

物流管理系统

代码度量数据文档

南京大学软件学院

梦江文月夜队

成 员：王梦麟、徐江河、吴秦月、汪文藻

完成日期：2015/11/16

目录

1. Total lines of code.....	3
1. Client.....	3
2. Server	3
3.Common.....	3
2. Efferent Coupling.....	3
1. Client.....	3
2. Server	3
3. Common.....	4
2. Number of Methods	4
1. Client.....	4
2.Server	4
3.Common.....	4
3.其他 metrics 截图.....	5
1.Client.....	5
2.Server	5
3.Common.....	6

1. Total lines of code

1.Client

▼ Total Lines of Code	2524			
▶ java	2524			
resources	0			
java	0			
resources	0			

2.Server

▲ Total Lines of Code	1736			
▶ java	1123			
▶ java	613			

3.Common

▼ Total Lines of Code	3168			
▶ java	3168			
resources	0			
java	0			

2. Efferent Coupling

1.Client

▼ Efferent Coupling (avg/max per packageFrag...	4.375	2.037	7	/client/src/main/java/businesslogicservice/logisticbls...
▶ java	4.375	2.037	7	/client/src/main/java/businesslogicservice/logisticbls...
resources	0	0		
java	0	0		
resources	0	0		

2.Server

▲ Efferent Coupling (avg/max per packageFrag...	4.438	2.03	8	/server/src/test/java/data/logisticdata/MockObj...
▶ java	4.8	1.778	8	/server/src/test/java/data/logisticdata/MockObj...
▶ java	3.833	2.267	7	/server/src/main/java/data/logisticdata

3.Common

▼ Efferent Coupling (avg/max per packageFrag...		3.619	2.193	7	/common/src/main/java/dataservice/logisticdataservice
▶ java		3.619	2.193	7	/common/src/main/java/dataservice/logisticdataservice
resources		0	0		
java		0	0		

2. Number of Methods

1.Client

▼ Number of Methods (avg/max per type)	314	2.962	2.67	12	/client/src/main/java/vo/DeliveryNoteVO.java
▶ java	314	2.962	2.67	12	/client/src/main/java/vo/DeliveryNoteVO.java
resources	0	0	0		
java	0	0	0		
resources	0	0	0		
▼ Method Lines of Code (avg/max per method)	892	2.695	3.834	40	/client/src/main/java/businesslogicservice/statisticbls...
▶ java	892	2.695	3.834	40	/client/src/main/java/businesslogicservice/statisticbls...
resources	0	0	0		
java	0	0	0		
resources	0	0	0		

2.Server

▲ Number of Methods (avg/max per type)	224	3.068	2.479	11	/server/src/main/java/data/infodata/StaffOrgani...
▶ java	105	4.2	2.786	11	/server/src/main/java/data/infodata/StaffOrgani...
▶ java	119	2.479	2.072	10	/server/src/test/java/data/logisticdata/ArrivalNo...
▲ Method Lines of Code (avg/max per meth	130	1.313	1.68	15	/server/src/main/java/connection/RMIPublisher.j...
▶ java	76	1.31	1.984	15	/server/src/main/java/connection/RMIPublisher.j...
▶ java	54	1.317	1.114	6	/server/src/test/java/data/infodata/SystemUser...

3.Common

▼ Number of Methods (avg/max per type)	343	4.235	3.869	27	/common/src/main/java/po/DeliveryNotePO.java
▶ java	343	4.235	3.869	27	/common/src/main/java/po/DeliveryNotePO.java
resources	0	0	0		
java	0	0	0		
▼ Method Lines of Code (avg/max per method)	1203	3.26	5.893	54	/common/src/main/java/dataservice/infodataservice/...
▶ java	1203	3.26	5.893	54	/common/src/main/java/dataservice/infodataservice/...
resources	0	0	0		
java	0	0	0		

