

fineract-provider-java-mifo 1.0

2017-03-14



Sonar PDF Report

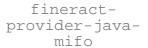
fineractprovider-javamifo

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1. fineract-provider-java-mifo

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	Comments	Complexity
195,027	3.7%	2.2
N/A packages	7,399 comment lines	11.8 /class
2,706 classes		31,889 decision points
14,771 methods		
5.9% duplicated lines		

Dynamic Analysis

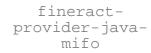
Code Coverage	Test Success
N/A	N/A
N/A tests	N/A failures
	N/A errors

Coding Rules Issues

Technical Debt	Issues
179d	12,255

1.2. Issues Analysis

Most violated rules		
Throwable and Error should not be caught	7	
"equals(Object obj)" and "hashCode()" should be overridden in pairs	5	
Throwable.printStackTrace() should not be called	6	
"equals(Object obj)" should be overridden along with the "compareTo(T obj)" method	6	







Thread.run() and Runnable.run() should not be called directly	1
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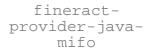
Most violated files		
Loan.java	287	
LoanWritePlatformServiceJpaRepos itoryImpl.java	259	
ReadWriteNonCoreDataServiceImpl.java	253	
DepositsApiConstants.java	169	
SavingsAccountWritePlatformServic eJpaRepositoryImpl.java	163	

Most complex files		
Loan.java	1,385	
SavingsAccount.java	606	
LoanWritePlatformServiceJpaRepos itoryImpl.java	460	
AbstractLoanScheduleGenerator.jav	453	
LoanProductDataValidator.java	379	

Most duplicated files		
DepositAccountReadPlatformServic elmpl.java	644	
SavingsAccountReadPlatformServic elmpl.java	534	
LoanAccountData.java	343	
GroupingTypesDataValidator.java	302	
DepositAccountWritePlatformServic eJpaRepositoryImpl.java	295	

1.3. Issues Details

Rule Throwable and Error should not be caught	
File	Line
BatchApiServiceImpl.java 155	
CommandHandlerProvider.java	92





AbandonedConnectionCleanupShutdownListener.java	65, 53
JobRegisterServiceImpl.java	271, 175
ReportingProcessServiceProvider.java	78

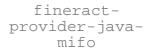
Rule "equals(Object obj)" and "hashCode()" should be overridden in pairs	
File	Line
LoanProductProvisioningEntry.java	120
LoanDisbursementDetails.java	70
LoanProductBorrowerCycleVariations.java	84
SavingsAccountCharge.java	694
ShareAccountCharge.java	419

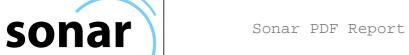
Rule Throwable.printStackTrace() should not be called	
File	Line
ImageData.java	203
FineractEntityAccessWriteServiceImpl.java	170
XBRLResultServiceImpl.java	182
CalendarUtils.java	120, 217
TemplateMergeService.java	177

Rule "equals(Object obj)" should be overridden along with the "compareTo(T obj)" method	
File	Line
Money.java	245
ProvisioningCriteriaData.java	88
ProvisioningCriteriaDefinitionData.java	101
LoanChargeCommand.java	53
DisbursementData.java	70
LoanTermVariationsData.java	107

Rule Thread.run() and Runnable.run() should not be called directly		
File		Line
Schedul	erStopListener.java	75

Rule	"object == null" should be used instead of "object.equals(null)"



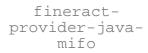


File	Line
ResponseCorsFilter.java	45

Rule Statements should be on separate lines	
File	Line
AccrualAccountingDataValidator.java	78, 61
GLClosureCommand.java	60, 73
GLClosureInvalidException.java	37, 44
GLClosureCommandFromApiJsonDeserializer.java	56
GLClosureWritePlatformServiceJpaRepositoryImpl.java	83, 145, 106, 79, 123, 131
FinancialActivityAccountRepositoryWrapper.java	45, 51
FinancialActivityAccountDataValidator.java	118, 111
FinancialActivityAccountWritePlatformServiceImpl.java	98
GLAccountCommand.java	121, 91

Rule Constant names should comply with a naming convention	
File	Line
AccrualAccountingConstants.java	27, 29, 28
FinancialActivityAccountsConstants.java	30
DuplicateFinancialActivityAccountFoundException.java	29
FinancialActivityAccountInvalidException.java	31
GLAccountReadPlatformServiceImpl.java	49
AccountNumberFormatConstants.java	50, 49, 37, 40, 42, 34, 33, 41
CacheApiConstants.java	28
SmsCampaignValidator.java	67, 49, 65, 69

Rule Methods should not have too many parameters	
File	Line
GLClosureData.java	62
GLAccountCommand.java	48
GLAccountData.java	94, 65
GLAccount.java	86
JournalEntriesApiResource.java	91
JournalEntryCommand.java	58
ClientTransactionDTO.java	49
JournalEntryData.java	81





LoanDTO.java	35
LoanTransactionDTO.java	56
OfficeOpeningBalancesData.java	47, 62
SavingsTransactionDTO.java	48
SharesTransactionDTO.java	44
JournalEntry.java	112, 126
AccountingProcessorHelper.java	679, 1015, 661

Rule Unused private fields should be removed	
File	Line
TransactionTypeEnumData.java	28, 29
LoanProductProvisioningEntryData.java	39, 35, 29, 53, 47, 57, 59, 51
ProvisioningEntryData.java	40, 44, 42, 32, 30, 34
SmsCampaignData.java	60, 39, 52, 62