

The diagram illustrates the hierarchical structure of a Java project, showing the relationships between various classes and packages. The root package is `org.aksw.agdistis.util`, which branches into three main components: `TripleIndexCreatorContext`, `TripleIndexCreator`, and `TripleIndexContext`.

- TripleIndexCreatorContext** contains:
 - `createIndex` (sub-package `org.sif4j:sif4j-api`)
 - `getFromIndex` (sub-package `org.sif4j:sif4j-api`)
 - `indexTTLFile` (sub-package `org.sif4j:sif4j-api`)
 - `main` (sub-package `org.sif4j:sif4j-api`)
 - `updateIndex` (sub-package `org.sif4j:sif4j-api`)
 - `search` (sub-package `org.sif4j:sif4j-api`)
 - `close` (sub-package `org.sif4j:sif4j-api`)
 - `sparql` (sub-package `org.sif4j:sif4j-api`)
- TripleIndexCreator** contains:
 - `createIndex` (sub-package `org.sif4j:sif4j-api`)
 - `addDocumentToIndex` (sub-package `org.sif4j:sif4j-api`)
 - `indexTTLFile` (sub-package `org.sif4j:sif4j-api`)
 - `indexTSVFile` (sub-package `org.sif4j:sif4j-api`)
 - `close` (sub-package `org.sif4j:sif4j-api`)
 - `main` (sub-package `org.sif4j:sif4j-api`)
- TripleIndexContext** contains:
 - `search` (sub-package `org.sif4j:sif4j-api`)
 - `getFromIndex` (sub-package `org.sif4j:sif4j-api`)
 - `close` (sub-package `org.sif4j:sif4j-api`)
 - `getreader` (sub-package `org.sif4j:sif4j-api`)
- Triple** (a central package) contains:
 - `compareTo` (sub-package `org.sif4j:sif4j-api`)
 - `getObject` (sub-package `org.sif4j:sif4j-api`)
 - `getPredicate` (sub-package `org.sif4j:sif4j-api`)
 - `getSubject` (sub-package `org.sif4j:sif4j-api`)
 - `setObject` (sub-package `org.sif4j:sif4j-api`)
 - `setSubject` (sub-package `org.sif4j:sif4j-api`)
 - `toString` (sub-package `org.sif4j:sif4j-api`)
- Stemming** contains:
 - `stemming` (sub-package `org.sif4j:sif4j-api`)
 - `main` (sub-package `org.sif4j:sif4j-api`)
- NIFParser** contains:
 - `createTextWithMentions` (sub-package `org.sif4j:sif4j-api`)
- Word2num** contains:
 - `main` (sub-package `org.sif4j:sif4j-api`)
 - `replaceNumbers` (sub-package `org.sif4j:sif4j-api`)
- PreprocessingNLP** contains:
 - `Preprocessing` (sub-package `org.sif4j:sif4j-api`)
- Utils** contains:
 - `convertIntegers` (sub-package `org.sif4j:sif4j-api`)

The diagram illustrates the relationships between six classes: **NamedEntityInText**, **Label**, **Document**, **Candidate**, **NamedEntitiesInText**, and **DocumentText**. Each class is represented by a box containing its methods and their return types.