3.其他 metrics 截图

1.Client

Metrics - client						
Metric	Total	Mean	Std. Dev.	Maximum	Resource causing Maximum	Method
▶ Number of Parameters (avg/max per method)		0.906	1.555	11	/client/src/main/java/businesslogicservice/logisticbls...	DeliveryNoteInputBLServ...
▶ Number of Static Attributes (avg/max per type)	5	0.047	0.347	3	/client/src/main/java/connection/RMIHelper.java	
▶ Efferent Coupling (avg/max per packageFrag...		4.375	2.037	7	/client/src/main/java/businesslogicservice/logisticbls...	
▶ Specialization Index (avg/max per type)		0	0	0	/client/src/main/java/businesslogic/logistic/DeliveryN...	
▶ Number of Classes (avg/max per packageFr...	106	4.417	5.469	28	/client/src/main/java/vo	
▶ Number of Attributes (avg/max per type)	160	1.509	2.574	11	/client/src/main/java/businesslogicservice/logisticbls...	
▶ Abstractness (avg/max per packageFragment)		0.21	0.405	1	/client/src/main/java/businesslogicservice/commodit...	
▶ Normalized Distance (avg/max per packageF...		0.166	0.215	0.881	/client/src/main/java/vo	
▶ Number of Static Methods (avg/max per type)	17	0.16	0.437	3	/client/src/main/java/connection/RMIHelper.java	
▶ Number of Interfaces (avg/max per package...	24	1	2.062	7	/client/src/main/java/businesslogicservice/logisticbls...	
▶ Total Lines of Code	2524					
▶ Weighted methods per Class (avg/max per type)	401	3.783	2.727	12	/client/src/main/java/vo/DeliveryNoteVO.java	
▶ Number of Methods (avg/max per type)	314	2.962	2.67	12	/client/src/main/java/vo/DeliveryNoteVO.java	
▶ Depth of Inheritance Tree (avg/max per type)		1.075	0.264	2	/client/src/main/java/vo/ArrivalNoteOnTransitVO.java	
▶ Number of Packages	24					
▶ Instability (avg/max per packageFragment)		0.728	0.327	1	/client/src/main/java/businesslogic/logistic	
▶ McCabe Cyclomatic Complexity (avg/max p...		1.211	0.689	9	/client/src/main/java/businesslogicservice/statisticbls...	drive
▶ Nested Block Depth (avg/max per method)		1.021	0.144	2	/client/src/main/java/businesslogic/logistic/DeliveryN...	submitSendDoc
▶ Lack of Cohesion of Methods (avg/max per type)		0.199	0.338	1	/client/src/main/java/vo/NoteVO.java	
▼ Method Lines of Code (avg/max per method)	892	2.695	3.834	40	/client/src/main/java/businesslogicservice/statisticbls...	drive
▶ java	892	2.695	3.834	40	/client/src/main/java/businesslogicservice/statisticbls...	drive
resources	0	0	0			
java	0	0	0			
resources	0	0	0			
▶ Number of Overridden Methods (avg/max pe...	0	0	0	0	/client/src/main/java/businesslogic/logistic/DeliveryN...	
▶ Afferent Coupling (avg/max per packageFrag...		6.375	13.817	66	/client/src/main/java/vo	
▶ Number of Children (avg/max per type)	11	0.104	1.063	11	/client/src/main/java/vo/NoteVO.java	

2.Server

Metrics - server - Number of Overridden Methods (avg/max p...						
Metric	Total	Mean	Std. D...	Maxim...	Resource causing Maximum	Method
▶ Number of Overridden Methods (avg/max...	4	0.055	0.281	2	/server/src/test/java/data/statisticdata/MockObj...	
▶ Number of Attributes (avg/max per type)	26	0.356	0.558	2	/server/src/test/java/data/statisticdata/Business...	
▶ Number of Children (avg/max per type)	0	0	0	0	/server/src/main/java/connection/RMIPublisher.j...	
▶ Number of Classes (avg/max per package...	73	4.562	1.802	8	/server/src/test/java/data/logisticdata/MockObj...	
▶ Method Lines of Code (avg/max per meth...	550	2.402	2.552	15	/server/src/main/java/connection/RMIPublisher.j...	RMIPublisher
▶ Number of Methods (avg/max per type)	224	3.068	2.479	11	/server/src/main/java/data/infodata/StaffOrgani...	
▶ Nested Block Depth (avg/max per methoc...		1.009	0.093	2	/server/src/main/java/connection/RMIPublisher.j...	RMIPublisher
▶ Depth of Inheritance Tree (avg/max per ty...		1.425	0.639	4	/server/src/main/java/connection/RMIObjectPro...	
▶ Number of Packages	16					
▶ Afferent Coupling (avg/max per packageF...		1.375	2.288	8	/server/src/test/java/data/logisticdata/MockObj...	
▶ Number of Interfaces (avg/max per packa...	0	0	0	0	/server/src/main/java/connection	
▶ McCabe Cyclomatic Complexity (avg/max...		1.013	0.147	3	/server/src/main/java/connection/RMIPublisher.j...	RMIPublisher
▶ Total Lines of Code	1736					
▶ Instability (avg/max per packageFragment)		0.853	0.219	1	/server/src/main/java/connection	
▶ Number of Parameters (avg/max per metl...		0.93	1.636	13	/server/src/test/java/data/logisticdata/MockObj...	MockDeliveryNote
▶ Lack of Cohesion of Methods (avg/max pe...		0.007	0.058	0.5	/server/src/test/java/data/statisticdata/MockObj...	
▶ Efferent Coupling (avg/max per packageFi...		4.438	2.03	8	/server/src/test/java/data/logisticdata/MockObj...	
▶ Number of Static Methods (avg/max per t...	5	0.068	0.253	1	/server/src/main/java/connection/RMIPublisher.j...	
▶ Normalized Distance (avg/max per packa...		0.147	0.219	0.5	/server/src/test/java/data/commoditydata/Mock...	
▶ Abstractness (avg/max per packageFragm...		0	0	0	/server/src/main/java/connection	
▶ Specialization Index (avg/max per type)		0.046	0.223	1.333	/server/src/test/java/data/statisticdata/MockObj...	
▶ Weighted methods per Class (avg/max pe...	232	3.178	2.561	11	/server/src/main/java/data/infodata/StaffOrgani...	
▶ Number of Static Attributes (avg/max per...	17	0.233	0.712	5	/server/src/test/java/data/infodata/DriverVehicle...	

