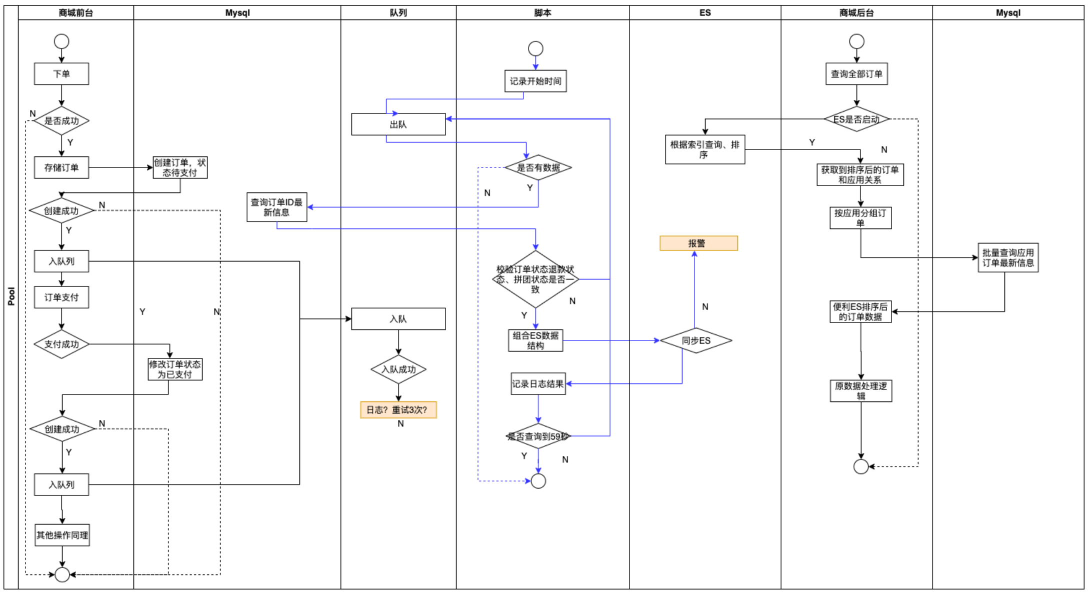
ES订单整合

一、订单流程：

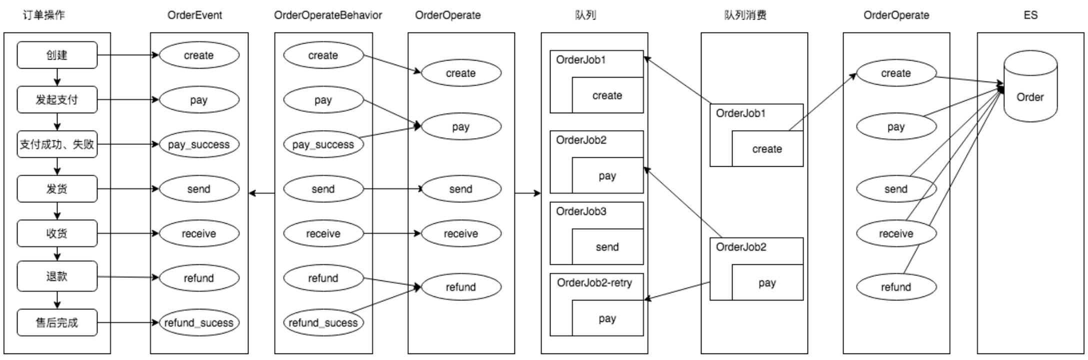
订单操作 –>触发订单事件 –>生成队列任务–>入队列

队列消费 –> 解析队列任务 –> 进行消费同步ES库 –> 错误处理

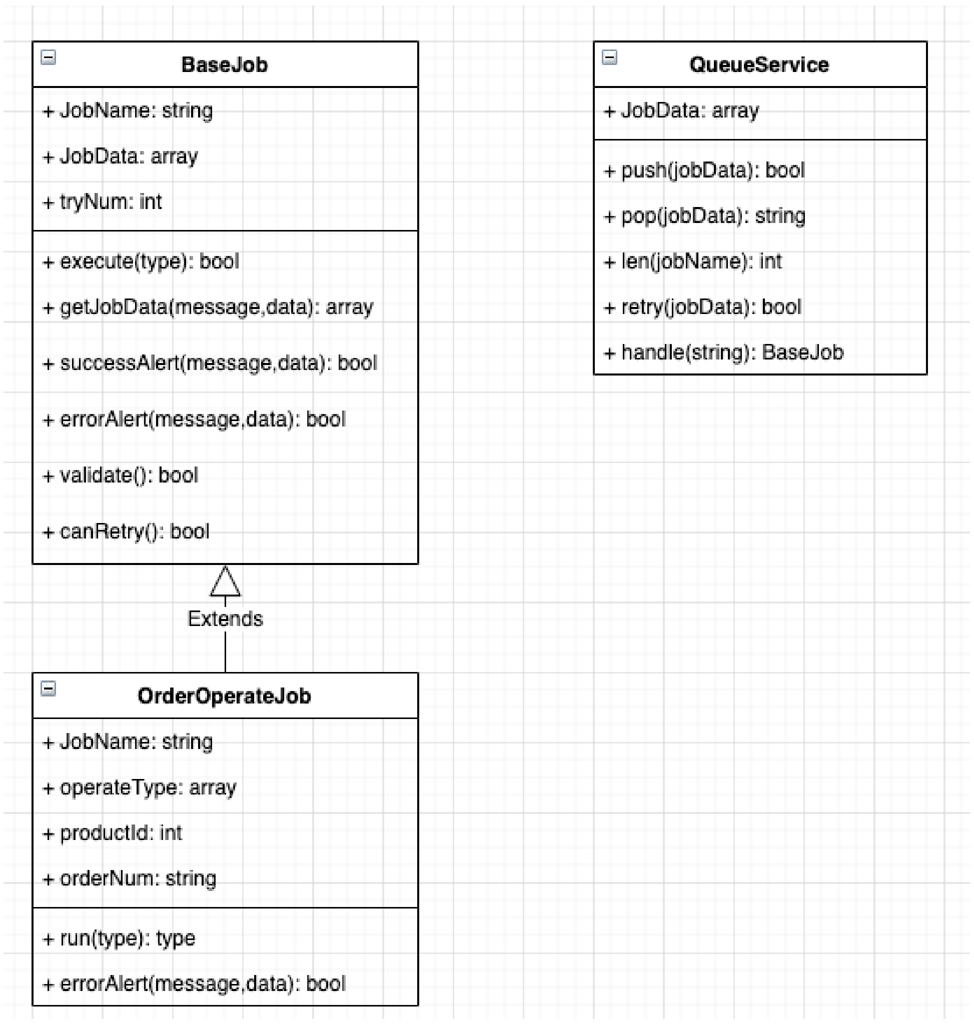
查询操作 –> ES开关 –> ES搜索 –> 数据库查询 –>接口返回



二、订单事件及入队过程



三、队列服务实现

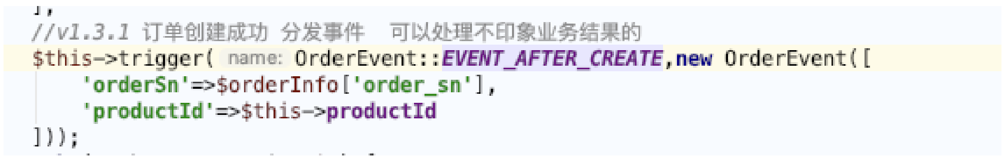


四、事件触发

1、添加事件

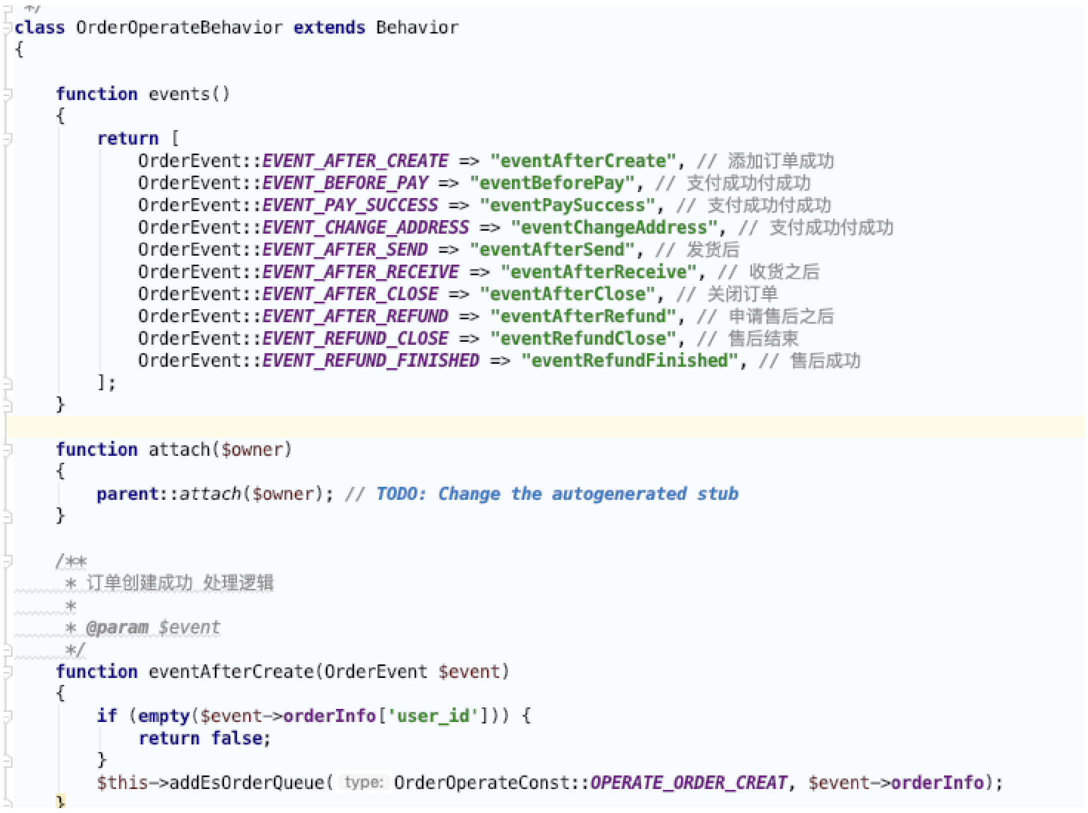
```php
function behaviors()
{
    $behaviors=parent::behaviors();
    $behaviors['log']=LogBehavior::class;
    $behaviors['order_operate']=OrderOperateBehavior::class;
    return $behaviors;
}
```

2、触发事件



```php
],
//v1.3.1 订单创建成功 分发事件   可以处理不印象业务结果的
$this->trigger( name: OrderEvent::EVENT_AFTER_CREATE,new OrderEvent([
