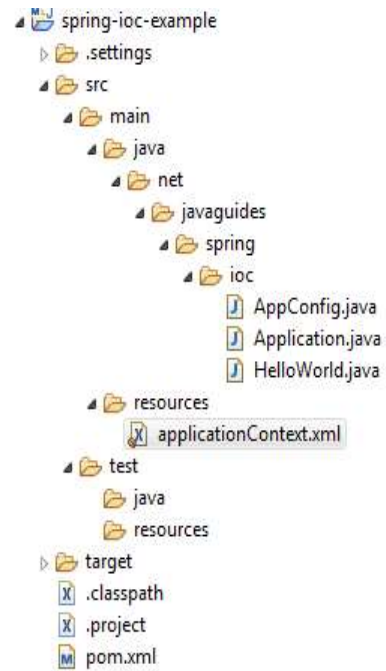## Step 1: Create a Simple Maven Project

Create a simple Maven project using your favourite IDE (Eclipse for java Developers)

Step 2: Project Structure

This diagram shows a project structure for our reference:

```
spring-ioc-example
  .settings
  src
    main
      java
        net
          javaguides
            spring
              ioc
                AppConfig.java
                Application.java
                HelloWorld.java
        resources
          applicationContext.xml
    test
      java
      resources
  target
  .classpath
  .project
  pom.xml
```

Step 3: Add Maven Dependencies

Add the following content to the `pom.xml` file:

<dependency>

        <groupId>org.springframework</groupId>

        <artifactId>spring-context</artifactId>

        <version>6.0.6</version>

</dependency>

Step 4: Configure Bean Class

Configure bean class in src/main/java (please create a package first)

```java
// package definition
import lombok.Data;

@Data
public class HelloWorld {              name represents var in bean class
    private String msg;
}
```
Now configure this information in xml file (i.e ApplicationContext.xml file)
```xml
<bean id="helloWorldBean" class="net.javaguides.spring.ioc.HelloWorld">
        <property name="msg" value="Hello World!" />
</bean>
```

Step 5: Create a Spring Container

If we have a Spring bean configuration XML file in a standalone application, we can
use `ClassPathXmlApplicationContext` class to load the file and get the container object.

```java
package spring.ioc;
import org.springframework.context.ApplicationContext;
import org.springframework.context.support.ClassPathXmlApplicationContext;
import org.springframework.stereotype.Controller;

@Controller
public class HelloController {
    @SuppressWarnings("resource")
    public static void main(String[] args) {
        ApplicationContext context = new
ClassPathXmlApplicationContext("ApplicationContext.xml");
        HelloWorld obj = (HelloWorld) context.getBean("helloWorldBean");
        System.out.println(obj.getMsg());
    }
}
```