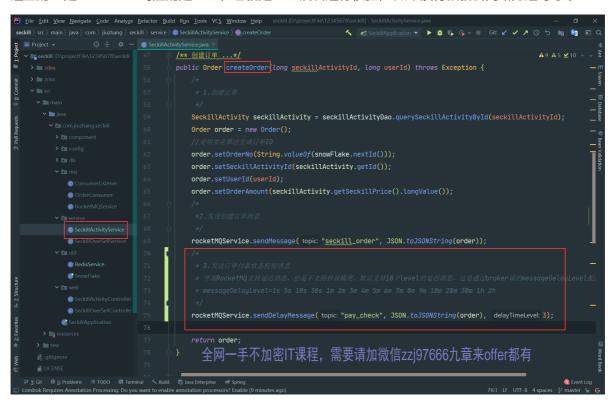
《保姆级教程》第十集 超时订单处理 功能

1. 在创建订单 createOrder 方法中添加 "发送订单付款状态校验消息" 功能

这里的 3 是 Level = 3 对应的是 10s , 也就是 10s 后会进行校验 , 如果没付款就会判断为超时订单



```
/*
    * 3.发送订单付款状态校验消息
    * 开源RocketMQ支持延迟消息,但是不支持秒级精度。默认支持18个level的延迟消息,这是通过broker端的messageDelayLevel配置项确定的,如下:
    * messageDelayLevel=1s 5s 10s 30s 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m 20m
30m 1h 2h
    */
    rocketMQService.sendDelayMessage("pay_check", JSON.toJSONString(order),
3);
```

2. 创建 "订单付款状态信息的消费者" 类: PayStatusCheckListener

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```

3. 完善 onMessage 方法,处理超时订单

接下来我们——实现这二个方法。

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```

```
@S1f4j
@Component
@RocketMQMessageListener(topic = "pay_check", consumerGroup = "pay_check_group")
public class PayStatusCheckListener implements RocketMQListener<MessageExt> {
     @Autowired
     private OrderDao orderDao;

     @Autowired
     private SeckillActivityDao seckillActivityDao;
```

```
@Resource
   private RedisService redisService;
   @override
   @Transactional
   public void onMessage(MessageExt messageExt) {
       String message = new String(messageExt.getBody(),
StandardCharsets.UTF_8);
       log.info("接收到订单支付状态校验消息:" + message);
       Order order = JSON.parseObject(message, Order.class);
       //1. 查询订单
       Order orderInfo = orderDao.queryOrder(order.getOrderNo());
       //2. 判读订单是否完成支付
       if (orderInfo.getOrderStatus() != 2) {
           //3.未完成支付关闭订单
           log.info("未完成支付关闭订单,订单号: " + orderInfo.getOrderNo());
           orderInfo.setOrderStatus(99);
           orderDao.updateOrder(orderInfo);
           //4.恢复数据库库存
           seckillactivityDao.revertStock(order.getSeckillactivityId());
           // 恢复 redis 库存
           redisService.revertStock("stock:" + order.getSeckillActivityId());
   }
}
```

4. 实现 seckillActivityDao.revertStock() 方法

1. 创建 seckillActivityDao.revertStock() 方法

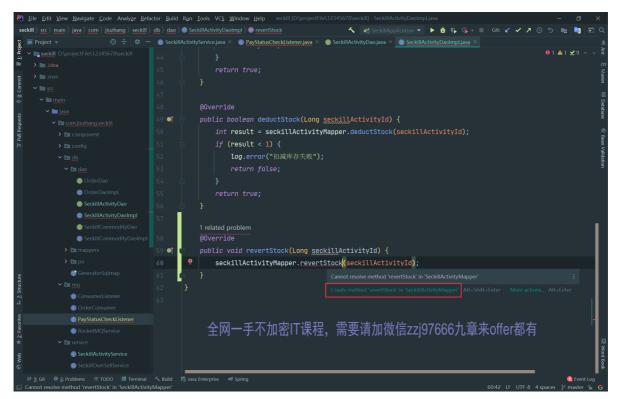
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```

2. 实现 SeckillActivityDaoImpl.revertStock() 方法

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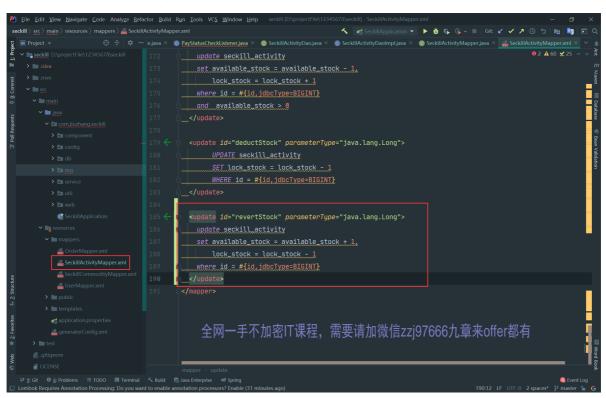
```
@Override
public void revertStock(Long seckillActivityId) {
    seckillActivityMapper.revertStock(seckillActivityId);
}
```

