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## XML (config+class) public class ConcurrentOperationExecutor implements Ordered { private static final int DEFAULT\_MAX\_RETRIES = 2; private int maxRetries = DEFAULT\_MAX\_RETRIES; <aop:config> <aop:aspect id="concurrentOperationRetry" ref="concurrentOperationExecutor"> public void setMaxRetries(int maxRetries) { this.maxRetries = maxRetries; <aop:pointcut id="idempotentOperation" expression="execution(\* com.xyz.myapp.service.\*.\*(..))"/> public int getOrder() { return this.order; pointcut-ref="idempotentOperation" method="doConcurrentOperation"/> public void setOrder(int order) { </aop:aspect> </aop:config> <bean id="concurrentOperationExecutor" class="com.xyz.myapp.service.impl.ConcurrentOperationExecutor"> cproperty name="maxRetries" value="3"/> cproperty name="order" value="100"/> public Object doConcurrentOperation(ProceedingJoinPoint pjp) throws Throwable { int numAttempts = 0; PessimisticLockingFailureException lockFailureException; numAttempts++; try { return pjp.proceed(); catch(PessimisticLockingFailureException ex) { lockFailureException = ex; } while(numAttempts <= this.maxRetries); throw lockFailureException;</pre>

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```
public class MainController {
                                                                                                      @RequestMapping(value = "/{type:.+}", method = RequestMethod.GET)
public ModelAndView getPages(@PathVariable("type") String type)
                                                                                                           throws Exception (
                                                                                                        if ("error".equals(type)) {
                                                                                                          // go handleCustomException
throw new CustomGenericException("E888", "This is custom message");
                                                                                                        } else if ("io-error".equals(type)) {
  // go handleAllException
                                                                                                           throw new IOException();
                                                                                                           return new ModelAndView("index").addObject("msg", type);
              @ExceptionHandler
               (intercept a
                                                                                                      @ {\sf ExceptionHandler} ({\sf CustomGenericException.class})
                                                                                                      public ModelAndView handleCustomException(CustomGenericException ex) {
              particular exception
                                                                                                           ModelAndView model = new ModelAndView("error/generic_error");
                                                                                                          model.addObject("errCode", ex.getErrCode());
model.addObject("errMsg", ex.getErrMsg());
              inside one class)
                                                                                                      @ExceptionHandler(Exception.class)
public ModelAndView handleAllException(Exception ex) {
                                                                                                          ModelAndView model = new ModelAndView("error/generic_error");
model.addObject("errMsg", "this is Exception.class");
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```

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