    'orderSn'=>$orderInfo['order_sn'],
    'productId'=>$this->productId
]));
```

3、事件监听



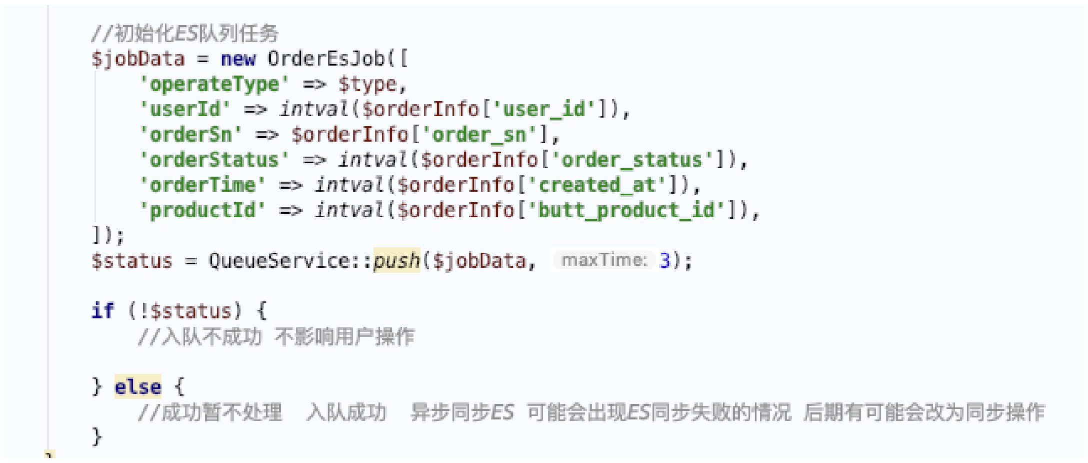
```
 */
class OrderOperateBehavior extends Behavior
{

    function events()
    {
        return [
            OrderEvent::EVENT_AFTER_CREATE => "eventAfterCreate", // 添加订单成功
            OrderEvent::EVENT_BEFORE_PAY => "eventBeforePay", // 支付成功付成功
            OrderEvent::EVENT_PAY_SUCCESS => "eventPaySuccess", // 支付成功付成功
            OrderEvent::EVENT_CHANGE_ADDRESS => "eventChangeAddress", // 支付成功付成功
            OrderEvent::EVENT_AFTER_SEND => "eventAfterSend", // 发货后
            OrderEvent::EVENT_AFTER_RECEIVE => "eventAfterReceive", // 收货之后
            OrderEvent::EVENT_AFTER_CLOSE => "eventAfterClose", // 关闭订单
            OrderEvent::EVENT_AFTER_REFUND => "eventAfterRefund", // 申请售后之后
            OrderEvent::EVENT_REFUND_CLOSE => "eventRefundClose", // 售后结束
            OrderEvent::EVENT_REFUND_FINISHED => "eventRefundFinished", // 售后成功
        ];
    }

    function attach($owner)
    {
        parent::attach($owner); // TODO: Change the autogenerated stub
    }

    /**
     * 订单创建成功 处理逻辑
     *
     * @param $event
     */
    function eventAfterCreate(OrderEvent $event)
    {
        if (empty($event->orderInfo['user_id'])) {
            return false;
        }
        $this->addEsOrderQueue( type: OrderOperateConst::OPERATE_ORDER_CREAT, $event->orderInfo);
    }
```

