



Argentina_ejb1
1.0

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1. Argentina_ejb1

This chapter presents an overview of the project measures. This dashboard shows the most important measures related to project quality, and it provides a good starting point for identifying problems in source code.

1.1. Report Overview

Static Analysis

Lines of code

277,737

N/A packages

3,461 classes

23,053 methods

23.9% duplicated lines

Comments

29.5%

116,324 comment lines

Complexity

2.1

13.8 /class

47,679 decision points

Dynamic Analysis

Code Coverage

N/A

N/A tests

Test Success

N/A

N/A failures

N/A errors

Coding Rules Issues

Technical Debt

1,280d

Issues

23,940

1.2. Issues Analysis

Most violated rules	
Throwable and Error classes should not be caught	4,384
super.finalize() should be called at the end of Object.finalize() implementations	52
Throwable.printStackTrace(...) should never be called	100
The Object.finalize() method should never be overridden	53

Conditions in related "if/else if" statements should not be duplicated	8
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Most violated files	
WorkOrderDAO.java	749
WarehouseElementDAO.java	502
ReferenceBusinessBean.java	368
WarehouseDAO.java	335
CoreWOBusiness.java	331

Most complex files	
WorkOrderDAO.java	1,068
CoreWOBusiness.java	894
ReferenceBusinessBean.java	865
WarehouseElementDAO.java	846
TrayWorkOrderManagmentBusinessBean.java	698

Most duplicated files	
WarehouseElementDAO.java	2,231
WorkOrderDAO.java	1,578
ReferenceDAO.java	1,214
ReportsCoreDAO.java	821
FinancialTransaction.java	804

1.3. Issues Details

Rule	Throwable and Error classes should not be caught	
File	Line	
AssignmentFacadeImpl.java	309	
AssignmentSkillCoordinator.java	143	
DealerDetailsFileProcessor.java	125	
CapacityByDateAndServiceHourSkill.java	115, 145	
EvenOrOddCustomerCodeSkill.java	46	
KPISkill.java	58	
PrioritizedCapacitySkill.java	56	

SaleAndInstallDealerAssociatedSkill.java	46
SaleAndInstallSameDealerSkill.java	45
KPICoordinator.java	62, 107, 225
DealerIndicatorFactoryImpl.java	47
AgingIndicator.java	66
BackLogInDaysIndicator.java	63
CycleTimeIndicator.java	65
OnTimeIndicator.java	73
RetrievalIndicator.java	64
SoS90Indicator.java	67

Rule	super.finalize() should be called at the end of Object.finalize() implementations	
File	Line	
AssignmentSkillCoordinator.java	81	
DBAssignmentConfigLoader.java	23	
OBRAssignmentConfigLoader.java	17	
AssignmentConfiguration.java	58	
AssignmentCriteria.java	90	
SkillEvaluationDTO.java	373	
NDSCSkillResultEvaluator.java	23	
SNDSCKillResultEvaluator.java	22	
AttendBuildingSkill.java	47	
AttendServiceCategorySkill.java	29	
AttendServiceSubcategorySkill.java	30	
AttendServiceSubcategoryWithCoverageSkill.java	29	
AttendedLastServiceWithWarrantySkill.java	53	
AttendedLastServiceWithoutWarrantySkill.java	37	
BalanceByRecoveryAmountSkill.java	29	
BalancedCapacitySkill.java	52	
CapacityByDateAndServiceHourSkill.java	51	
CoverageSkill.java	34	
CustomerTypeSkill.java	30	
DealerByCustomerTypesSkill.java	36	

Rule	Throwable.printStackTrace(...) should never be called	
File	Line	
AssignmentSkillCoordinator.java	145	
DealerCoverageFileProcessor.java	98	
CapacityByDateAndServiceHourSkill.java	117	

EvenOrOddCustomerCodeSkill.java	48
KPISkill.java	60
PrioritizedCapacitySkill.java	58
SaleAndInstallDealerAssociatedSkill.java	48
SaleAndInstallSameDealerSkill.java	47
AssignmentSkillFactoryImpl.java	52, 42, 47
KPICoordinator.java	226, 63
ScheduleManager.java	326
ThreadManager.java	53
AbstractPaginationBase.java	64, 60
CodesBusinessEntityHelper.java	76
ApplicationTextEnum.java	542
BeanContextUtils.java	49

