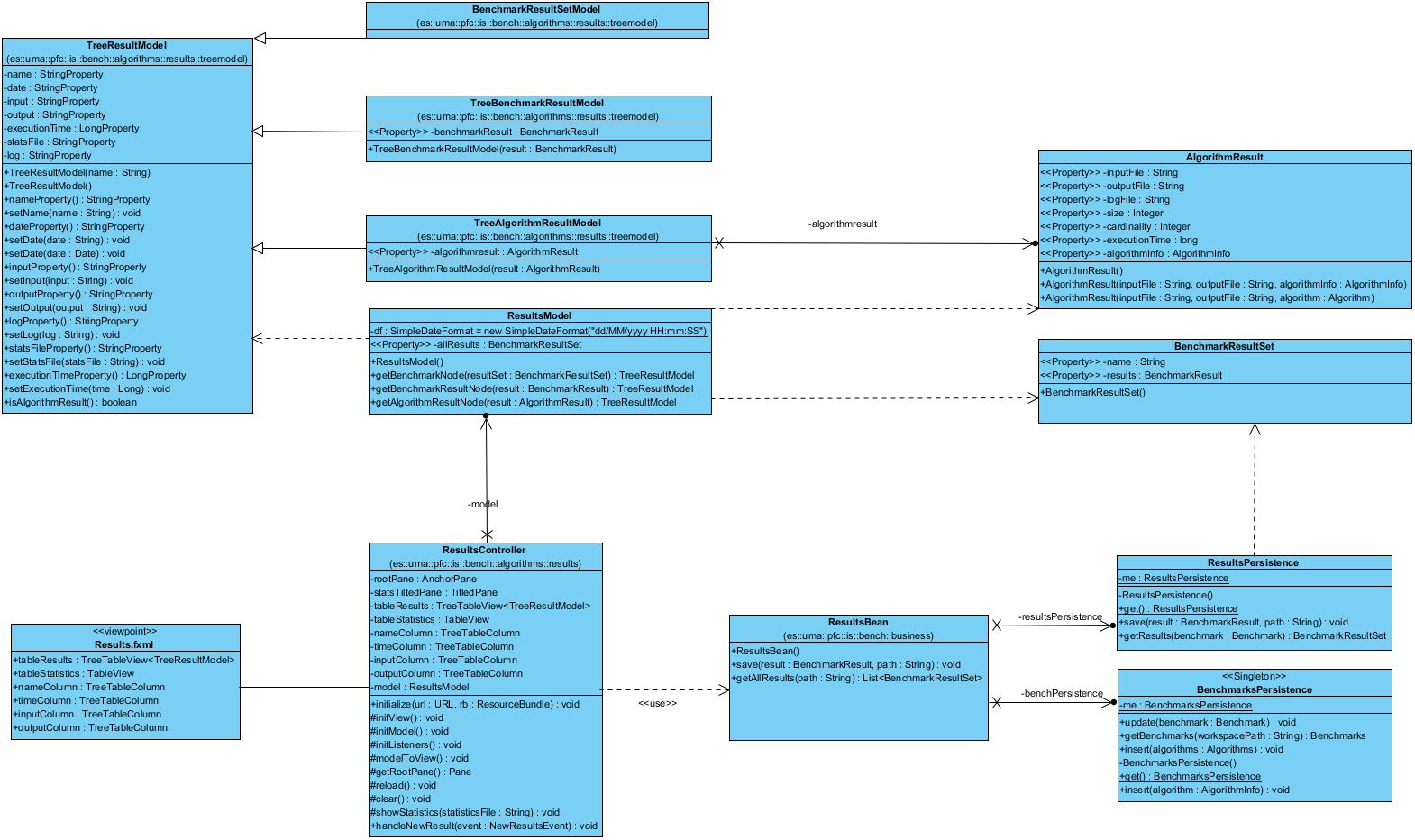
# Consultar resultados



## Summary

|  |  |
| --- | --- |
| **Name** | **Description** |
| Image1.png [BenchmarkResultSetModel](#mb26xwqGAqACImHB) | Benchmark resultset tree node model. |
| Image1.png [TreeResultModel](#9GbSxwqGAqACImB0) | Results tree table view model.  Represents a row of the results table. |
| Image1.png [TreeBenchmarkResultModel](#hEJ6xwqGAqACImHS) | Model for benchmark result node. |
| Image1.png [AlgorithmResult](#I3yyxwqGAqACImDs) | Algorithm result info. |
| Image1.png [TreeAlgorithmResultModel](#BEJ6xwqGAqACImHQ) | Model for algorithm result nodes. |
| Image1.png [ResultsModel](#fbUYxwqGAqACIl8u) | Results view model. |
| Image1.png [BenchmarkResultSet](#HSnSxwqGAqACImCQ) | Colleciton of benchmark results. |
| Image1.png [ResultsController](#X.M4xwqGAqACIl.f) | Results view controller. |
| Image1.png [ResultsPersistence](#C5LyxwqGAqACImE.) | Class for the read and write results to/from files. |
| Image1.png [ResultsBean](#UBhSxwqGAqACImBX) | Results bean. |
| Image1.png [Results.fxml](#dhYixwqGAqACIl.5) |  |
| Image1.png [BenchmarksPersistence](#6VTyxwqGAqACImEr) | Persist the benchmarks into an XML file entities using JAXB. |

## Details

### Image2.png BenchmarkResultSetModel

|  |  |
| --- | --- |
| **Name** | **Value** |
| Description | Benchmark resultset tree node model. |
| Active | false |
| Business Key Mutable | true |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |

### Image2.png TreeResultModel

|  |  |
| --- | --- |
| **Name** | **Value** |
| Description | Results tree table view model.  Represents a row of the results table. |
| Active | false |
| Business Key Mutable | true |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private name : javafx.beans.property.StringProperty** | | | |
| Description | Name. | | |
| Type | javafx.beans.property.StringProperty | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | 1 | | |
| Java Detail | N/A | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private date : javafx.beans.property.StringProperty** | | | |
| Description | Date. | | |
| Type | javafx.beans.property.StringProperty | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | 1 | | |
| Java Detail | N/A | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private input : javafx.beans.property.StringProperty** | | | |
| Description | Input. | | |
| Type | javafx.beans.property.StringProperty | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | 1 | | |
