面向对象分析与设计 Object Oriented Analysis and Design

一一商铺模块设计 Design of Shop Module

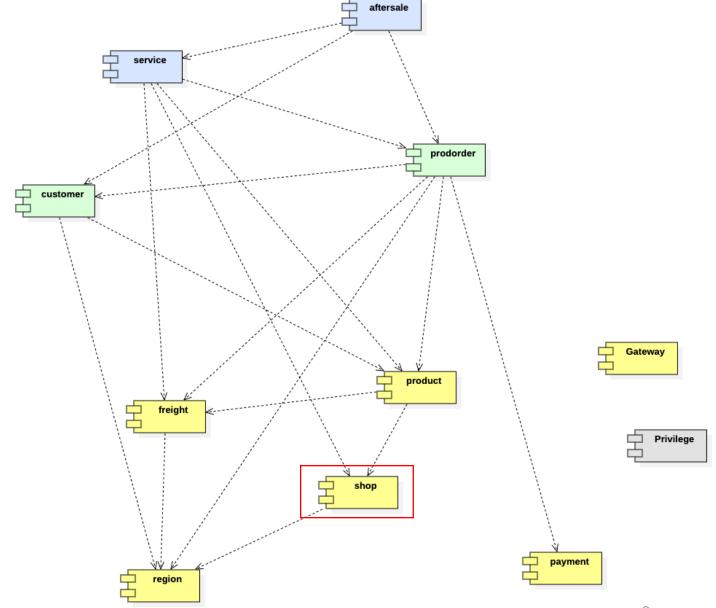
邱明博士 厦门大学信息学院 mingqiu@xmu.edu.cn 2023年秋季学期

