



酒店预订系统

代码度量数据文档

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一、更新历史.....	2
二、metrics 截图.....	4
1. Client.....	4
2. Server.....	4
3. Common.....	5
三、耦合的度量.....	5
3.1Userbl 模块.....	5
3.1.1Userbl 模块内类的 CBO 和 DAC.....	5
3.1.2Userbl 模块内类的 NOC 和 DIT.....	5
3.2 WebStrategybl 模块.....	6
3.2.1WebStrategybl 模块内类的 CBO 和 DAC.....	6
3.2.2WebStrategybl 模块内类的 NOC 和 DIT.....	6
3.3HotelStrategybl 模块.....	7
3.3.1HotelStrategybl 模块内类的 CBO 和 DAC.....	7
3.3.2HotelStrategybl 模块内类的 NOC 和 DIT.....	7
3.4 personnelbl 模块.....	8
3.4.1personnelbl 模块内类的 CBO 和 DAC.....	8
3.4.2personnelbl 模块内类的 NOC 和 DIT.....	8
3.5 searchhotelbl 模块.....	9
3.5.1searchhotelbl 模块内类的 CBO 和 DAC.....	9
3.5.2 SearchHotel 模块内类的 NOC 和 DIT.....	9
3.6 Checkinbl 模块.....	9
3.6.1Checkinbl 模块内类的 CBO 和 DAC.....	9
3.6.2Checkinbl 模块内类的 NOC 和 DIT.....	10
3.7AvailableRoombl 模块.....	10
3.7.1 AvailableRoombl 模块内类的 CBO 和 DAC.....	10
3.7.2 AvailableRoombl 模块内类的 NOC 和 DIT.....	10
3.8Creditbl 模块.....	11
3.8.1Creditbl 模块内类的 CBO 和 DAC.....	11
3.8.2Creditbl 模块内类的 NOC 和 DIT.....	11
3.9 HotelBL 模块.....	11
3.9.1HotelBL 模块内类的 CBO 和 DAC.....	11
3.9.2HotelBL 模块内类的 NOC 和 DIT.....	11
3.10 OrderBL 模块.....	12
3.10.1OrderBL 模块内类的 CBO 和 DAC.....	12
3.10.2OrderBL 模块内类的 NOC 和 DIT.....	12
四、 代码度量.....	13

一、更新历史

修改人员	修改日期	修改原因	版本号
程芸菲	2016/11/9	创建模板	V0.1
全体成员	2016/11/9	完成草稿	V0.2
程芸菲	2016/11/10	整理 统一字体格式 补充目录	V0.3

二、metrics 截图

1.Client

Metric	Total	Mean	Std. Dev.	Maximum	Resource causing Maximum	Method
▶ Number of Parameters (avg/max per method)		0.868	1.802	22	/client/src/main/java/vo/orderVo/OrderInfoVO.java	OrderInfoVO
▶ Number of Static Attributes (avg/max per type)	0	0	0	0	/client/src/main/java/businesslogic/bl/availableRoombl/...	
▶ Efferent Coupling (avg/max per packageFrag...		2.095	1.974	8	/client/src/main/java/businesslogic/bl/orderbl	
▶ Specialization Index (avg/max per type)		0.136	0.475	2	/client/src/main/java/businesslogic/bl/hotelbl/mock/M...	
▶ Number of Classes (avg/max per packageFra...	132	2.095	1.841	7	/client/src/main/java/businesslogic/bl/orderbl	
▶ Number of Attributes (avg/max per type)	402	3.045	4.138	23	/client/src/main/java/vo/orderVo/OrderInfoVO.java	
▶ Abstractness (avg/max per packageFragment)		0.171	0.363	1	/client/src/main/java/businesslogic/blservice/available...	
▶ Normalized Distance (avg/max per packageFr...		0.274	0.317	0.9	/client/src/main/java/vo/userVo	
▶ Number of Static Methods (avg/max per type)	2	0.015	0.173	2	/client/src/main/java/init/Client.java	
▶ Number of Interfaces (avg/max per packageF...	26	0.413	0.92	4	/client/src/main/java/businesslogic/blservice/hotelblse...	
▶ Total Lines of Code	4854					
▶ Weighted methods per Class (avg/max per type)	917	6.947	8.747	56	/client/src/main/java/vo/orderVo/OrderInfoVO.java	
▶ Number of Methods (avg/max per type)	909	6.886	8.749	56	/client/src/main/java/vo/orderVo/OrderInfoVO.java	
▶ Depth of Inheritance Tree (avg/max per type)		1.106	0.308	2	/client/src/main/java/businesslogic/bl/availableRoombl/...	
▶ Number of Packages	63					
▶ Instability (avg/max per packageFragment)		0.713	0.316	1	/client/src/main/java/businesslogic/bl/checkinbl	
▶ McCabe Cyclomatic Complexity (avg/max per...		1.007	0.115	4	/client/src/main/java/businesslogic/bl/webstrategy/bl/...	getWebStrategy
▶ Nested Block Depth (avg/max per method)		1.003	0.057	2	/client/src/main/java/init/Client.java	main
▶ Lack of Cohesion of Methods (avg/max per type)		0.317	0.425	1.333	/client/src/main/java/businesslogic/bl/hotelstrategybl/...	
▶ Method Lines of Code (avg/max per method)	1357	1.49	2.087	20	/client/src/main/java/vo/orderVo/OrderInfoVO.java	OrderInfoVO
▶ Number of Overridden Methods (avg/max per...	13	0.098	0.345	2	/client/src/main/java/businesslogic/bl/checkinbl/mock/...	
▶ Afferent Coupling (avg/max per packageFrag...		2.556	4.436	20	/client/src/main/java/vo/orderVo	
▶ Number of Children (avg/max per type)	14	0.106	0.448	4	/client/src/main/java/businesslogic/bl/userbl/User.java	