| Java Detail | N/A | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private output : javafx.beans.property.StringProperty** | | | |
| Description | Output. | | |
| Type | javafx.beans.property.StringProperty | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | 1 | | |
| Java Detail | N/A | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private executionTime : javafx.beans.property.LongProperty** | | | |
| Description | Execution time. | | |
| Type | javafx.beans.property.LongProperty | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | 1 | | |
| Java Detail | N/A | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private statsFile : javafx.beans.property.StringProperty** | | | |
| Description | Statistics file. | | |
| Type | javafx.beans.property.StringProperty | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | 1 | | |
| Java Detail | N/A | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private log : javafx.beans.property.StringProperty** | | | |
| Description | Log file. | | |
| Type | javafx.beans.property.StringProperty | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | 1 | | |
| Java Detail | N/A | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |

#### Operations

|  |  |
| --- | --- |
| **public TreeResultModel (name : String)** | |
| Parameters | |  |  | | --- | --- | | **name** | | | Description | Name. | | Multiplicity | Unspecified | | Type | Image3.png String | | Direction | inout | | Java Detail | N/A | |
| Description | Constructor. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public TreeResultModel ()** | |
| Description | Constructor. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public nameProperty () : javafx.beans.property.StringProperty** | |
| Description | Name property. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Return Type Description | Name property. |
| Query | false |

|  |  |
| --- | --- |
| **public setName (name : String) : void** | |
| Parameters | |  |  | | --- | --- | | **name** | | | Description | Name. | | Multiplicity | Unspecified | | Type | Image3.png String | | Direction | inout | | Java Detail | N/A | |
| Description | Establishes the name. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public dateProperty () : javafx.beans.property.StringProperty** | |
| Description | Date property. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Return Type Description | String property. |
| Query | false |