1. 静态模型设计

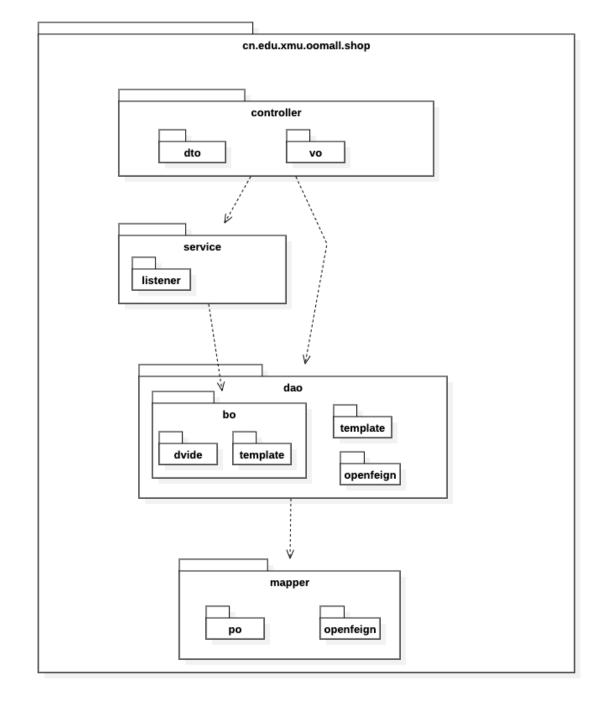
Static Model Design



1.1 总体结构 Architectural Structure

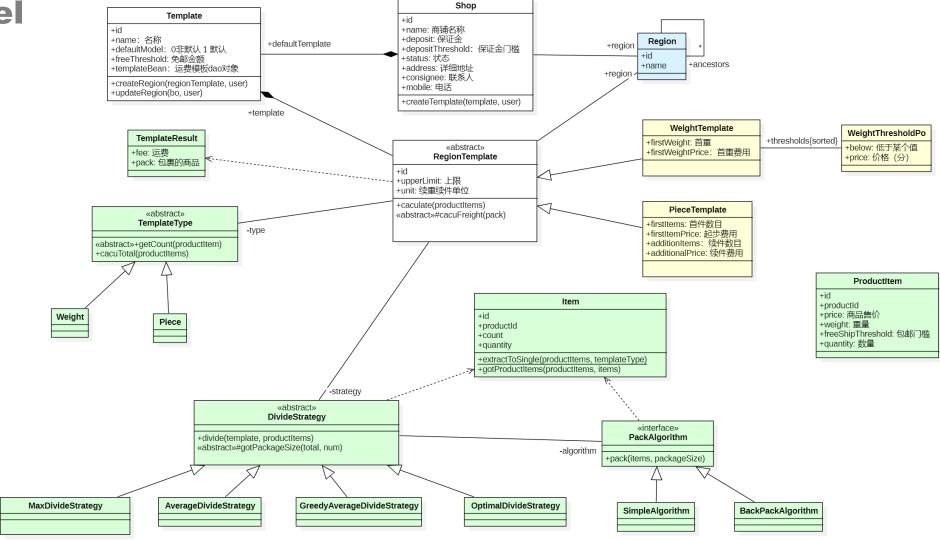


1.2 包结构 Design Goals



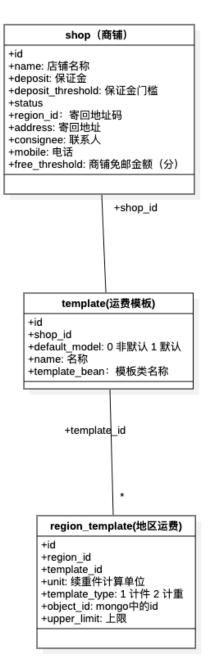


1.3 对象模型 Object Model



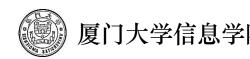


1.4 数据库设计 Database Design