3.Common

Metrics - common						
Metric	Total	Mean	Std. Dev.	Maximum	Resource causing Maximum	Method
▶ Number of Parameters (avg/max per method)		0.802	1.436	13	/common/src/main/java/po/DeliveryNotePO.java	DeliveryNotePO
▶ Number of Static Attributes (avg/max per type)	41	0.506	1.044	8	/common/src/main/java/po/UserPO.java	
▶ Efferent Coupling (avg/max per packageFrag...		3.619	2.193	7	/common/src/main/java/dataservice/logisticdataservice	
▶ Specialization Index (avg/max per type)		0.003	0.028	0.25	/common/src/main/java/util/ResultMsg.java	
▶ Number of Classes (avg/max per packageFragment)	81	3.857	5.676	27	/common/src/main/java/po	
▶ Number of Attributes (avg/max per type)	204	2.519	2.704	13	/common/src/main/java/po/DeliveryNotePO.java	
▶ Abstractness (avg/max per packageFragment)		0.286	0.452	1	/common/src/main/java/connection	
▶ Normalized Distance (avg/max per packageF...		0.44	0.368	1	/common/src/main/java/connection	
▶ Number of Static Methods (avg/max per type)	26	0.321	0.467	1	/common/src/main/java/dataservice/commoditydatas...	
▶ Number of Interfaces (avg/max per package...	24	1.143	2.1	7	/common/src/main/java/dataservice/logisticdataservice	
▶ Total Lines of Code	3168					
▶ Weighted methods per Class (avg/max per type)	446	5.506	3.762	28	/common/src/main/java/po/DeliveryNotePO.java	
▶ Number of Methods (avg/max per type)	343	4.235	3.869	27	/common/src/main/java/po/DeliveryNotePO.java	
▶ Depth of Inheritance Tree (avg/max per type)		1.123	0.427	3	/common/src/main/java/dataservice/exception/Elem...	
▶ Number of Packages	21					
▶ Instability (avg/max per packageFragment)		0.473	0.372	1	/common/src/main/java/connection	
▶ McCabe Cyclomatic Complexity (avg/max p...		1.209	0.997	11	/common/src/main/java/dataservice/infodataservice/...	drive
▶ Nested Block Depth (avg/max per method)		1.003	0.052	2	/common/src/main/java/dataservice/statisticdataservi...	drive
▶ Lack of Cohesion of Methods (avg/max per type)		0.37	0.369	1	/common/src/main/java/dataservice/statisticdataservi...	
▶ Method Lines of Code (avg/max per method)	1203	3.26	5.893	54	/common/src/main/java/dataservice/infodataservice/...	drive
▶ Number of Overridden Methods (avg/max pe...	1	0.012	0.11	1	/common/src/main/java/util/ResultMsg.java	
▶ Afferent Coupling (avg/max per packageFrag...		18.857	30.042	124	/common/src/main/java/po	
▶ Number of Children (avg/max per type)	4	0.049	0.268	2	/common/src/main/java/po/ChartPO.java	