|  |  |
| --- | --- |
| **public setDate (date : String) : void** | |
| Parameters | |  |  | | --- | --- | | **date** | | | Description | Date string. | | Multiplicity | Unspecified | | Type | Image3.png String | | Direction | inout | | Java Detail | N/A | |
| Description | Establishes the date. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public setDate (date : java.util.Date) : void** | |
| Parameters | |  |  | | --- | --- | | **date** | | | Description | Date. | | Multiplicity | Unspecified | | Type | java.util.Date | | Direction | inout | | Java Detail | N/A | |
| Description | Establishes the date with the format "dd/MM/yyyy HH:mm:SS". |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public inputProperty () : javafx.beans.property.StringProperty** | |
| Description | Input property. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Return Type Description | StringProperty. |
| Query | false |

|  |  |
| --- | --- |
| **public setInput (input : String) : void** | |
| Parameters | |  |  | | --- | --- | | **input** | | | Description | Input. | | Multiplicity | Unspecified | | Type | Image3.png String | | Direction | inout | | Java Detail | N/A | |
| Description | Establishes the input. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public outputProperty () : javafx.beans.property.StringProperty** | |
| Description | Output property. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Return Type Description | StringProperty. |
| Query | false |

|  |  |
| --- | --- |
| **public setOutput (output : String) : void** | |
| Parameters | |  |  | | --- | --- | | **output** | | | Description | Output. | | Multiplicity | Unspecified | | Type | Image3.png String | | Direction | inout | | Java Detail | N/A | |
| Description | Establishes the output. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public logProperty () : javafx.beans.property.StringProperty** | |
| Description | Log property. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Return Type Description | StringProperty. |
| Query | false |

|  |  |
| --- | --- |
| **public setLog (log : String) : void** | |
| Parameters | |  |  | | --- | --- | | **log** | | | Description | Log path. | | Multiplicity | Unspecified | | Type | Image3.png String | | Direction | inout | | Java Detail | N/A | |
| Description | Establishes the log path. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public statsFileProperty () : javafx.beans.property.StringProperty** | |
| Description | Statistics file property. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Return Type Description | StringProperty. |
| Query | false |

|  |  |
| --- | --- |
| **public setStatsFile (statsFile : String) : void** | |
| Parameters | |  |  | | --- | --- | | **statsFile** | | | Description | Statistics file path. | | Multiplicity | Unspecified | | Type | Image3.png String | | Direction | inout | | Java Detail | N/A | |
| Description | Establishes the statistics file path. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public executionTimeProperty () : javafx.beans.property.LongProperty** | |
| Description | Execution time property. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Return Type Description | LongProperty. |
| Query | false |

|  |  |
| --- | --- |
| **public setExecutionTime (time : Long) : void** | |
| Parameters | |  |  | | --- | --- | | **time** | | | Description | Execution time. | | Multiplicity | Unspecified | | Type | Long | | Direction | inout | | Java Detail | N/A | |
| Description | Establishes the execution time. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public isAlgorithmResult () : boolean** | |
| Description | If the row is an algorithm result. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Return Type Description | {@code true} if is an algorithm result, {@code false} otherwise. |
| Query | false |

### Image2.png TreeBenchmarkResultModel

|  |  |
| --- | --- |
| **Name** | **Value** |
| Description | Model for benchmark result node. |
| Active | false |
| Business Key Mutable | true |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private benchmarkResult : BenchmarkResult** | | | |
| Description | Benchmark result. | | |
| Stereotypes | Property | | |
| Type | Image2.png BenchmarkResult | | |
| Allow Empty Name | false | | |
| Getter | true | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |

#### Operations

|  |  |
| --- | --- |
| **public TreeBenchmarkResultModel (result : es.uma.pfc.is.bench.domain.BenchmarkResult)** | |
| Parameters | |  |  | | --- | --- | | **result** | | | Description | Benchmark result. | | Multiplicity | Unspecified | | Type | es.uma.pfc.is.bench.domain.BenchmarkResult | | Direction | inout | | Java Detail | N/A | |
| Description | Constructor. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Query | false |

