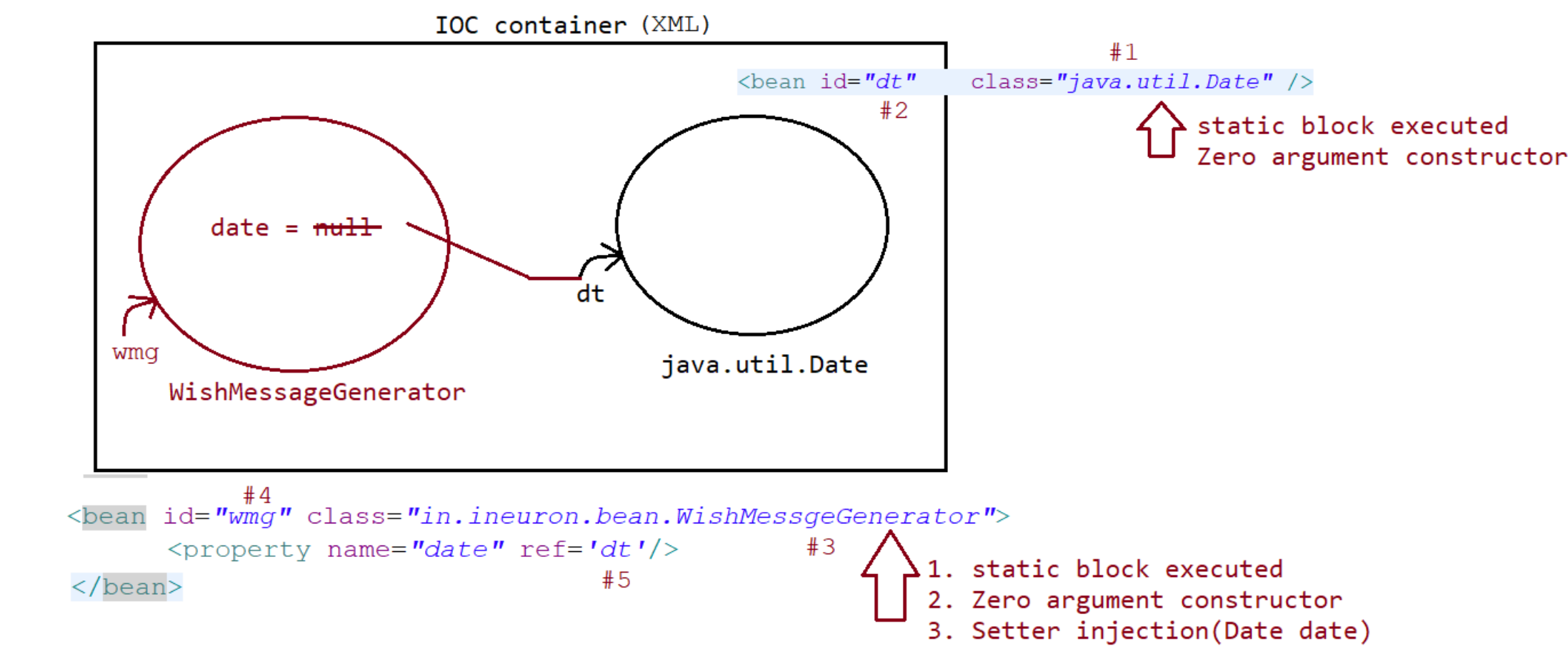
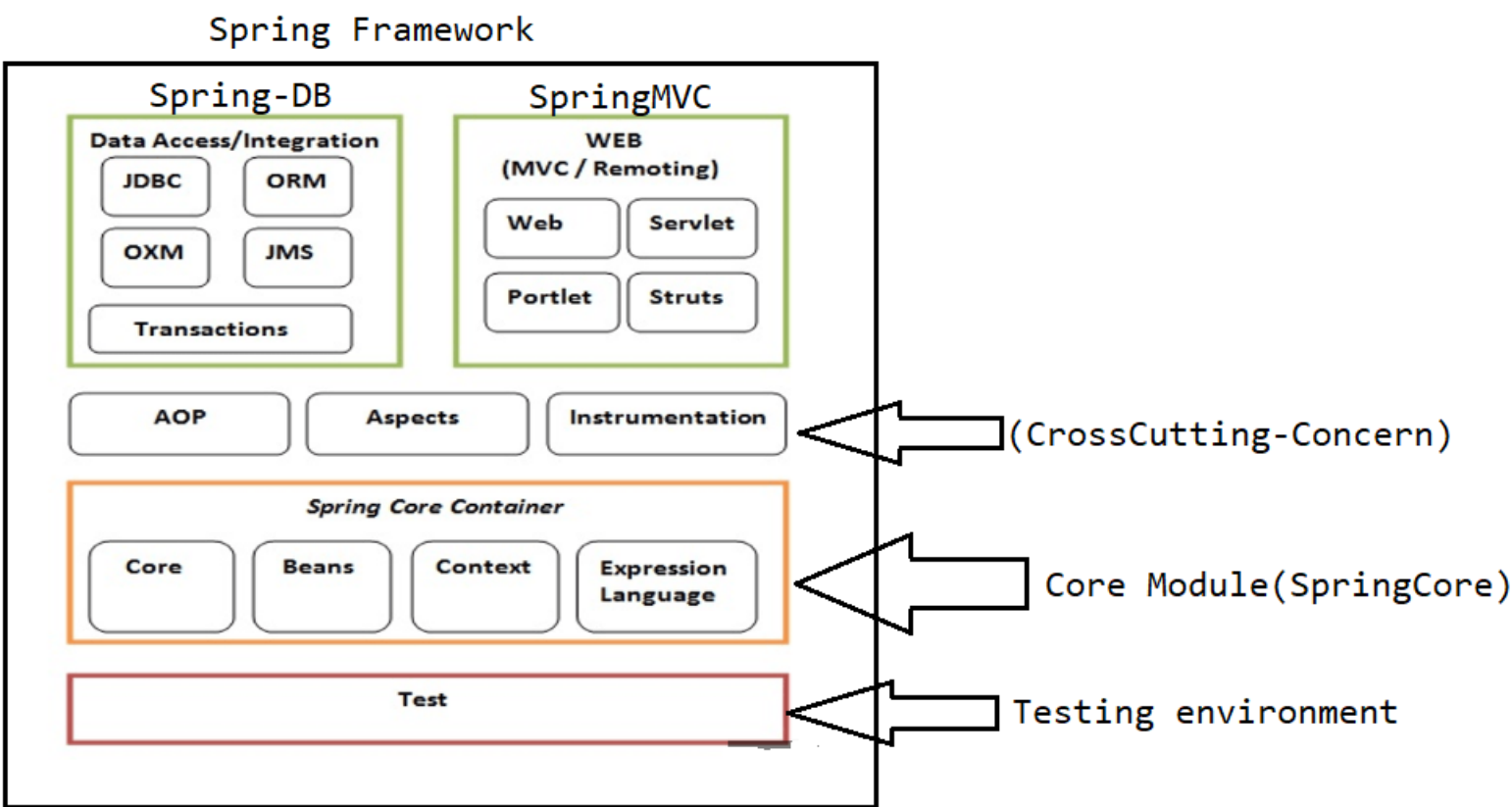