2.Server

Metric	Total	Mean	Std. Dev.	Maximum	Resource causing Maximum	Method
▶ Number of Parameters (avg/max per method)		0	0			
▶ Number of Static Attributes (avg/max per type)	0	0	0	0	/server/src/main/java/init/RMIHelper.java	
▶ Efferent Coupling (avg/max per packageFrag...		0	0	0	/server/src/main/java/init	
▶ Specialization Index (avg/max per type)		0	0	0	/server/src/main/java/init/RMIHelper.java	
▶ Number of Classes (avg/max per packageFra...	1	1	0	1	/server/src/main/java/init	
▶ Number of Attributes (avg/max per type)	0	0	0	0	/server/src/main/java/init/RMIHelper.java	
▶ Abstractness (avg/max per packageFragment)		0	0	0	/server/src/main/java/init	
▶ Normalized Distance (avg/max per packageFr...		0	0	0	/server/src/main/java/init	
▶ Number of Static Methods (avg/max per type)	0	0	0	0	/server/src/main/java/init/RMIHelper.java	
▶ Number of Interfaces (avg/max per packageF...	0	0	0	0	/server/src/main/java/init	
▶ Total Lines of Code	3					
▶ Weighted methods per Class (avg/max per type)	0	0	0	0	/server/src/main/java/init/RMIHelper.java	
▶ Number of Methods (avg/max per type)	0	0	0	0	/server/src/main/java/init/RMIHelper.java	
▶ Depth of Inheritance Tree (avg/max per type)		1	0	1	/server/src/main/java/init/RMIHelper.java	
▶ Number of Packages	1					
▶ Instability (avg/max per packageFragment)		1	0	1	/server/src/main/java/init	
▶ McCabe Cyclomatic Complexity (avg/max per...		0	0			
▶ Nested Block Depth (avg/max per method)		0	0			
▶ Lack of Cohesion of Methods (avg/max per type)		0	0	0	/server/src/main/java/init/RMIHelper.java	
▶ Method Lines of Code (avg/max per method)	0	0	0			
▶ Number of Overridden Methods (avg/max per...	0	0	0	0	/server/src/main/java/init/RMIHelper.java	
▶ Afferent Coupling (avg/max per packageFrag...		0	0	0	/server/src/main/java/init	
▶ Number of Children (avg/max per type)	0	0	0	0	/server/src/main/java/init/RMIHelper.java	