五、入队

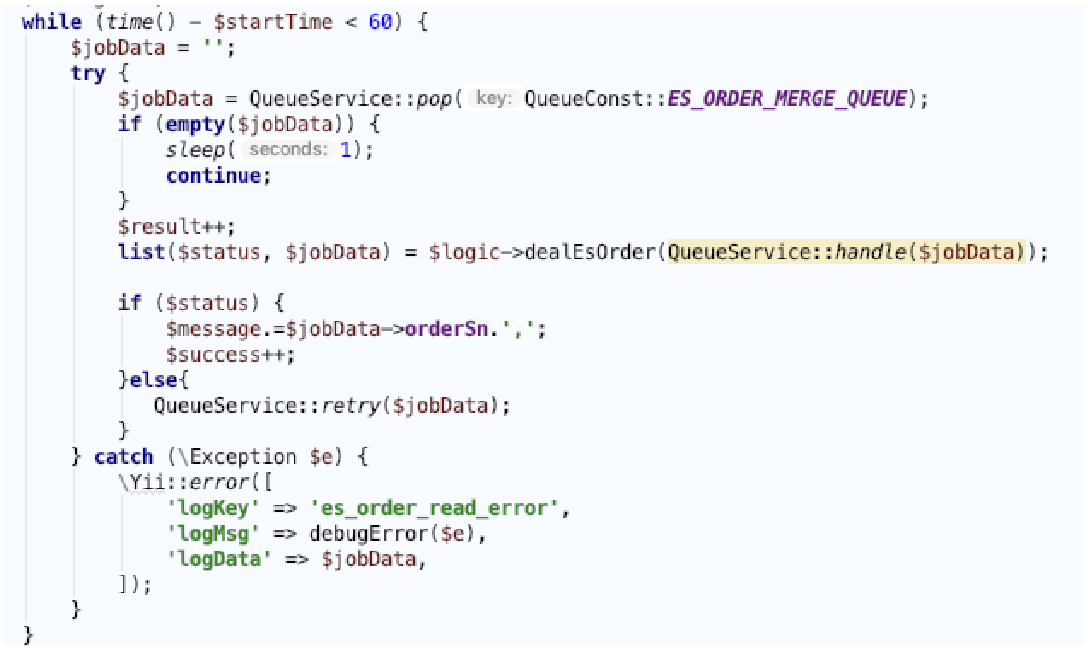


```
        //初始化ES队列任务
        $jobData = new OrderEsJob([
            'operateType' => $type,
            'userId' => intval($orderInfo['user_id']),
            'orderSn' => $orderInfo['order_sn'],
            'orderStatus' => intval($orderInfo['order_status']),
            'orderTime' => intval($orderInfo['created_at']),
            'productId' => intval($orderInfo['butt_product_id']),
        ]);
        $status = QueueService::push($jobData,  maxTime: 3);

        if (!$status) {
            //入队不成功 不影响用户操作

        } else {
            //成功暂不处理   入队成功   异步同步ES  可能会出现ES同步失败的情况  后期有可能会改为同步操作
        }
```

六、队列消费



```
while (time() - $startTime < 60) {
    $jobData = '';
    try {
        $jobData = QueueService::pop( key: QueueConst::ES_ORDER_MERGE_QUEUE);
        if (empty($jobData)) {
            sleep( seconds: 1);
            continue;
        }
        $result++;
        list($status, $jobData) = $logic->dealEsOrder(QueueService::handle($jobData));

        if ($status) {
            $message.=$jobData->orderSn.',';
            $success++;
        }else{
           QueueService::retry($jobData);
        }
    } catch (\Exception $e) {
        \Yii::error([
            'logKey' => 'es_order_read_error',
            'logMsg' => debugError($e),
            'logData' => $jobData,
        ]);
    }
}
```