- NamedEntityInText**:
 - (none)
 - equals (none)
 - getLabel (none)
 - getType (none)
 - hashCode (none)
 - setDomain (none)
 - clone (none)
 - extractLabel (none)
 - getNamedEntityList (none)
 - setLength (none)
 - setStartPosition (none)
 - setType (none)
 - compareTo (none)
 - getDomain (none)
 - getLengthInWordsLabel (none)
 - setNamedEntity (none)
 - toString
- Label**:
 - (none)
 - getCandidates (none)
 - getLabel (none)
 - getMarkedUpLabel ()
 - setLabel (none)
 - setLabelId (none)
 - setCandidates ()
 - setStart ()
 - toString (none)
 - setEnd ()
 - setTextHasLabelId ()
- Document**:
 - (none)
 - DocumentText (none)
 - getNamedEntityList (none)
 - addText (none)
 - equals (none)
 - getNamedEntityList (none)
 - compareTo (none)
 - setDocumentId (none)
 - toString (none)
- Candidate**:
 - (none)
 - equals (none)
 - getLabel (none)
 - hashCode (none)
 - setId (none)
 - setLabel (none)
 - compareTo (none)
 - getDescription (none)
 - getUrl (none)
 - setDescription (none)
 - setUrl (none)
 - toString (none)
- NamedEntitiesInText**:
 - (none)
 - getNamedEntities (none)
 - iterator (none)
 - setNamedEntities (none)
 - getValue (none)
 - toString
- DocumentText**:
 - (none)
 - getText (none)
 - getValue (none)
 - equals (none)
 - parseValue (none)
 - setText (none)

org.aksu.agdistis.model

```

classDiagram
    class NamedEntity {
        .
        compareTo
        equals
        hashCode
        getNameEntity
        getDisambiguatedURL
        getOffset
        getStart
        setType
        toString
        setNameEntity
    }
    class AgdistisEntity {
        .
        compareTo
        equals
        getNameEntity
        getDisambiguatedURL
        setDisambiguatedURL
        setNamedEntity
        setOffset
        setStart
        setEnd
        hashCode
        toString
    }
    class FrontendContent {
        .
        equals
        getEntities
        getText
        hashCode
        setEntities
        setText
        toString
    }
    class Result {
        .
        equals
        getDetectedLanguage
        getNamedEntities
        hashCode
        setDetectedLanguage
        setNamedEntities
        toString
    }
    class CandidatesScore {
        .
        compareTo
        getUri
        setScore
        setStart
        setUri
        toString
    }
    
```

The diagram illustrates the structure of the `org.aksu.agdistis.model` package, showing five classes and their methods:

- NamedEntity**
 - Attributes: `.none`
 - Methods: `getNameEntity`, `getDisambiguatedURL`, `getOffset`, `getStart`, `setType`, `toString`, `setNameEntity`
- AgdistisEntity**
 - Attributes: `.none`
 - Methods: `compareTo`, `equals`, `getNameEntity`, `getDisambiguatedURL`, `setDisambiguatedURL`, `setNamedEntity`, `setOffset`, `setStart`, `setEnd`, `hashCode`, `toString`
- FrontendContent**
 - Attributes: `.none`
 - Methods: `equals`, `getEntities`, `getText`, `hashCode`, `setEntities`, `setText`, `toString`
- Result**
 - Attributes: `.none`
 - Methods: `equals`, `getDetectedLanguage`, `getNamedEntities`, `hashCode`, `setDetectedLanguage`, `setNamedEntities`, `toString`
- CandidatesScore**
 - Attributes: `.none`
 - Methods: `compareTo`, `getUri`, `setScore`, `setStart`, `setUri`, `toString`

The diagram illustrates the layout of the TripleIndexTest suite, organized into a grid of test categories. Each category is represented by a box containing its name and a visual representation of its internal structure, often showing nested boxes or specific field names like 'junit:junit' or 'org.slf4j:slf4j-api'.

TripleIndexTest

- testSurfaceFormsDisance
 - org.slf4j:slf4j-api
 - junit:junit
- init
 - junit:junit
 - org.slf4j:slf4j-api
- testMultipleTermsPerField
 - org.slf4j:slf4j-api
 - junit:junit
- testRedirects
 - org.slf4j:slf4j-api
 - junit:junit
- testSurfaceForm
 - org.slf4j:slf4j-api
 - junit:junit
- close
 - junit:junit
 - org.slf4j:slf4j-api
- testDisambiguation
 - org.slf4j:slf4j-api
 - junit:junit
- testRdfsLabel
 - junit:junit
 - org.slf4j:slf4j-api
- testType
 - junit:junit
 - org.slf4j:slf4j-api
- testdirectLink
 - org.slf4j:slf4j-api
 - junit:junit

