ConditionalElement
- -patternBinding : String
- -pattern : String
- -constraints : ConstraintList
- +getCondition() : String
- +setCondition()
- +toString() : String
- +setPatternBinding()
- +getPatternBinding() : String
- +setPattern()
- +getPattern() : String
- +setRestraint()
- +getRestraint() : String

ConditionalElementList
- -conditionalElementsList : ArrayList<ConditionalElement>
- +add() : Boolean
- +remove() : Boolean
- +remove() : Boolean
- +getConditionalElementsList() : ArrayList<ConditionalElement>
- +setConditionalElementsList()
- +toString() : String

ConstraintList
- -constraintList : ArrayList<Constraint>
- +add() : Boolean
- +remove() : Boolean
- +remove() : Boolean
- +getConstraintList() : ArrayList<Constraint>
- +setConstraintList()
- +toString() : String

Constraint
- -operator : Operator
- -leftHandSide : String
- -rightHandSide : String
- -logicalConjunction : LogicalConjunction
- +equals() : Boolean
- +hashCode() : int
- +getOperator() : Operator
- +getLeftHandSide() : String
- +getRightHandSide() : String
- +getLogicalConjunction() : LogicalConjunction
- +setOperator()
- +setLeftHandSide()
- +setRightHandSide()
- +setLogicalConjunction()
- +toString() : String

«enumeration» Operator
- +EQUAL_TO = ==
- +GREATER_THAN = >
- +LESS_THAN = <
- +GREATER_EQUAL = >=
- +LESS_EQUAL = <=
- +NOT_EQUAL = !=
- +CONTAINS = contains
- +NOT_CONTAINS = not contains
- +MEMBER_OF = memberof
- +MATCHES = matches
- +NOT_MATCHES = not matches
- +IN = in
- +NOT_IN = not in
- +toString() : String

«enumeration» LogicalConjunction
- +AND = &&
- +OR = ||
- +NONE
- +toString() : String

ActionList
- -act_svc : ActionCollectionServices
- -actionMap : HashMap<String, Action>
- -action : Action
- +insertAction()
- +removeAction()
- +keyCheck() : Boolean
- +toString() : String

RuleCollectionService
- -instance : RuleCollectionService
- -rules : HashMap<String, Rule>
- -fileLoc : String
- +getInstance() : RuleCollectionService
- +addRule()
- +importRulesMade()
- +exportRulesMade()
- +getRules() : HashMap<String, Rule>
- +toString() : String
- +setFileLoc()
- +getFileLoc() : String

Rule
- -title : String
- -conditionalElemList : ConditionalElementList
- -action : Action
- -act_svc : ActionCollectionServices
- +getTitle() : String
- +setTitle()
- +getConditionalElemList() : ConditionalElementList
- +setConditionalElement()
- +getAction() : Action
- +setAction()
- +toString() : String

ActionCollectionServices
- -actions : HashMap<String, Action>
- -Instance : ActionCollectionServices
- +getInstance() : ActionCollectionServices
- +insertActions()
- +removeAction()
- +getAction() : Action
- +containsAction() : Boolean
- +containsKey() : Boolean
- +duplicateAction() : Boolean
- +toString() : String

Action
- -action : String
- +toString() : String
- +setAction()
- +getAction() : String
- +clear()

RulesReader
- -pathName : String
- -fileName : String
- -ruleList : HashMap<String, String>
- +getPathName() : String
- +getFileName() : String
- +setPathName()
- +setFileName()
- +printKeys() : String
- +printMap() : String
- +getRule() : String
- +readDroolsFile()

CreateDroolsFile
- -filename : String
- -path : String
- +makeDroolsFile() : File
- +getFilename() : String
- +setFilename()
- +getBASE_NAME() : String

CSVReader
- -csvFileParser : CSVParser
- +toString() : String
- +setCsvFileParser()

Entity
- -entityName : String
- -data : HashMap<String, Data>
- +setName()
- +getData() : HashMap<String, Data>
- +setData()
- +getName() : String
- +getValue() : Object
- +toString() : String

InputParserService
- -obj_svc : ObjectCollectionService
- -entity : Entity
- -obj_type : ObjectType
- -INSTANCE : InputParserService
- -selector : int
- +getInstance() : InputParserService
- +parseTextLine()
- +parseJsonObjects()
- +dataChecker() : Boolean
- +doubleParse() : Double
- +intParse() : int
- +charParse() : Char
- +boolParse() : Boolean
- +isComment() : Boolean
- +getObjectType() : Boolean

«enumeration» ObjectType
- +INT = INT
- +STRING = STRING
- +DOUBLE = DOUBLE
- +CHAR = CHAR
- +BOOL = BOOL
- +getValue() : String

Data
- -name : String
- -type : String
- -value : Object
- +setName()
- +getName() : String
- +setType()
- +getType() : String
- +setData()
- +getData() : Object
- +clearData()
- +toString() : String

InputReaderService
- -parse_svc : InputParserService
- -file : File
- -INSTANCE : InputReaderService
- +getInstance() : InputReaderService
- +readFile()
- +readJsonFile()
- +readRuleFile()
- +endOfFile() : Boolean
- +ReadObjectDataFile() : Data

ObjectCollectionService
- -data_list : HashMap<String, ObjectData>
- -INSTANCE : ObjectCollectionService
- +getInstance() : ObjectCollectionService
- +insertDataObject()
- +retrieveRuleObject() : Data
- +clearObjectService()
- +removeDataObject() : Data
- +toString() : String

RuleActivation
- -localFilePath : String
- -kfsFilePath : String
- -kServices : KieServices
- -kContainer : KieContainer
- -kSession : KieSession
- -kfs : KieFileSystem
- -kRepo : KieRepository
- +addExistingFile()
- +addNonExistingFile()
- +buildKnowledgeSession()
- +fireAllRules()
- +dispose()
- +getRule() : String

FileWriterService
- -INSTANCE : FileWriterService
- +getInstance() : FileWriterService
- +writeToFile()

Driver

SerializationService
- -fileExt : String
- -instance : SerializationService
- +getInstance() : SerializationService
- +serialize()
- +deserialize() : Object

-End1
-End2