

# 互联网酒店预订系统

Hotel Reservation System Online

## 耦合度量文档

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## 一、Depth of Inheritance (dit) 的度量

### 1、 HRSSClient 模块的度量数据:

Metric	Total	Mean	Std. D...	Maxim...	Resource causing Maximum	Method
▼ Depth of Inheritance Tree (avg/max per ty		1.109	0.312	2	/Client/src/businessLogic/creditBL/MockCreditJa...	
▼ src		1.109	0.312	2	/Client/src/businessLogic/creditBL/MockCreditJa...	
> businessLogic.creditBL		1.25	0.433	2	/Client/src/businessLogic/creditBL/MockCreditJa...	
> businessLogic.hotelBL		1.25	0.433	2	/Client/src/businessLogic/hotelBL/MockHotel.java	
> businessLogic.loginBL		1.25	0.433	2	/Client/src/businessLogic/loginBL/MockLogin.java	
> businessLogic.marketBL		1.333	0.471	2	/Client/src/businessLogic/marketBL/MockMarke...	
> businessLogic.memberBL		1.333	0.471	2	/Client/src/businessLogic/memberBL/MockMem...	
> businessLogic.orderBL		1.25	0.433	2	/Client/src/businessLogic/orderBL/MockOrderJa...	
> businessLogic.promotionBL		1.333	0.471	2	/Client/src/businessLogic/promotionBL/MockPr...	
> businessLogic.userBL		1.25	0.433	2	/Client/src/businessLogic/userBL/MockUser.java	
> po		1.105	0.307	2	/Client/src/po/WebPromotionPO.java	
> presentation.signUpUI.view		1.5	0.5	2	/Client/src/presentation/signUpUI/view/Main.java	
> vo		1.211	0.408	2	/Client/src/vo/WebMarketerVO.java	
> businessLogic.creditBL.stub		1	0	1	/Client/src/businessLogic/creditBL/stub/CreditBL...	
> businessLogic.hotelBL.driver		1	0	1	/Client/src/businessLogic/hotelBL/driver/HotelD...	
> businessLogic.hotelBL.stub		1	0	1	/Client/src/businessLogic/hotelBL/stub/HotelBLS...	
> businessLogic.loginBL.stub		1	0	1	/Client/src/businessLogic/loginBL/stub/LoginBLS...	
> businessLogic.marketBL.driver		1	0	1	/Client/src/businessLogic/marketBL/driver/Mark...	
> businessLogic.marketBL.stub		1	0	1	/Client/src/businessLogic/marketBL/stub/Market...	
> businessLogic.memberBL.stub		1	0	1	/Client/src/businessLogic/memberBL/stub/Mem...	
> businessLogic.orderBL.driver		1	0	1	/Client/src/businessLogic/orderBL/driver/Order...	
> businessLogic.orderBL.stub		1	0	1	/Client/src/businessLogic/orderBL/stub/OrderBL...	
> businessLogic.promotionBL.driver		1	0	1	/Client/src/businessLogic/promotionBL/driver/Pr...	
> businessLogic.promotionBL.stub		1	0	1	/Client/src/businessLogic/promotionBL/stub/Pro...	
> businessLogic.userBL.driver		1	0	1	/Client/src/businessLogic/userBL/driver/GuestDa...	
> businessLogic.userBL.stub		1	0	1	/Client/src/businessLogic/userBL/stub/UserBLSe...	
> dataService.guestDataService		1	0	1	/Client/src/dataService/guestDataService/GuestD...	
> dataService.hotelDataService		1	0	1	/Client/src/dataService/hotelDataService/HotelD...	

Metric	Total	Mean	Std. D...	Maxim...	Resource causing Maximum	Method
> dataService.hotelWorkerDataService		1	0	1	/Client/src/dataService/hotelWorkerDataService/...	
> dataService.marketDataService		1	0	1	/Client/src/dataService/marketDataService/Mark...	
> dataService.orderDataService		1	0	1	/Client/src/dataService/orderDataService/Order...	
> dataService.promotionDataService		1	0	1	/Client/src/dataService/promotionDataService/Pr...	
> dataService.webManagerDataService		1	0	1	/Client/src/dataService/webManagerDataService...	
> dataService.webMarketerDataService		1	0	1	/Client/src/dataService/webMarketerDataService...	
> presentation.guestUI.driver		1	0	1	/Client/src/presentation/guestUI/driver/HotelBLS...	
> presentation.hotelWorkerUI.driver		1	0	1	/Client/src/presentation/hotelWorkerUI/driver/L...	
> presentation.signUpUI.driver		1	0	1	/Client/src/presentation/signUpUI/driver/LoginB...	
> presentation.webManagerUI.driver		1	0	1	/Client/src/presentation/webManagerUI/driver/...	
> presentation.webMarketerUI.driver		1	0	1	/Client/src/presentation/webMarketerUI/driver/...	
> utilities		1	0	1	/Client/src/utilities/SortStrategy.java	
> businessLogicService.marketBLServi		0	0			
> businessLogicService.memberBLSer		0	0			
> businessLogicService.orderBLServi		0	0			
> businessLogicService.promotionBLS		0	0			
> businessLogicService.userBLServi		0	0			
> presentation.controller		0	0			
> businessLogicService.creditBLServi		0	0			
> businessLogicService.hotelBLServi		0	0			
> businessLogicService.loginBLServi		0	0			