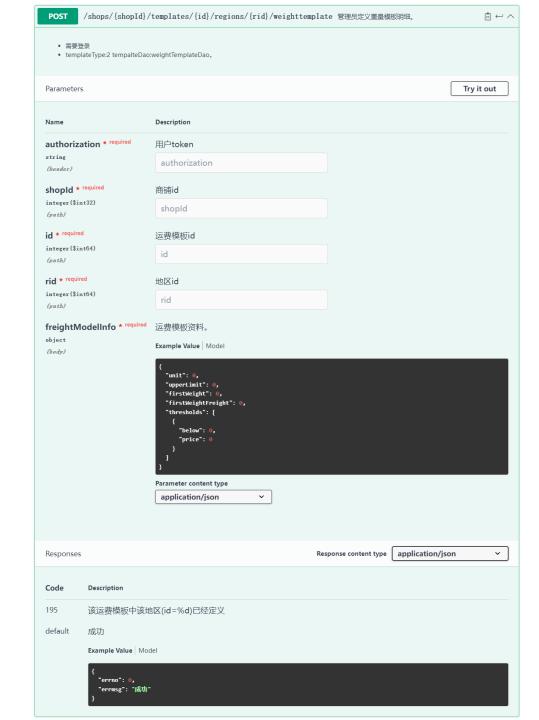


2. 动态模型设计

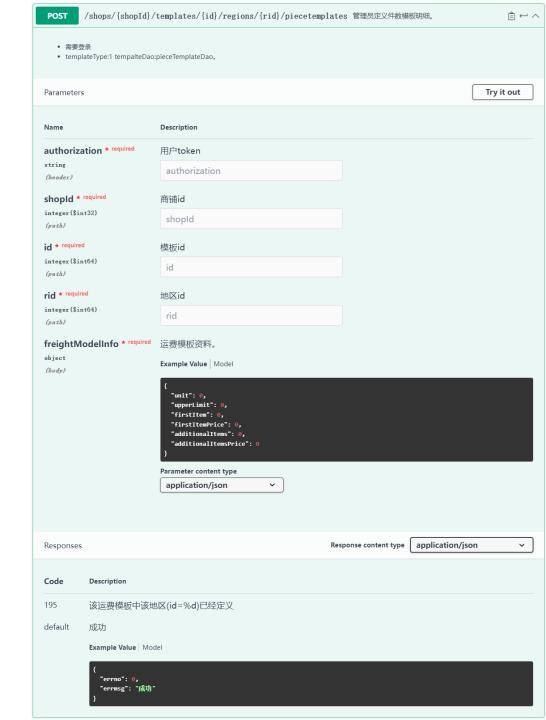
Dynamic Model Design



https://app.swaggerhub.com/apis/mingqcn/OOMALL/1.3.2 #/shop/postWeightTemplates



https://app.swaggerhub.com/apis/mingqcn/OOMALL/1.3.2 #/shop/postPieceTemplates

