

Setter Injection



Spring Injection Types

- Constructor Injection
- Setter Injection

**Inject dependencies by calling
setter method(s) on your class**

Development Process - Setter Injection

1. Create setter method(s) in your class for injections
2. Configure the dependency injection in Spring config file

Step-By-Step

Step 1: Create setter method(s) in your class for injections

File: CricketCoach.java

```
public class CricketCoach implements Coach {  
  
    private FortuneService fortuneService;  
  
    public CricketCoach() {  
    }  
  
    public void setFortuneService(FortuneService fortuneService) {  
        this.fortuneService = fortuneService;  
    }  
    ...  
}
```

Step 2: Configure the dependency injection in Spring config file

File: applicationContext.xml

```
<bean id="myFortuneService"
      class="com.luv2code.springdemo.HappyFortuneService">
</bean>

<bean id="myCricketCoach"
      class="com.luv2code.springdemo.CricketCoach">

    <property name="fortuneService" ref="myFortuneService" />

</bean>
```

Call setter method on Java class

```
<property name="fortuneService" ref="myFortuneService" />
```

```
public void setFortuneService(...)
```

Call setter method on Java class

```
<property name="bestAthlete" ref="..."/>
```

```
public void setBestAthlete(...)
```

How Spring Processes your Config File

```
<bean id="myFortuneService"  
      class="com.luv2code.springdemo.HappyFortuneService">  
</bean>
```

Spring Framework

FortuneService myFortuneService =
 new HappyFortuneService();

How Spring Processes your Config File

```
<bean id="myFortuneService"
      class="com.luv2code.springdemo.HappyFortuneService">
</bean>
```

Spring Framework

FortuneService myFortuneService =
new HappyFortuneService();

```
<bean id="myCricketCoach"
      class="com.luv2code.springdemo.CricketCoach">

      <property name="fortuneService" ref="myFortuneService" />
</bean>
```

Spring Framework

CricketCoach myCricketCoach =
new CricketCoach();

myCricketCoach.setFortuneService(myFortuneService);

Bonus

Step 2: Configure the dependency injection in Spring config file

File: applicationContext.xml

```
<bean id="myCricketCoach"
      class="com.luv2code.springdemo.CricketCoach">

    <property name="fortuneService" ref="myFortuneService" />

</bean>
```