### Image2.png AlgorithmResult

|  |  |
| --- | --- |
| **Name** | **Value** |
| Description | Algorithm result info. |
| Active | false |
| Business Key Mutable | true |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private inputFile : String** | | | |
| Description | Implicational system input file. | | |
| Stereotypes | Property | | |
| Type | Image3.png String | | |
| Allow Empty Name | false | | |
| Getter | true | Setter | false |
| Derived | false | | |
| Multiplicity | 1..\* | | |
| Java Detail | N/A | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private outputFile : String** | | | |
| Description | Implicational system output file. | | |
| Stereotypes | Property | | |
| Type | Image3.png String | | |
| Allow Empty Name | false | | |
| Getter | true | Setter | false |
| Derived | false | | |
| Multiplicity | 1 | | |
| Java Detail | N/A | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private logFile : String** | | | |
| Description | Log file. | | |
| Stereotypes | Property | | |
| Type | Image3.png String | | |
| Allow Empty Name | false | | |
| Getter | true | Setter | true |
| Derived | false | | |
| Multiplicity | 1 | | |
| Java Detail | N/A | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private size : Integer** | | | |
| Description | Implicational System size. | | |
| Stereotypes | Property | | |
| Type | Integer | | |
| Allow Empty Name | false | | |
| Getter | true | Setter | false |
| Derived | false | | |
| Multiplicity | 1 | | |
| Java Detail | N/A | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private cardinality : Integer** | | | |
| Description | Implicational System cardinality. | | |
| Stereotypes | Property | | |
| Type | Integer | | |
| Allow Empty Name | false | | |
| Getter | true | Setter | false |
| Derived | false | | |
| Multiplicity | 1 | | |
| Java Detail | N/A | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private executionTime : long** | | | |
| Description | Execution time. | | |
| Stereotypes | Property | | |
| Type | Image3.png long | | |
| Allow Empty Name | false | | |
| Getter | true | Setter | true |
| Derived | false | | |
| Multiplicity | 1 | | |
| Java Detail | N/A | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private algorithmInfo : AlgorithmInfo** | | | |
| Description | Info of the executed algorithm. | | |
| Stereotypes | Property | | |
| Type | Image2.png AlgorithmInfo | | |
| Allow Empty Name | false | | |
| Getter | true | Setter | false |
| Derived | false | | |
| Multiplicity | 1 | | |
| Java Detail | N/A | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |

#### Operations

|  |  |
| --- | --- |
| **public AlgorithmResult ()** | |
| Description | Constructor. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public AlgorithmResult (inputFile : String, outputFile : String, algorithmInfo : AlgorithmInfo)** | |
| Parameters | |  |  | | --- | --- | | **inputFile** | | | Description | Input system file. | | Multiplicity | Unspecified | | Type | Image3.png String | | Direction | inout | | Java Detail | N/A |  |  |  | | --- | --- | | **outputFile** | | | Description | Output system file. | | Multiplicity | Unspecified | | Type | Image3.png String | | Direction | inout | | Java Detail | N/A |  |  |  | | --- | --- | | **algorithmInfo** | | | Description | Algorithm info. | | Multiplicity | Unspecified | | Type | Image2.png AlgorithmInfo | | Direction | inout | | Java Detail | N/A | |
| Description | Constructor. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public AlgorithmResult (inputFile : String, outputFile : String, algorithm : Algorithm)** | |
| Parameters | |  |  | | --- | --- | | **inputFile** | | | Description | Input system file. | | Multiplicity | Unspecified | | Type | Image3.png String | | Direction | inout | | Java Detail | N/A |  |  |  | | --- | --- | | **outputFile** | | | Description | Output system file. | | Multiplicity | Unspecified | | Type | Image3.png String | | Direction | inout | | Java Detail | N/A |  |  |  | | --- | --- | | **algorithm** | | | Description | Algorithm. | | Multiplicity | Unspecified | | Type | Image2.png Algorithm | | Direction | inout | | Java Detail | N/A | |
| Description | Constructor. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Query | false |