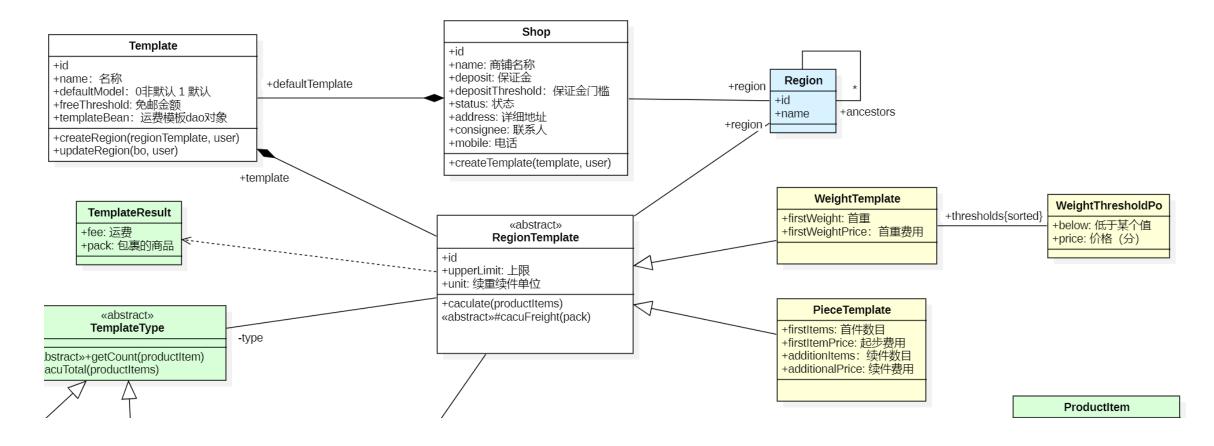




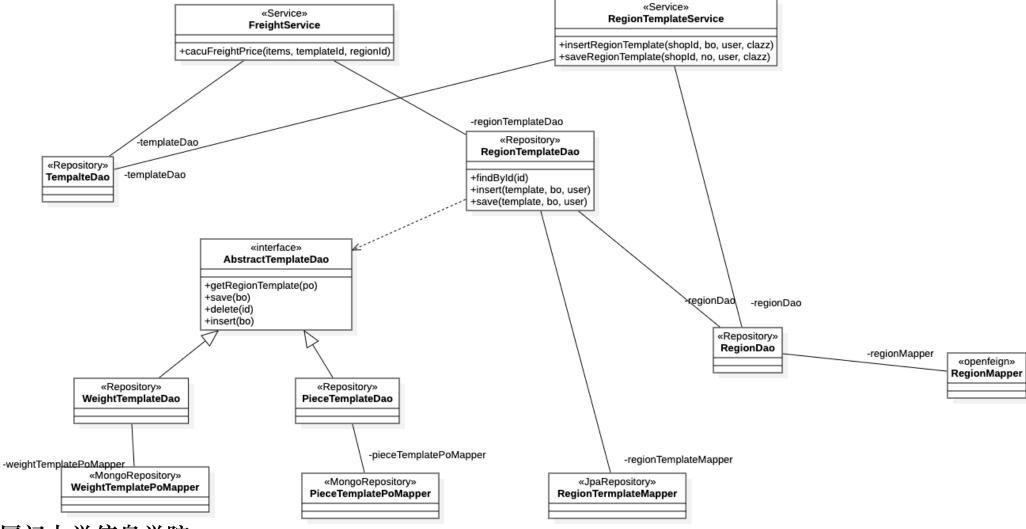


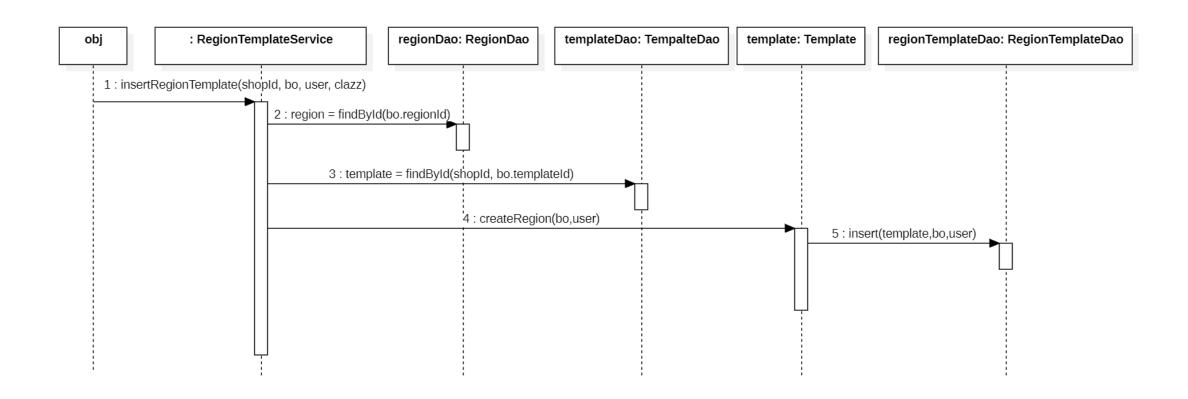
1.3 对象模型

Object Model

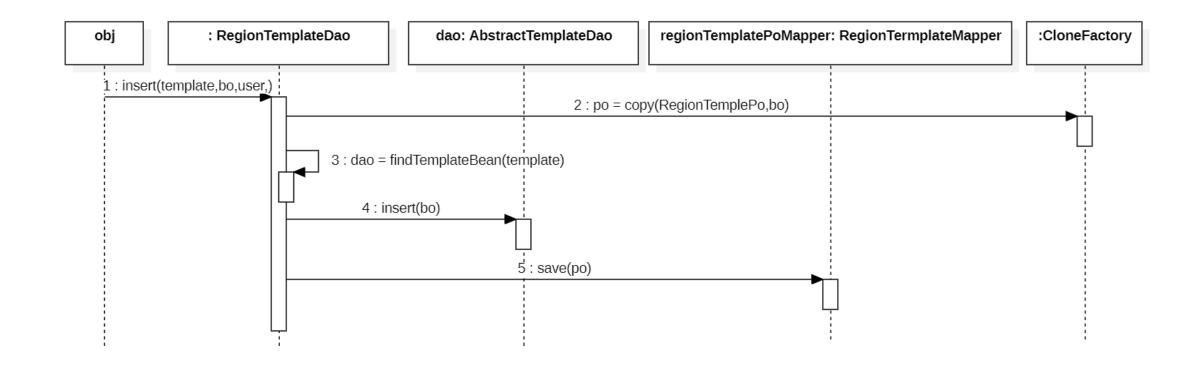






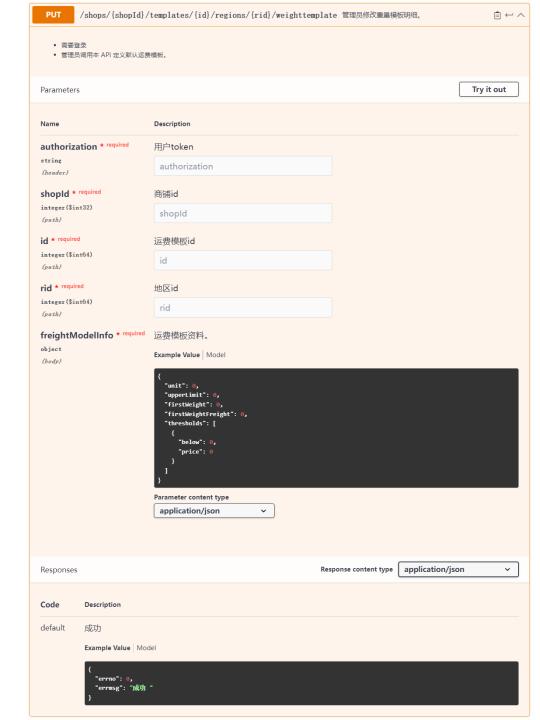






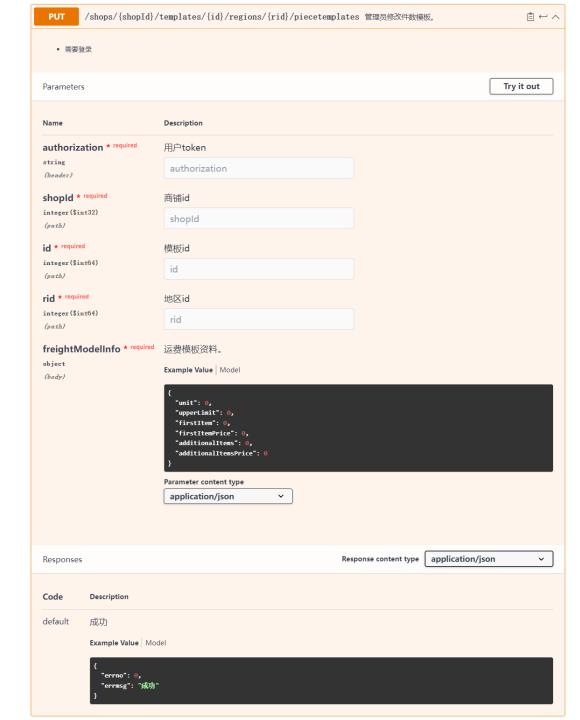
2.2 修改模板明细