### 2、 HRSSServer 模块的度量数据

▼ Depth of Inheritance Tree (avg/max per ty		1.1	0.3	2	/Server/src/po/HotelPromotionPO.java	
▼ src		1.1	0.3	2	/Server/src/po/HotelPromotionPO.java	
> po		1.105	0.307	2	/Server/src/po/HotelPromotionPO.java	
> utilities		1	0	1	/Server/src/utilities/SortStrategy.java	
> dataService.guestDataService		0	0			
> dataService.hotelDataService		0	0			
> dataService.hotelWorkerDataService		0	0			
> dataService.marketDataService		0	0			
> dataService.orderDataService		0	0			
> dataService.promotionDataService		0	0			
> dataService.webManagerDataService		0	0			
> dataService.webMarketerDataServic		0	0			

## 二、Number of Children (noc) 的度量

## 1、 HRSClnt 模块的度量数据:

Metric	Total	Mean	Std. D...	Maxim...	Resource causing Maximum	Method
▼ Number of Children (avg/max per type)	14	0.102	0.44	4	/Client/src/vo/UserVO.java	
▼ src	14	0.102	0.44	4	/Client/src/vo/UserVO.java	
> vo	4	0.211	0.893	4	/Client/src/vo/UserVO.java	
> po	2	0.105	0.447	2	/Client/src/po/PromotionPO.java	
> businessLogic.creditBL	1	0.25	0.433	1	/Client/src/businessLogic/creditBL/Credit.java	
> businessLogic.hotelBL	1	0.25	0.433	1	/Client/src/businessLogic/hotelBL/Hotel.java	
> businessLogic.logInBL	1	0.25	0.433	1	/Client/src/businessLogic/logInBL/LogIn.java	
> businessLogic.marketBL	1	0.333	0.471	1	/Client/src/businessLogic/marketBL/Market.java	
> businessLogic.memberBL	1	0.333	0.471	1	/Client/src/businessLogic/memberBL/Member.java	
> businessLogic.orderBL	1	0.25	0.433	1	/Client/src/businessLogic/orderBL/Order.java	
> businessLogic.promotionBL	1	0.333	0.471	1	/Client/src/businessLogic/promotionBL/Promotion.java	
> businessLogic.userBL	1	0.25	0.433	1	/Client/src/businessLogic/userBL/User.java	
> businessLogic.creditBL.stub	0	0	0	0	/Client/src/businessLogic/creditBL/stub/CreditBLStub.java	
> businessLogic.hotelBL.driver	0	0	0	0	/Client/src/businessLogic/hotelBL/driver/HotelBLDriver.java	
> businessLogic.hotelBL.stub	0	0	0	0	/Client/src/businessLogic/hotelBL/stub/HotelBLStub.java	
> businessLogic.logInBL.stub	0	0	0	0	/Client/src/businessLogic/logInBL/stub/LogInBLStub.java	
> businessLogic.marketBL.driver	0	0	0	0	/Client/src/businessLogic/marketBL/driver/MarketBLDriver.java	
> businessLogic.marketBL.stub	0	0	0	0	/Client/src/businessLogic/marketBL/stub/MarketBLStub.java	
> businessLogic.memberBL.stub	0	0	0	0	/Client/src/businessLogic/memberBL/stub/MemberBLStub.java	
> businessLogic.orderBL.driver	0	0	0	0	/Client/src/businessLogic/orderBL/driver/OrderBLDriver.java	
> businessLogic.orderBL.stub	0	0	0	0	/Client/src/businessLogic/orderBL/stub/OrderBLStub.java	
> businessLogic.promotionBL.driver	0	0	0	0	/Client/src/businessLogic/promotionBL/driver/PromotionBLDriver.java	
> businessLogic.promotionBL.stub	0	0	0	0	/Client/src/businessLogic/promotionBL/stub/PromotionBLStub.java	
> businessLogic.userBL.driver	0	0	0	0	/Client/src/businessLogic/userBL/driver/UserBLDriver.java	
> businessLogic.userBL.stub	0	0	0	0	/Client/src/businessLogic/userBL/stub/UserBLStub.java	
> businessLogicService.creditBLService	0	0	0			
> businessLogicService.hotelBLService	0	0	0			
> businessLogicService.logInBLService	0	0	0			
> businessLogicService.marketBLService	0	0	0			
> businessLogicService.memberBLService	0	0	0			
> businessLogicService.orderBLService	0	0	0			
> businessLogicService.promotionBLService	0	0	0			
> businessLogicService.userBLService	0	0	0			
> dataService.guestDataService	0	0	0	0	/Client/src/dataService/guestDataService/GuestDataService.java	
> dataService.hotelDataService	0	0	0	0	/Client/src/dataService/hotelDataService/HotelDataService.java	
> dataService.hotelWorkerDataService	0	0	0	0	/Client/src/dataService/hotelWorkerDataService/HotelWorkerDataService.java	
> dataService.marketDataService	0	0	0	0	/Client/src/dataService/marketDataService/MarketDataService.java	
> dataService.orderDataService	0	0	0	0	/Client/src/dataService/orderDataService/OrderDataService.java	
> dataService.promotionDataService	0	0	0	0	/Client/src/dataService/promotionDataService/PromotionDataService.java	
> dataService.webManagerDataService	0	0	0	0	/Client/src/dataService/webManagerDataService/WebManagerDataService.java	
> dataService.webMarketerDataService	0	0	0	0	/Client/src/dataService/webMarketerDataService/WebMarketerDataService.java	
> presentation.controller	0	0	0			
> presentation.guestUI.driver	0	0	0	0	/Client/src/presentation/guestUI/driver/HotelBLStub.java	
> presentation.hotelWorkerUI.driver	0	0	0	0	/Client/src/presentation/hotelWorkerUI/driver/HotelWorkerBLStub.java	
> presentation.signUpUI.driver	0	0	0	0	/Client/src/presentation/signUpUI/driver/LogInBLStub.java	
> presentation.signUpUI.view	0	0	0	0	/Client/src/presentation/signUpUI/view/LogInView.java	
> presentation.webManagerUI.driver	0	0	0	0	/Client/src/presentation/webManagerUI/driver/WebManagerBLStub.java	
> presentation.webMarketerUI.driver	0	0	0	0	/Client/src/presentation/webMarketerUI/driver/WebMarketerBLStub.java	
> utilities	0	0	0	0	/Client/src/utilities/SortStrategy.java	