### Image2.png TreeAlgorithmResultModel

|  |  |
| --- | --- |
| **Name** | **Value** |
| Description | Model for algorithm result nodes. |
| Active | false |
| Business Key Mutable | true |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private algorithmresult : AlgorithmResult** | | | |
| Description | Algorithm result; | | |
| Stereotypes | Property | | |
| Type | Image2.png [AlgorithmResult](#7IlEkwqGAqACIUcO) | | |
| Allow Empty Name | false | | |
| Getter | true | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |

#### Operations

|  |  |
| --- | --- |
| **public TreeAlgorithmResultModel (result : AlgorithmResult)** | |
| Parameters | |  |  | | --- | --- | | **result** | | | Description | Algorihtm result. | | Multiplicity | Unspecified | | Type | Image2.png [AlgorithmResult](#7IlEkwqGAqACIUcO) | | Direction | inout | | Java Detail | N/A | |
| Description | Constructor. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Query | false |

### Image2.png ResultsModel

|  |  |
| --- | --- |
| **Name** | **Value** |
| Description | Results view model. |
| Active | false |
| Business Key Mutable | true |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private df : java.text.SimpleDateFormat** | | | |
| Initial Value | new SimpleDateFormat("dd/MM/yyyy HH:mm:SS") | | |
| Type | java.text.SimpleDateFormat | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private allResults : BenchmarkResultSet** | | | |
| Description | All results. | | |
| Stereotypes | Property | | |
| Type | Image2.png [BenchmarkResultSet](#oNB5cwqGAqACIid3) | | |
| Allow Empty Name | false | | |
| Getter | true | Setter | true |
| Derived | false | | |
| Multiplicity | \* | | |
| Java Detail | N/A | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |

#### Operations

|  |  |
| --- | --- |
| **public ResultsModel ()** | |
| Description | Constructor. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getBenchmarkNode (resultSet : BenchmarkResultSet) : TreeResultModel** | |
| Parameters | |  |  | | --- | --- | | **resultSet** | | | Description | Benchmark resultset. | | Multiplicity | Unspecified | | Type | Image2.png [BenchmarkResultSet](#oNB5cwqGAqACIid3) | | Direction | inout | | Java Detail | N/A | |
| Description | Returns a Benchmark node. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Return Type Description | Benchmark node. |
| Query | false |

|  |  |
| --- | --- |
| **public getBenchmarkResultNode (result : es.uma.pfc.is.bench.domain.BenchmarkResult) : TreeResultModel** | |
| Parameters | |  |  | | --- | --- | | **result** | | | Multiplicity | Unspecified | | Type | es.uma.pfc.is.bench.domain.BenchmarkResult | | Direction | inout | | Java Detail | N/A | |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getAlgorithmResultNode (result : AlgorithmResult) : TreeResultModel** | |
| Parameters | |  |  | | --- | --- | | **result** | | | Multiplicity | Unspecified | | Type | Image2.png [AlgorithmResult](#7IlEkwqGAqACIUcO) | | Direction | inout | | Java Detail | N/A | |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Query | false |

### Image2.png BenchmarkResultSet

|  |  |
| --- | --- |
| **Name** | **Value** |
| Description | Colleciton of benchmark results. |
| Active | false |
| Business Key Mutable | true |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private name : String** | | | |
| Description | Benchmark name. | | |
| Stereotypes | Property | | |
| Type | Image3.png String | | |
| Allow Empty Name | false | | |
| Getter | true | Setter | true |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private results : BenchmarkResult** | | | |
| Description | Benchmark results. | | |
| Stereotypes | Property | | |
| Type | Image2.png BenchmarkResult | | |
| Allow Empty Name | false | | |
| Getter | true | Setter | true |
| Derived | false | | |
| Multiplicity | \* | | |
| Java Detail | N/A | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |

#### Operations

|  |  |
| --- | --- |
| **public BenchmarkResultSet ()** | |
| Description | Constructor. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Query | false |