https://app.swaggerhub.com/apis/mingqcn/OOMALL/1.3.2 #/shop/putWeightTemplates

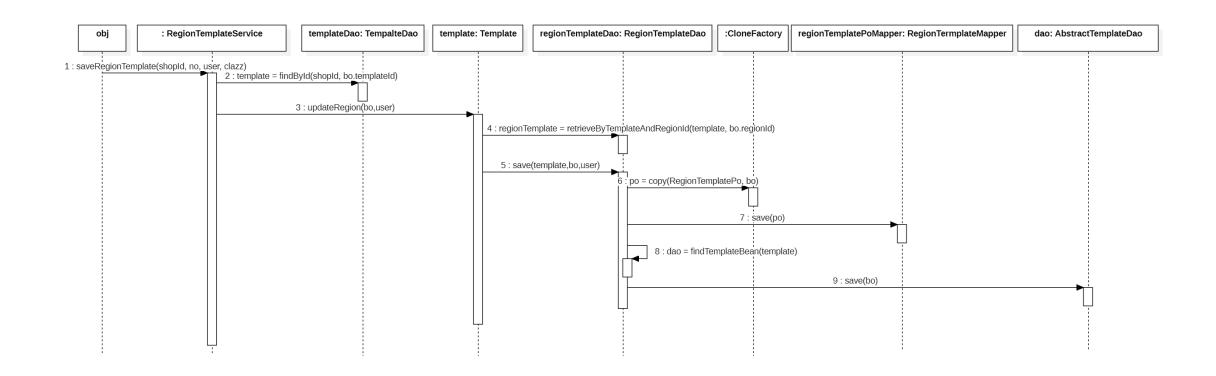


2.2 修改模板明细

https://app.swaggerhub.com/apis/mingqcn/OOMALL/1.3.2 #/shop/putPieceTemplates

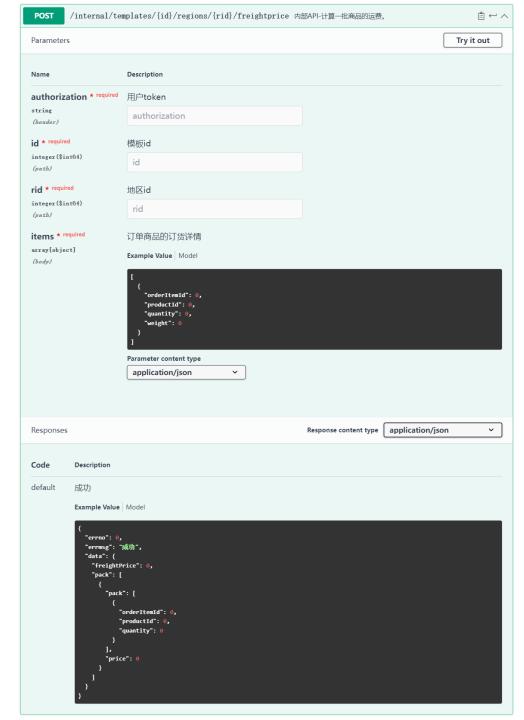


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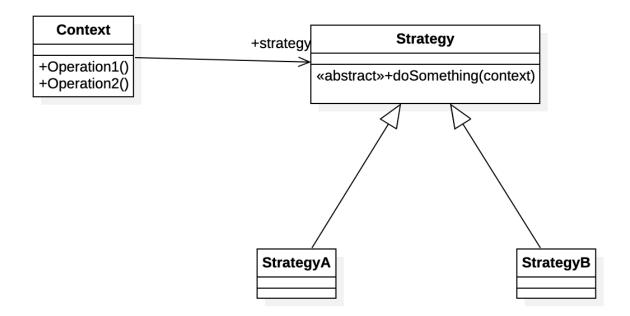