3.Common

Metric	Total	Mean	Std. Dev.	Maximum	Resource causing Maximum	Method
▶ Number of Parameters (avg/max per method)		1.003	2.345	23	/common/src/main/java/po/OrderInfoPO.java	OrderInfoPO
▶ Number of Static Attributes (avg/max per type)	0	0	0	0	/common/src/main/java/po/WebMarketManListPO.java	
▶ Efferent Coupling (avg/max per packageFrag...		1.571	2.921	12	/common/src/main/java/po	
▶ Specialization Index (avg/max per type)		0	0	0	/common/src/main/java/po/WebMarketManListPO.java	
▶ Number of Classes (avg/max per packageFra...	29	2.071	6.66	26	/common/src/main/java/po	
▶ Number of Attributes (avg/max per type)	163	5.621	5.102	23	/common/src/main/java/po/OrderInfoPO.java	
▶ Abstractness (avg/max per packageFragment)		0.786	0.41	1	/common/src/main/java/dao/availableRoomdao	
▶ Normalized Distance (avg/max per packageFr...		0.609	0.375	1	/common/src/main/java/dao/checkindao	
▶ Number of Static Methods (avg/max per type)	0	0	0	0	/common/src/main/java/po/WebMarketManListPO.java	
▶ Number of Interfaces (avg/max per packageF...	11	0.786	0.41	1	/common/src/main/java/dao/availableRoomdao	
▶ Total Lines of Code	1894					
▶ Weighted methods per Class (avg/max per type)	389	13.414	10.711	51	/common/src/main/java/po/OrderInfoPO.java	
▶ Number of Methods (avg/max per type)	388	13.379	10.74	51	/common/src/main/java/po/OrderInfoPO.java	
▶ Depth of Inheritance Tree (avg/max per type)		1	0	1	/common/src/main/java/po/WebMarketManListPO.java	
▶ Number of Packages	14					
▶ Instability (avg/max per packageFragment)		0.583	0.382	1	/common/src/main/java/dao/checkindao	
▶ McCabe Cyclomatic Complexity (avg/max per...		1.003	0.051	2	/common/src/main/java/util/Telephone.java	checkValid
▶ Nested Block Depth (avg/max per method)		1.003	0.051	2	/common/src/main/java/util/Telephone.java	checkValid
▶ Lack of Cohesion of Methods (avg/max per type)		0.633	0.321	0.957	/common/src/main/java/po/OrderInfoPO.java	
▶ Method Lines of Code (avg/max per method)	559	1.441	2.197	23	/common/src/main/java/po/OrderInfoPO.java	OrderInfoPO
▶ Number of Overridden Methods (avg/max per...	0	0	0	0	/common/src/main/java/po/WebMarketManListPO.java	
▶ Afferent Coupling (avg/max per packageFrag...		11.429	29.466	115	/common/src/main/java/util	
▶ Number of Children (avg/max per type)	0	0	0	0	/common/src/main/java/po/WebMarketManListPO.java	

三、耦合的度量

3.1Userbl 模块

3.1.1Userbl 模块内类的 CBO 和 DAC

类名	CBO	DAC
User	4	1
	调用其他类 4	UserDao
Customer	2	0
	调用其他类 被其他类调用 1	

3.1.2Userbl 模块内类的 NOC 和 DIT

类名	NOC	DIT
User	0	0
Customer	0	0

3.2 WebStrategybl 模块

3.2.1WebStrategybl 模块内类的 CBO 和 DAC

类名	CBO	DAC
webstrategy	3	0
	调用其他类 1 被其他类调用 2	
WebGradeRule	2	1
	调用其他类 1 被其他类调用 1	webStrategyDao
WebSpecialTimeStrategy	2	1
	调用其他类 1 被其他类调用 1	webStrategyDao
WebVIPStrategy	2	1
	调用其他类 1 被其他类调用 1	webStrategyDao
WebSpecialAreaStrategy	2	1
	调用其他类 1 被其他类调用 1	webStrategyDao

3.2.2WebStrategybl 模块内类的 NOC 和 DIT

类名	NOC	DIT
WebGradeRule	0	0
WebStrategy	0	0
WebSpecialTimeStrategy	0	0
WebVIPStrategy	0	0

WebSpecialAreaStrategy	0	0
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3.3HotelStrategybl 模块