### Image2.png ResultsController

|  |  |
| --- | --- |
| **Name** | **Value** |
| Description | Results view controller. |
| Active | false |
| Business Key Mutable | true |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private rootPane : javafx.scene.layout.AnchorPane** | | | |
| Type | javafx.scene.layout.AnchorPane | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private statsTiltedPane : javafx.scene.control.TitledPane** | | | |
| Type | javafx.scene.control.TitledPane | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private tableResults : javafx.scene.control.TreeTableView** | | | |
| Template Type Bind Info | N/A | | |
| Type | javafx.scene.control.TreeTableView | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private tableStatistics : javafx.scene.control.TableView** | | | |
| Type | javafx.scene.control.TableView | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private nameColumn : javafx.scene.control.TreeTableColumn** | | | |
| Type | javafx.scene.control.TreeTableColumn | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private timeColumn : javafx.scene.control.TreeTableColumn** | | | |
| Type | javafx.scene.control.TreeTableColumn | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private inputColumn : javafx.scene.control.TreeTableColumn** | | | |
| Type | javafx.scene.control.TreeTableColumn | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private outputColumn : javafx.scene.control.TreeTableColumn** | | | |
| Type | javafx.scene.control.TreeTableColumn | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private model : ResultsModel** | | | |
| Description | Results view model. | | |
| Type | Image2.png [ResultsModel](#RVvpcwqGAqACIiLq) | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |

#### Operations

|  |  |
| --- | --- |
| **public initialize (url : java.net.URL, rb : java.util.ResourceBundle) : void** | |
| Parameters | |  |  | | --- | --- | | **url** | | | Description | URL of the view. | | Multiplicity | Unspecified | | Type | java.net.URL | | Direction | inout | | Java Detail | N/A |  |  |  | | --- | --- | | **rb** | | | Description | Resource bundle. | | Multiplicity | Unspecified | | Type | java.util.ResourceBundle | | Direction | inout | | Java Detail | N/A | |
| Description | Initializes the view. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **protected initView () : void** | |
| Description | Initializes the results table. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Return Type Description | @throws IOException |
| Query | false |

|  |  |
| --- | --- |
| **protected initModel () : void** | |
| Description | Initializes the model. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **protected initListeners () : void** | |
| Description | Initializes the listners. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **protected modelToView () : void** | |
| Description | Loads the model data into the results table. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **protected getRootPane () : javafx.scene.layout.Pane** | |
| Description | Root pane. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Return Type Description | Pane. |
| Query | false |

|  |  |
| --- | --- |
| **protected reload () : void** | |
| Description | Reloads the view and the model. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **protected clear () : void** | |
| Description | Clear the tables. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **protected showStatistics (statisticsFile : String) : void** | |
| Parameters | |  |  | | --- | --- | | **statisticsFile** | | | Description | Statistics file path. | | Multiplicity | Unspecified | | Type | Image3.png String | | Direction | inout | | Java Detail | N/A | |
| Description | Shows the result statistics into a table. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public handleNewResult (event : NewResultsEvent) : void** | |
| Parameters | |  |  | | --- | --- | | **event** | | | Description | Event. | | Multiplicity | Unspecified | | Type | Image2.png NewResultsEvent | | Direction | inout | | Java Detail | N/A | |
| Description | Handles the NewResultsEvent published by Eventbus and reload the view and the model. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Query | false |

### Image2.png ResultsPersistence

|  |  |
| --- | --- |
| **Name** | **Value** |
| Description | Class for the read and write results to/from files. |
| Active | false |
| Business Key Mutable | true |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private me : ResultsPersistence** | | | |
| Description | Single instance. | | |
| Type | Image2.png [ResultsPersistence](#8ODZcwqGAqACIibl) | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |

#### Operations

|  |  |
| --- | --- |
| **private ResultsPersistence ()** | |
| Description | Constructor. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public get () : ResultsPersistence** | |
| Description | Gets a single instance of ResultsPersistence. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Return Type Description | ResultsPersistence. |
| Query | false |

|  |  |
| --- | --- |
| **public save (result : es.uma.pfc.is.bench.domain.BenchmarkResult, path : String) : void** | |
| Parameters | |  |  | | --- | --- | | **result** | | | Description | Benchmark result to save. | | Multiplicity | Unspecified | | Type | es.uma.pfc.is.bench.domain.BenchmarkResult | | Direction | inout | | Java Detail | N/A |  |  |  | | --- | --- | | **path** | | | Description | results.xml dir path. | | Multiplicity | Unspecified | | Type | Image3.png String | | Direction | inout | | Java Detail | N/A | |
| Description | Saves a benchmark result to the path. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getResults (benchmark : Benchmark) : BenchmarkResultSet** | |
| Parameters | |  |  | | --- | --- | | **benchmark** | | | Description | Benchmark. | | Multiplicity | Unspecified | | Type | Image2.png Benchmark | | Direction | inout | | Java Detail | N/A | |
| Description | Returns a benchmark's saved results. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Return Type Description | Benchmark's saved results.{@code null} if the results not exists. |
| Query | false |

### Image2.png ResultsBean

|  |  |
| --- | --- |
| **Name** | **Value** |
| Description | Results bean. |
| Active | false |
| Business Key Mutable | true |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private benchPersistence : BenchmarksPersistence** | | | |
| Description | Benchmarks persistence. | | |
| Type | Image2.png [BenchmarksPersistence](#LMsjQ_KGAqACJA7g) | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **private resultsPersistence : ResultsPersistence** | | | |
| Description | Results persistence. | | |
| Type | Image2.png [ResultsPersistence](#8ODZcwqGAqACIibl) | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |

#### Operations

|  |  |
| --- | --- |
| **public ResultsBean ()** | |
| Description | Constructor. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public save (result : es.uma.pfc.is.bench.domain.BenchmarkResult, path : String) : void** | |
| Parameters | |  |  | | --- | --- | | **result** | | | Description | Benchmark result. | | Multiplicity | Unspecified | | Type | es.uma.pfc.is.bench.domain.BenchmarkResult | | Direction | inout | | Java Detail | N/A |  |  |  | | --- | --- | | **path** | | | Description | Directory of results.xml. | | Multiplicity | Unspecified | | Type | Image3.png String | | Direction | inout | | Java Detail | N/A | |
| Description | Saves a benchmark result in results.xml file. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getAllResults (path : String) : java.util.List** | |
| Parameters | |  |  | | --- | --- | | **path** | | | Multiplicity | Unspecified | | Type | Image3.png String | | Direction | inout | | Java Detail | N/A | |
| Description | Returns all saved results of the registered benchmarks in the path. |
| Leaf | false |
| Upper | 1 |
| Template Type Bind Info | N/A |
| Ordered | false |
| Unique | true |
| Return Type Description | Results saved. |
| Query | false |

### Image2.png Results.fxml

|  |  |
| --- | --- |
| **Name** | **Value** |
| Active | false |
| Business Key Mutable | true |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Stereotypes | viewpoint |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **public tableResults : TreeTableView** | | | |
| Template Type Bind Info | N/A | | |
| Type | TreeTableView | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | 1 | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **public tableStatistics : TableView** | | | |
| Type | TableView | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | 1 | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **public nameColumn : javafx.scene.control.TreeTableColumn** | | | |
| Type | javafx.scene.control.TreeTableColumn | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | 1 | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **public timeColumn : javafx.scene.control.TreeTableColumn** | | | |
| Type | javafx.scene.control.TreeTableColumn | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | 1 | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **public inputColumn : javafx.scene.control.TreeTableColumn** | | | |
| Type | javafx.scene.control.TreeTableColumn | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | 1 | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **public outputColumn : javafx.scene.control.TreeTableColumn** | | | |
| Type | javafx.scene.control.TreeTableColumn | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | 1 | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |

#### Tagged Values

|  |  |
| --- | --- |
| **Stakeholders** | |
| Description | The set of stakeholders. |
| Type | Text |
| Multiplicity | Unspecified |
| Tag Definition | Stakeholders |
| Tag Definition Stereotype | Image4.png viewpoint |

|  |  |
| --- | --- |
| **Purpose** | |
| Description | The purpose addresses the stakeholder concerns. |
| Type | Text |
| Multiplicity | Unspecified |
| Tag Definition | Purpose |
| Tag Definition Stereotype | Image4.png viewpoint |

|  |  |
| --- | --- |
| **Concerns** | |
| Description | The interest of the stakeholders. |
| Type | Text |
| Multiplicity | Unspecified |
| Tag Definition | Concerns |
| Tag Definition Stereotype | Image4.png viewpoint |

|  |  |
| --- | --- |
| **Languages** | |
| Description | The languages used to construct the viewpoint. |
| Type | Text |
| Multiplicity | Unspecified |
| Tag Definition | Languages |
| Tag Definition Stereotype | Image4.png viewpoint |

|  |  |
| --- | --- |
| **Methods** | |
| Description | The methods used to construct the views for this viewpoint. |
| Type | Text |
| Multiplicity | Unspecified |
| Tag Definition | Methods |
| Tag Definition Stereotype | Image4.png viewpoint |

### Image2.png BenchmarksPersistence

|  |  |
| --- | --- |
| **Name** | **Value** |
| Description | Persist the benchmarks into an XML file entities using JAXB. |
| Transit To | Image5.png benchmarksPersistence |
| Active | false |
| Business Key Mutable | true |
| Java Detail | N/A |
| Business Model | false |
| Visibility | public |
| Leaf | false |
| Root | false |
| Stereotypes | Singleton |

#### Attributes

|  |  |  |  |
| --- | --- | --- | --- |
| **private me : BenchmarksPersistence** | | | |
| Description | Single instance. | | |
| Type | Image2.png [BenchmarksPersistence](#LMsjQ_KGAqACJA7g) | | |
| Allow Empty Name | false | | |
| Getter | false | Setter | false |
| Derived | false | | |
| Multiplicity | Unspecified | | |
| Java Detail | N/A | | |
| Aggregation | None | | |
| Derived Union | false | | |
| Read Only | false | | |
| Is ID | false | | |
| Leaf | false | | |

#### Operations

|  |  |
| --- | --- |
| **public update (benchmark : Benchmark) : void** | |
| Parameters | |  |  | | --- | --- | | **benchmark** | | | Description | Algorithms. | | Multiplicity | Unspecified | | Type | Image2.png Benchmark | | Direction | inout | | Java Detail | N/A | |
| Description | Initialize the benchmarks file with benchmarks param. |
| Transit To | Image6.png N/A (benchmarksBean -> benchmarksPersistence) |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public getBenchmarks (workspacePath : String) : Benchmarks** | |
| Parameters | |  |  | | --- | --- | | **workspacePath** | | | Multiplicity | Unspecified | | Type | Image3.png String | | Direction | inout | | Java Detail | N/A | |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public insert (algorithms : Algorithms) : void** | |
| Parameters | |  |  | | --- | --- | | **algorithms** | | | Multiplicity | Unspecified | | Type | Image2.png Algorithms | | Direction | inout | | Java Detail | N/A | |
| Description | Add the algorithms of algorithms param to algorithms file. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **private BenchmarksPersistence ()** | |
| Description | Constructor. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Query | false |

|  |  |
| --- | --- |
| **public get () : BenchmarksPersistence** | |
| Description | Get a single instance of BenchmarksPersistence. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Return Type Description | BenchmarksPersistence. |
| Query | false |

|  |  |
| --- | --- |
| **public insert (algorithm : AlgorithmInfo) : void** | |
| Parameters | |  |  | | --- | --- | | **algorithm** | | | Description | Algorithm. | | Multiplicity | Unspecified | | Type | Image2.png AlgorithmInfo | | Direction | inout | | Java Detail | N/A | |
| Description | Add an algorithm to algorithms file. |
| Leaf | false |
| Upper | 1 |
| Ordered | false |
| Unique | true |
| Query | false |