Rule	The Object.finalize() method should never be overridden	
File	Line	
AssignmentSkillCoordinator.java	81	
DBAssignmentConfigLoader.java	23	
OBRAssignmentConfigLoader.java	17	
AssignmentConfiguration.java	58	
AssignmentCriteria.java	90	
SkillEvaluationDTO.java	373	
NDSCSkillResultEvaluator.java	23	
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AttendBuildingSkill.java	47	
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AttendServiceSubcategorySkill.java	30	
AttendServiceSubcategoryWithCoverageSkill.java	29	
AttendedLastServiceWithWarrantySkill.java	53	
AttendedLastServiceWithoutWarrantySkill.java	37	
BalanceByRecoveryAmountSkill.java	29	
BalancedCapacitySkill.java	52	
CapacityByDateAndServiceHourSkill.java	51	
CoverageSkill.java	34	
CustomerTypeSkill.java	30	
DealerByCustomerTypesSkill.java	36	

Rule	Conditions in related "if/else if" statements should not be duplicated	
File	Line	

ExternalInventoryServiceBrokerImpl.java	352, 392, 272, 232, 312
ManageWorkForceServiceBrokerImpl.java	452, 455, 458

Rule	"equals(Object obj)" should be overridden along with the "compareTo(T obj)" method	
File	Line	
SkillExecConfiguration.java	91	
MovedElementSerializedDTO.java	590	
Menu.java	111	
EmployeeVO.java	144	

Rule	Synchronized classes Vector, Hashtable, Stack and StringBuffer should not be used	
File	Line	
ResponseSearchKpiResultsDTO.java	130	
EJBRemoteJNDINameEnum.java	67	
ErrorBusinessMessages.java	759, 808	
IvrBusinessMessagesEnum.java	93	
CustomerContactsServiceLocator.java	124	
ExternalInventoryServiceLocator.java	96	
ServiceLocator.java	764	
KeyUtil.java	53, 36	
Log4jLogger.java	24	
ReferenceMailSender.java	210, 147, 252	
UtilsBusiness.java	1471, 2971, 3131, 1368, 1522, 1444	

Rule	Avoid commented-out lines of code	
File	Line	
AssignmentFacadeImpl.java	398	
AttendBuildingSkill.java	64	
OtherServices2CustomerSkill.java	94	
DateServiceHourWorkLoadCalculator.java	213	
DealerWorkCapacityLoaderImpl.java	74, 77	
ScheduleAssembler.java	85	
AuditLogInterceptor.java	306, 328, 398, 326, 388, 384, 310, 258, 390, 360, 271, 303, 342	

Rule	Duplicated blocks	
File	Line	
SkillEvaluationDTO.java	N/A	
DealerBuildingsFileProcessor.java	N/A	
DealerServiceSubcatWthPcFileProcessor.java	N/A	
ResponseSearchKpiResultsDTO.java	N/A	
AgingIndicator.java	N/A	
BackLogInDaysIndicator.java	N/A	
CycleTimeIndicator.java	N/A	
OnTimeIndicator.java	N/A	
RetrievalIndicator.java	N/A	
SoS90Indicator.java	N/A	
ErrorBusinessMessages.java	N/A	
IvrBusinessMessagesEnum.java	N/A	
ServiceLocator.java	N/A	
BeanContextUtils.java	N/A	
ReferenceMailSender.java	N/A	
ResourceBundleReader.java	N/A	
ResourceBundleReport.java	N/A	
UtilsBusiness.java	N/A	
BusinessInteraction.java	N/A	
City.java	N/A	

Rule	if/else/for/while/do statements should always use curly braces	
File	Line	
AssignmentFacadeImpl.java	301, 299, 203, 304	
AssignmentSkillCoordinator.java	184, 177, 179	
CapacityByDateAndServiceHourSkill.java	104, 87	
KPIConfigLoaderImpl.java	22	
KPIResultPersistenceManager.java	35	
DateServiceHourWorkLoadCalculator.java	163	
ScheduleManager.java	322, 170, 319, 317	
AbstractPaginationBase.java	88	
ExcelGenerator.java	109, 97, 103	