3. 编写 SeckillActivityMapper.revertStock() 方法



```
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```

4. 编写 SeckillActivityMapper.revertStock() 方法对应的 SQL 语句



好了, 到这里我们"恢复数据库库存"的方法 revertStock 就写完了

5. 实现 redisService.revertStock() 方法

```
String message = new String(messageExt.getBody(), StandardCharsets.UTF_8);
                                       log.info("接收到订单支付状态校验消息:" + message);
                                       Order orderInfo = orderDao.queryOrder(order.getOrderNo());
                                       if (orderInfo.getOrderStatus() != 2) {
   Roc
                                          orderInfo.setOrderStatus(99);
                                          orderDao.updateOrder(orderInfo);
                                          seckillActivityDao.revertStock(order.getSeckillActivityId());
                                           redisService.revertStock("stock:" + order.getSeckillActivityId());

    ⊕ G: Problems 

    ≡ TODO 

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    □ Java Enterprise 
    ✓ Spring olve method 'revertStock' in 'RedisService'

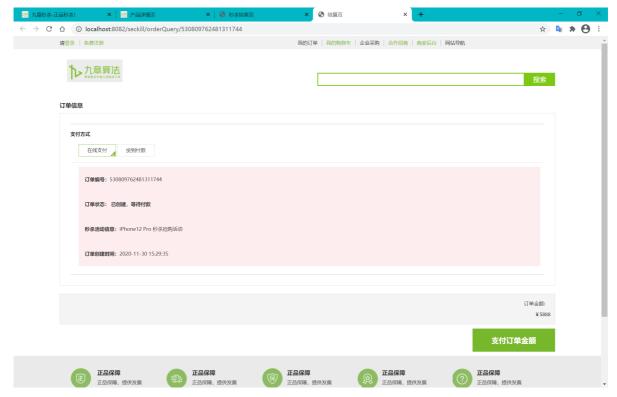
                                                               🌓 🕕 SeckillActivityDao.java 🗴 📵 SeckillActivityDaolmpl.java 🗴 🕕 SeckillActivityMapper.java
                                          System.out.println("库存扣减失败: " + throwable.toString());
                                        if(jedisClient != null) {
                                            jedisClient.close();
   ⊘Si
                                      Jedis jedisClient = jedisPool.getResource();
                                      jedisClient.close();
                                 全网一手不加密IT课程,需要请加微信zzj97666九章来offer都有
 * 超时未支付 Redis 库存回滚
 * @param key
 */
public void revertStock(String key) {
       Jedis jedisClient = jedisPool.getResource();
       jedisClient.incr(key);
       jedisClient.close();
}
```

6. 测试 处理超时未支付订单 功能

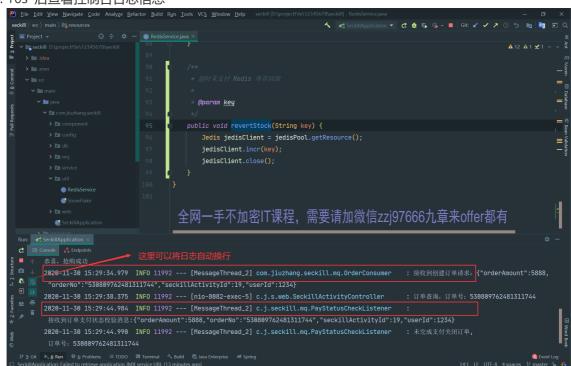
1. 启动项目,清空控制台日志信息



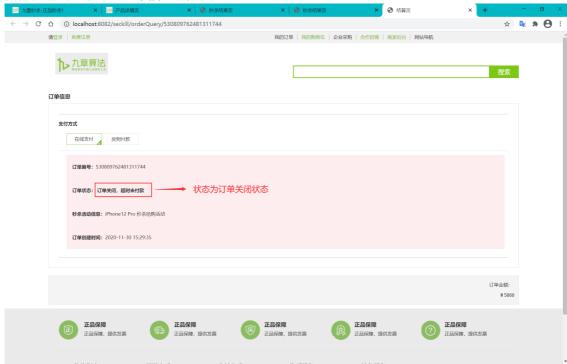
3. 查看订单信息



4. 10s 后查看控制台日志信息



5. 我们在刷新一下查询订单信息的页面



全网一手不加密IT课程,需要请加微信zzj97666九章来offer都有

超时订单处理部分就到这里了。