

LabelingMechanism

LabelingMechanismFactory

- labelingMechanismFactory : LabelingMechanismFactory

- LabelingMechanismFactory()
- getInstance() : LabelingMechanismFactory
+ getLabelingMechanismFactory() : LabelingMechanismFactory
+ getMechanism(String mechanismType) : LabelingMechanism



<<interface>>
LabelingMechanism

+ label(User, Instance, Label[]) : void

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RandomLabelingMechanism

- randomLabelingMechanism : RandomLabelingMechanism

- getInstance() : RandomLabelingMechanism
getRandomLabelingMechanism() : RandomLabelingMechanism
+ label(User users, Instance instance, Label[] labels) : void

Assignment

LabelAssignment

- instance : Instance
- labels : Label[]
- user : User
- datetime : Date

LabelAssignment(User,Instance, Label[])
+ Getters / Setters



LabelAssignmentManager

- labelAssignmentManager : LabelAssignmentManager

- LabelAssignmentManager()
- createInstance() : LabelAssignmentManager
+ getLabelAssignmentManager() : LabelAssignmentManager
+ createLabelAssignment(User,Instance, Label[]): LabelAssignment
+ addToDataset(LabelAssignment) : void
+ removeFromDataset(LabelAssignment) : void

JsonParser

- instance : JsonParser
- jsonParser : JsonParser

- JsonParser()
- readAllLines(String filename) : String
+ getJsonParser() : JsonParser
+ readDatasets(String[] filenames) : ArrayList<Dataset>
+ readUsers(String filename) : ArrayList<User>
+ writeDatasetsWithUsers(String[] filenames,ArrayList<Dataset>, ArrayList<User>) : void



User

- id: int
- name: String
- type: String
- mechanism: LabelingMechanism

+ User(id,name,type)
+ User(id,name,type,mechanism)
+ labelWithMechanism(Instance instance, Label[] label) : void
+ Getters / Setters

Dataset

- id: int
- name: String
- instanceType : String
- maxNumberOfLabelsPerInstance : int
- labels : ArrayList<Label>
- instances: ArrayList<Instance>
- labelAssignments : ArrayList<LabelAssignment>

+ Dataset(id,name,instanceType,maxNumberOfLabelsPerInstance,labels,instances) : void
+ Getters / Setters

Label

- id: int
- text : String
- dataset : Dataset

+ Label (id,text)
+ Getters / Setters

Instance

- id: int
- content : String
- dataset : Dataset
- subInstances: ArrayList<SubInstance>

+ Instance (id,content)
+ Getters / Setters

SubInstance

- content : String
- instance : Instance
- dataset : Dataset

+ SubInstance (content,instance)
+ Getters / Setters

Model

labelAssignments

labels

instances

label

instance