## 2、 HRSServer 模块的度量数据

▼ Number of Children (avg/max per type)	2	0.1	0.436	2	/Server/src/po/PromotionPO.java	
▼ src	2	0.1	0.436	2	/Server/src/po/PromotionPO.java	
> po	2	0.105	0.447	2	/Server/src/po/PromotionPO.java	
> dataService.guestDataService	0	0	0			
> dataService.hotelDataService	0	0	0			
> dataService.hotelWorkerDataService	0	0	0			
> dataService.marketDataService	0	0	0			
> dataService.orderDataService	0	0	0			
> dataService.promotionDataService	0	0	0			
> dataService.webManagerDataService	0	0	0			
> dataService.webMarketerDataService	0	0	0			
> utilities	0	0	0	0	/Server/src/utilities/SortStrategy.java	

## 三、 Afferent coupling (dac) 的度量

### 1、 HRSClnt 模块的度量数据:

Metric	Total	Mean	Std. D...	Maxim...	Resource causing Maximum	Method
▼ Afferent Coupling (avg/max per packageF		5.511	15.399	90	/Client/src/utilities	
▼ src		5.511	15.399	90	/Client/src/utilities	
utilities	90					
vo	60					
po	24					
businessLogicService.logInBLService	7					
businessLogic.logInBL.stub	5					
businessLogic.promotionBL	5					
businessLogic.userBL	5					
businessLogicService.orderBLService	5					
businessLogicService.hotelBLService	4					
businessLogicService.userBLService	4					
businessLogic.hotelBL	3					
businessLogic.orderBL.stub	3					
businessLogic.promotionBL.stub	3					
businessLogicService.creditBLService	3					
businessLogicService.marketBLServi	3					
businessLogicService.memberBLSer	3					
businessLogicService.promotionBLS	3					
businessLogic.hotelBL.stub	2					
businessLogic.marketBL	2					
businessLogic.orderBL	2					
businessLogic.userBL.stub	2					
dataService.guestDataService	2					
dataService.hotelDataService	2					
dataService.hotelWorkerDataService	2					
dataService.marketDataService	2					
dataService.orderDataService	2					