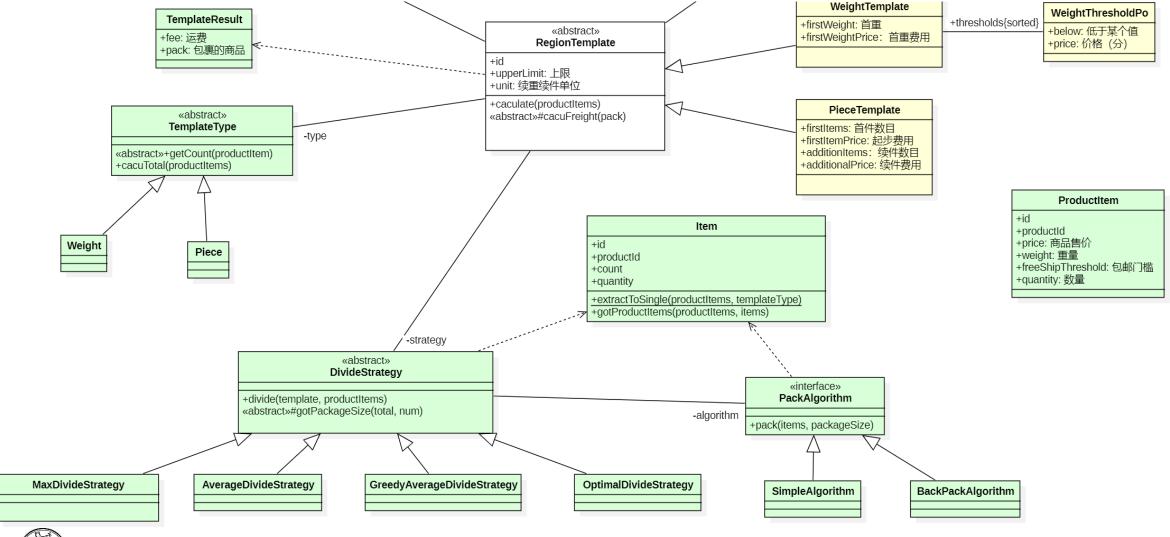
https://app.swaggerhub.com/apis/mingqcn/OO MALL/1.3.2#/shop/postFreightPrice

- 当超过包裹上限时,不同的打 包策略会有不同的运费
 - 上限打包
 - 均匀打包,
 - 费用最优打包



- 策略模式 (Strategy)
 - 定义一系列算法,把它们封装在对象内部,并且可以任意替换。





- 桥接器模式 (Bridge)
 - 将问题分解成独立的两个部分, 任意组合形成最后的解决方案