3.3.1HotelStrategybl 模块内类的 CBO 和 DAC

类名	CBO	DAC
HotelStrategy	5	0
	调用其他类 3 被其他类调用 2	
HotelAmountStrategy	2	1
	调用其他类 1 被其他类调用 1	webStrategyDao
HotelBirthStrategy	2	1
	调用其他类 1 被其他类调用 1	webStrategyDao
HotelEnterpriseStrategy	2	1
	调用其他类 1 被其他类调用 1	webStrategyDao
HotelSpecialTimeStrategy	2	1
	调用其他类 1 被其他类调用 1	webStrategyDao

3.3.2HotelStrategybl 模块内类的 NOC 和 DIT

类名	NOC	DIT
HotelStrategy	0	0
HotelAmountStrategy	0	0
HotelBirthStrategy	0	0
HotelEnterpriseStrategy	0	0

HotelSpecialTimeStrategy	0	0
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3.4 personnelbl 模块

3.4.1 personnelbl 模块内类的 CBO 和 DAC

类名	CBO	DAC
Personnel	3	0
	调用其他类 2, 被其他类调用 1	
PersonList	3	1
	调用其他类 2, 被其他类调用 1	ArrayList<PersonListV0>
WebMarketMan	3	0
	调用其他类 1, 被其他类调用 2	
Customer	3	0
	调用其他类 1, 被其他类调用 2	
HotelWorker	3	0
	调用其他类 1, 被其他类调用 2	

3.4.2 personnelbl 模块内类的 NOC 和 DIT

类名	NOC	DIT
Personnel	0	0
PersonList	0	0
WebMarketMan	0	0
Customer	0	0
HotelWorker	0	0

3.5 searchhotelbl 模块

3.5.1searchhotelbl 模块内类的 CBO 和 DAC

类名	CBO	DAC
SearchHotel	4	1
	调用其他类 3，被其他类调用 1	ArrayList<HotelListVO>

3.5.2 SearchHotel 模块内类的 NOC 和 DIT

类名	NOC	DIT
SearchHotel	0	0

3.6 Checkinbl 模块

3.6.1Checkinbl 模块内类的 CBO 和 DAC

类名	CBO	DAC
Checkin	5	3
	调用其他类 4，被其他类调用 1。	
CheckinInfo	2	1
	调用其他类 1，被其他类调用 1	

3.6.2Checkinbl 模块内类的 NOC 和 DIT

类名	NOC	DIT
Checkin	0	0
CheckinInfo	0	0

3.7AvailableRoombl 模块

3.7.1 AvailableRoombl 模块内类的 CBO 和 DAC

类名	CBO	DAC
AvailableRoom	4	2
	调用其他类 2， 被其他类调用 2。	ArrayList<SingleAvailableRoomInfo> AvailableRoomDao
SingleAvailableRoomInfo	2	1
	调用其他类 1， 被其他类调用 1。	AvailableRoomDao

3.7.2 AvailableRoombl 模块内类的 NOC 和 DIT

类名	NOC	DIT
AvailableRoom	0	0
SingleAvailableRoomInfo	0	0

3.8Creditbl 模块

3.8.1Creditbl 模块内类的 CBO 和 DAC

类名	CBO	DAC
Credit	3	2
	调用其他类 2， 被其他类调用 1。	AvailableRoomDao User

3.8.2Creditbl 模块内类的 NOC 和 DIT

类名	NOC	DIT
Credit	0	0

3.9 HotelBL 模块

3.9.1HotelBL 模块内类的 CBO 和 DAC

类名	CBO	DAC
Hotel	8	1
	调用其他类 5， 被其他类调用 3	AvailableRoom

3.9.2HotelBL 模块内类的 NOC 和 DIT

类名	NOC	DIT
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Hotel	0	0
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3.10 OrderBL 模块

3.10.1 OrderBL 模块内类的 CBO 和 DAC

类名	CBO	DAC
Order	8	2
	调用其他类 7, 被其他类调用 1	OrderList SingleOrder
OrderList	3	2
	调用其他类 1, 被其他类调用 2	ArrayList<SingleOrder> OrderDao
SingleOrder	7	1
	调用其他类 5, 被其他类调用 2	OrderDao

3.10.2 OrderBL 模块内类的 NOC 和 DIT

类名	NOC	DIT
Order	0	0
OrderList	0	0
SingleOrder	0	0

四、代码度量

	Total lines of code	Lines of code and comment	Number of method
Client	4854	1357	909
Server	3	0	0
Common	1894	559	388