



fineract-provider-java-mifo
1.0

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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

195,027

N/A packages

2,706 classes

14,771 methods

5.9% duplicated lines

Comments

3.7%

7,399 comment lines

Complexity

2.2

11.8 /class

31,889 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

179d

Issues

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
LoanWritePlatformServiceJpaRepositoryImpl.java	259
ReadWriteNonCoreDataServiceServiceImpl.java	253
DepositsApiConstants.java	169
SavingsAccountWritePlatformServiceJpaRepositoryImpl.java	163

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

Most duplicated files	
DepositAccountReadPlatformServiceImpl.java	644
SavingsAccountReadPlatformServiceImpl.java	534
LoanAccountData.java	343
GroupingTypesDataValidator.java	302
DepositAccountWritePlatformServiceJpaRepositoryImpl.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	
SchedulerStopListener.java	75	

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