GUI

App (main)

+ main(String{} args)

Data Manager

FileReaderUtil.java

ObjectCalculadora

Logger.java

Data Manager

Config
+ EXPRESSION_DIR: String

+ RESULT_DIR: String

+ DEFAULT_FILE: STRING

DataStorage
+ initialize(): void

+ createDirectory(String): void

FileHandler
+ readFIle(String): String

+ writeResult(String, String): void

Object Calculadora

RPNculculadora
- Class<T> type

+ RPNCalculator(Class<T> type)

- isNumber(String): boolean

- isValidOperator(String): boolean

<<interface>>
Icalculadora
+ evaluate(String): T

factory

OperationFactory

+ <T extends Numer> getOperation(String): Operation<T>

Operations

<<interface>>
Operation<T extends Number>

+ execute(T n, T m): T

Division
<T extends Number>

Modulus
<T extends Number>

Multiplication
<T extends Number>

Addition
<T extends Number>

Substraction
<T extends Number>

Graphical user Interface

CalculadoraView

- JButtom: Jframe

- JTextArea: resultArea

+ CalculadoraView(): void

+ getBtnSelectFile(): Jbutton

+ getResultArea: JTextArea

- - - - - Use - - - - ->

CalculadoraGUI

+ runGUI: void

CalculadoraModel

+ List<String> proccessFile(String filePath)

CalculadoraController

+ CalculadoraController(view)

+ actionPerformed(ActionEvent): void

+ proccessFIle(String): void

GUIUtils

+ showErrorMessage(String): void

+ showInfoMessage(String): void

Utils

FileReaderUtil

+ readFile(String): List<String>

Logger

- Logger: instance

+ Logger()

+ getInstance(): Logger

setupLogger(): void

+ logInfo(String): void

+ logWarning(String): void

+ logSevere(String): void

+ UnsuportedOperation(Class<?>): vc

StackADT

(not implemented in final version)