1. Create AuctionAspect.java

package edu.mum.aspect;  
  
import org.aspectj.lang.JoinPoint;  
import org.aspectj.lang.annotation.Aspect;  
import org.aspectj.lang.annotation.Before;  
import org.aspectj.lang.annotation.Pointcut;  
import org.springframework.stereotype.Component;  
  
import java.util.logging.Logger;  
  
  
@Aspect  
@Component  
public class AuctionAspect {  
  
 @Pointcut("execution(\* edu.mum.service..\*(..))")  
 public void applicationMethod(){}  
  
 @Before("applicationMethod()")  
 public void printMethodName(JoinPoint joinPoint){  
 System.*out*.println("" + joinPoint.getSignature().getName());  
 }  
}

1. Result:

save

update

save

save

save

save

findOne

findOne

update

update

update

findByCategoryName

1. (..) to (Long) in pointcut arguments

Result:

findOne

findOne

1. (Long) to () in pointcut arguments

Result:

Nothing prints in method name

1. Added a findAll() to testItems.java

Result:

findAll

1. Replaced execution to within() pointcut

Result:

save

update

save

save

save

save

findOne

findOne

update

update

update

findAll

findByCategoryName

1. Added Advice method with User parameter.

// @Pointcut("execution(\* edu.mum.service..\*())")  
// @Pointcut("within(edu.mum.service..\*)")  
 @Pointcut("within(edu.mum.service..\*) && args(user)")  
 public void applicationMethod(User user){}  
  
// @Before("applicationMethod()")  
// public void printMethodName(JoinPoint joinPoint){  
// System.out.println("" + joinPoint.getSignature().getName());  
// }  
  
 @Before("applicationMethod(user)")  
 public void logResourceName(JoinPoint joinPoint, User user){  
 System.*out*.println("User: " + user.getFirstName());  
 }

Result:

User: John

User: Jane

User: Jane