TripleIndexCreatorTest

- close
 - junit:junit
 - org.slf4j:slf4j-api
- init
 - org.slf4j:slf4j-api
 - junit:junit
- testMinimalOntologyExample
 - testMinimalOntologyExample
 - junit:junit

PageRankTest

- oneGetsMost
 - test if pageRank is web model
 - junit:junit
- soEqual
 - junit:junit
 - test if pageRank is graph model
- soEqualByRandomWalker
 - junit:junit
 - test if pageRank is graph model

AGDISTISTest

- testContext
 - context
- testUmlaute
 - umlaute
- testMinimalExample
 - context
- testMinimalPunctuation
 - context

HitsTest

- testSimpleHITS

The diagram illustrates the architecture of the CandidateUtil class and its interactions with other classes. The architecture is organized into three main sections: CandidateUtil, NEDAlgo_HITS, and CorporationAffixCleaner.

CandidateUtil Section:

- checkLabelCandidates:** A yellow box containing the text "net.sf.jung.graph.impl" and "org.slf4j:slf4j-api".
- addNodeToGraph:** A light blue box containing "org.slf4j:slf4j-api" and a yellow box containing "org.slf4j:slf4j-api".
- getIndex:** A green box containing "none".
- getRuleContext:** A green box containing "none".
- heuristicExpansion:** A light blue box containing "org.slf4j:slf4j-api".
- addCandidateToContext:** A green box containing "none".
- insertCandidatesIntoText:** A light blue box containing "org.slf4j:slf4j-api" and a yellow box containing "org.slf4j:slf4j-api".
- searchAcronymByLabel:** A green box containing "none".
- searchAcronymByContext:** A green box containing "none".
- searchByAcronym:** A green box containing "name" and "org.slf4j:slf4j-api".
- setIndex:** A green box containing "org.slf4j:slf4j-api".
- searchByConnections:** A green box containing "name".
- setNodeType:** A green box containing "name".
- close:** A green box containing "name".

NEDAlgo_HITS Section:

- run:** A yellow box containing "org.slf4j:slf4j-api".
- getEdgeType:** A green box containing "none".
- getNodeType:** A green box containing "none".
- setEdgeType:** A green box containing "none".
- setHeuristicExpansionOn:** A green box containing "none".
- setMaxDepth:** A green box containing "none".
- setNodeType:** A green box containing "none".
- setIndex:** A green box containing "none".
- close:** A green box containing "name".

CorporationAffixCleaner Section:

- run:** A yellow box containing "name".
- setHeuristicExpansionOn:** A green box containing "name".
- setMaxDepth:** A green box containing "name".
- setNodeType:** A green box containing "name".
- setIndex:** A green box containing "name".
- loadWhiteDomains:** A green box containing "name".
- compare:** A green box containing "name".

The screenshot displays the webapp interface for the Node class. The main area is a grid of green boxes representing the Node class and its methods. The methods are organized into rows and columns, with some methods having a 'none' value. The methods shown are:

- containsId
- equals
- getCandidateURI
- getId
- getLabels
- addId
- getPredecessors
- removeSuccessor
- setActivation
- setAuthorityWeight
- addPredecessor
- getSuccessors
- setAuthorityWeightOfCalculation
- setWeightOfCalculation
- setPageRank
- addSuccessor
- hashCode
- setCandidateURI
- setPageRankNew
- setDistanceOfCalculation
- compareTo
- removePredecessor
- setHubWeight
- setDistanceOfCalculation
- toString

Below the main grid, there are three additional sections:

- HITS**: Contains methods `runHits` and `run`.
- BreadthFirstSearch**: Contains methods `run` and `runPr`.
- PageRank**: Contains methods `runPr` and `run`.

The bottom of the screenshot shows the URL `org.akswebgdistis.webapp` and the text `GetDisambiguation`.