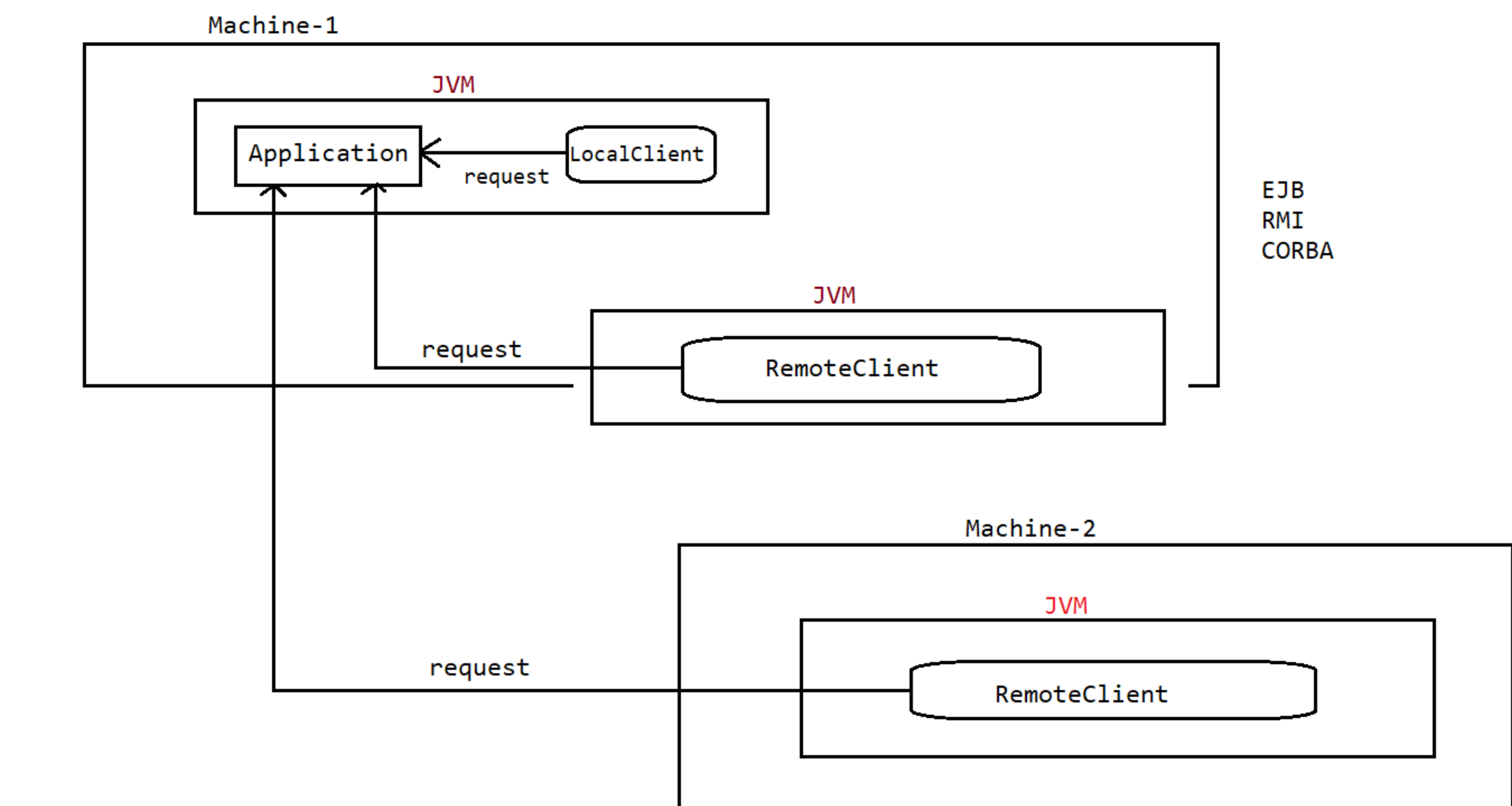
SpringContainer can be configured in 4 ways