Metric	Total	Mean	Std. D...	Maxim...	Resource causing Maximum	Method
dataService.webMarketerDataService	2					
presentation.signUpUI.driver	2					
businessLogic.creditBL.stub	1					
businessLogic.hotelBL.stub	1					
businessLogic.logInBL.stub	1					
businessLogic.marketBL.stub	1					
businessLogic.memberBL.stub	1					
businessLogic.orderBL.stub	1					
businessLogic.promotionBL.stub	1					
businessLogic.userBL.stub	1					
businessLogicService.creditBLService	1					
businessLogicService.hotelBLService	1					
businessLogicService.logInBLService	1					
businessLogicService.marketBLServi	1					
businessLogicService.memberBLSer	1					
businessLogicService.orderBLService	1					
businessLogicService.promotionBLS	1					
businessLogicService.userBLService	1					
utilities	1					
presentation.controller	0					
presentation.signUpUI.view	0					

## 2、 HRSServer 模块的度量数据

▼ Afferent Coupling (avg/max per packageF	2	4.099	12	/Server/src/utilities
▼ src	2	4.099	12	/Server/src/utilities
utilities	12			
po	8			
dataService.guestDataService	0			
dataService.hotelDataService	0			
dataService.hotelWorkerDataService	0			
dataService.marketDataService	0			
dataService.orderDataService	0			
dataService.promotionDataService	0			
dataService.webManagerDataService	0			
dataService.webMarketerDataService	0			

## 四、Efferent Coupling（cbo）的度量

### 1、 HRSClient 模块的度量数据：

Metric	Total	Mean	Std. D...	Maxim...	Resource causing Maximum	Method
▼ Efferent Coupling (avg/max per packageF		2.574	2.322	10	/Client/src/presentation/guestUI/driver	
▼ src		2.574	2.322	10	/Client/src/presentation/guestUI/driver	
presentation.guestUI.driver	10					
presentation.webMarketerUI.driver	10					
businessLogic.userBL.driver	8					
presentation.hotelWorkerUI.driver	8					
po	6					
businessLogic.creditBL	4					
businessLogic.hotelBL	4					
businessLogic.logInBL	4					
businessLogic.orderBL	4					
businessLogic.userBL	4					
presentation.webManagerUI.driver	4					
businessLogic.marketBL	3					
businessLogic.memberBL	3					
businessLogic.promotionBL	3					
vo	3					
businessLogic.hotelBL.driver	2					
businessLogic.marketBL.driver	2					
businessLogic.orderBL.driver	2					
businessLogic.promotionBL.driver	2					
dataService.guestDataService	2					
dataService.hotelDataService	2					
dataService.hotelWorkerDataService	2					
dataService.marketDataService	2					
dataService.orderDataService	2					
dataService.promotionDataService	2					
dataService.webManagerDataService	2					

Metric	Total	Mean	Std. D...	Maxim...	Resource causing Maximum	Method
dataService.webMarketerDataService	2					
presentation.signUpUI.driver	2					
businessLogic.creditBL.stub	1					
businessLogic.hotelBL.stub	1					
businessLogic.logInBL.stub	1					
businessLogic.marketBL.stub	1					
businessLogic.memberBL.stub	1					
businessLogic.orderBL.stub	1					
businessLogic.promotionBL.stub	1					
businessLogic.userBL.stub	1					
businessLogicService.creditBLService	1					
businessLogicService.hotelBLService	1					
businessLogicService.logInBLService	1					
businessLogicService.marketBLService	1					
businessLogicService.memberBLService	1					
businessLogicService.orderBLService	1					
businessLogicService.promotionBLService	1					
businessLogicService.userBLService	1					
utilities	1					
presentation.controller	0					
presentation.signUpUI.view	0					

## 2、 HRSServer 模块的度量数据

▼ Efferent Coupling (avg/max per packageF		1.4	1.562	6	/Server/src/po	
▼ src		1.4	1.562	6	/Server/src/po	
po	6					
dataService.guestDataService	1					
dataService.hotelDataService	1					
dataService.hotelWorkerDataService	1					
dataService.marketDataService	1					
dataService.orderDataService	1					
dataService.promotionDataService	1					
dataService.webManagerDataService	1					
dataService.webMarketerDataService	1					
utilities	0					