- XML driven configuration
- Annotation driven configuration
- Purejava configuration
- SpringBoot AutoDriven Configuration[RAD-> Rapid Application Development]

DisturbedApplication Development



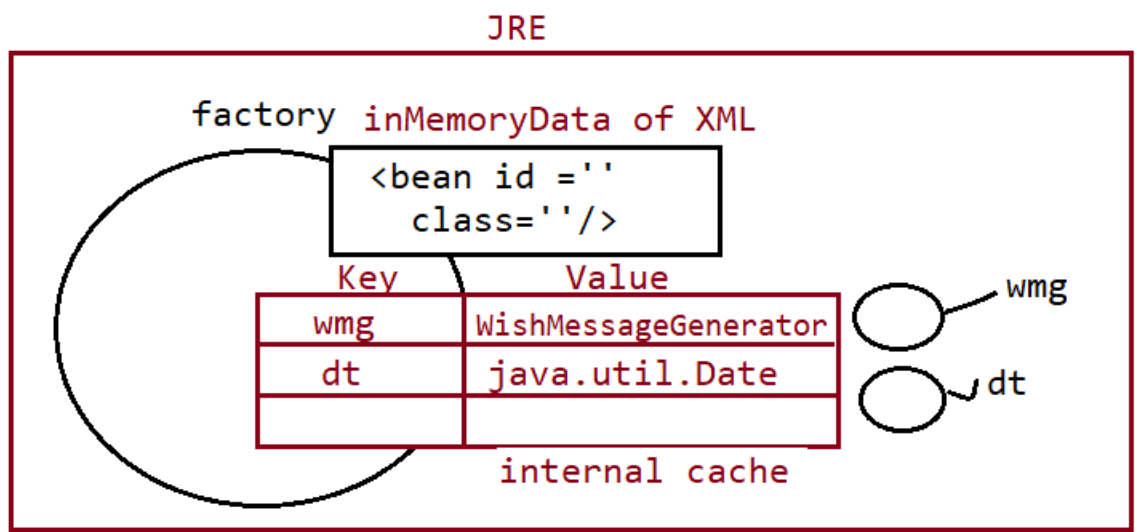
LocalClient/RemoteClient



```
//using the FileSystemResource to locate the configuration file
FileSystemResource resource = new FileSystemResource("./src/applicationContext.xml");
// Creating an IOC container
XmlBeanFactory factory = new XmlBeanFactory(resource);
//Requesting IOC container to give the Object
WishMessgeGenerator generator= factory.getBean("wmg", WishMessgeGenerator.class);
```

- IOC container will be created by taking the help of configuration details.
- Configuration details are supplied in the form of "applicationContext.xml" file.
- IOC container name is "XmlBeanFactory"
- factory.getBean("wmg",WishMessageGenerator.class)
↑ container will check whther there is a id called "wmg" configured in applicationContext.xml file
- corresponding to id called "wmg" it checks the class and it sees <property> tag, so it would get to know it is setter injection so container will perform the following action.
Class c = Class.forName("in.ineuron.bean.WishMessageGenerator")
WishMessageGenerator wmg =(WishMessagGenerator)c.newInstance();
- container should perform setter injection, so it referes to property called "dt". and it checks for "dt"==>id in configuration file.
- Container will see the id==> dt and it checks the class name corresponding class will be loaded using
Date dt=(Date)Class.forName("java.util.Date").newInstance();
- Now Container will perform Setter Dependency Injection on the Target Object as shown below.
wmg.setDate(dt)
- Before giving the Target Object to the java app container will maintain a cache where it will keep track of the objects in the form of key-value pair for the future usage to improve the performance.

Key	Value
wmg	WishMessageGenerator
dt	java.util.Date



- At the end of main method since all the variables are local they will be vanished, In the mean time IOC-container will be destroyed, which internally removes the cache Data and also inMemoryData also.