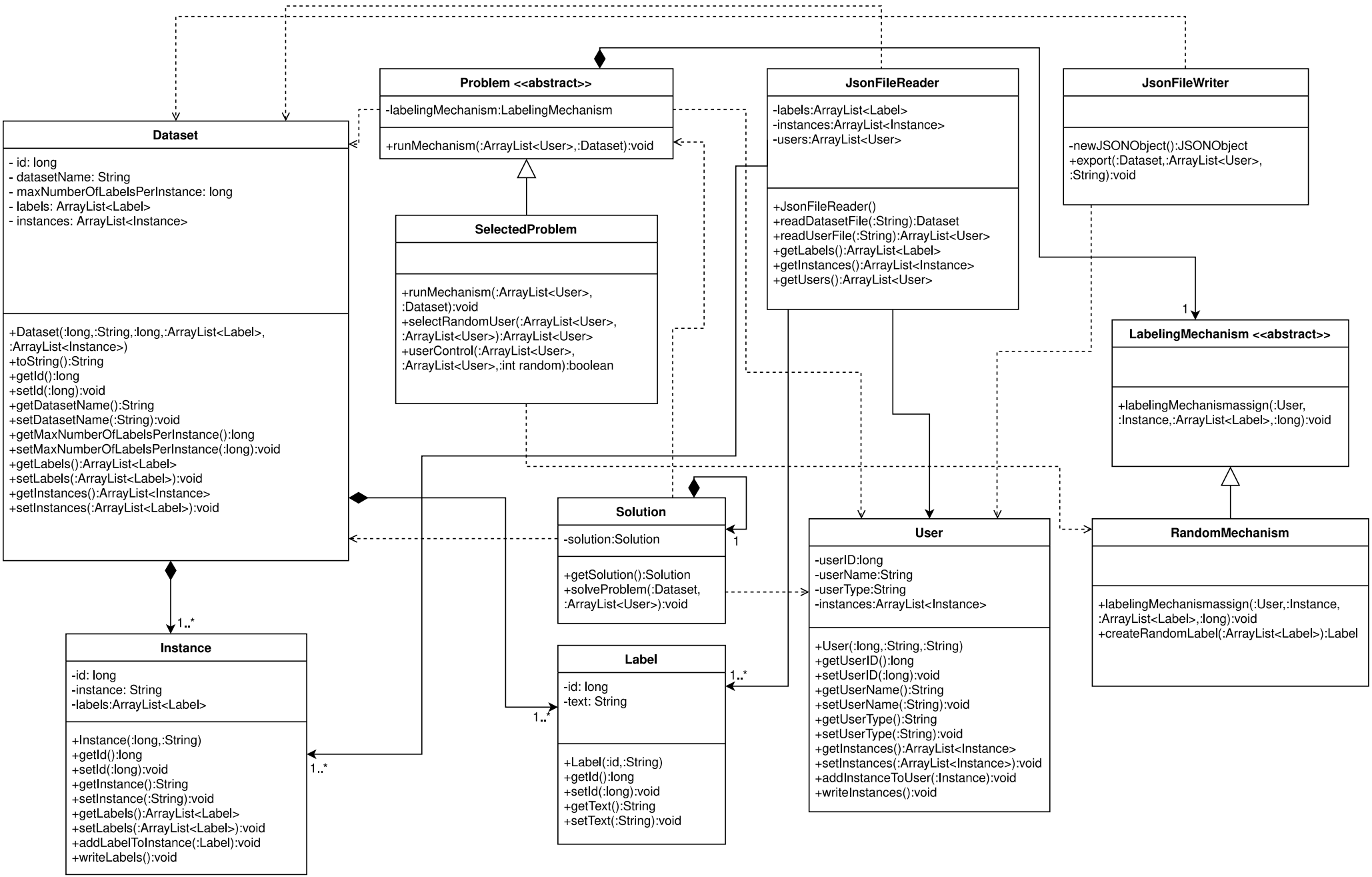
Problem <<abstract>>
-labelingMechanism:LabelingMechanism
+runMechanism(:ArrayList<User>,:Dataset):void
JsonFileReader
-labels:ArrayList<Label>
-instances:ArrayList<Instance>
-users:ArrayList<User>
+JsonFileReader()
+readDatasetFile(:String):Dataset
+readUserFile(:String):ArrayList<User>
+getLabels():ArrayList<Label>
+getInstances():ArrayList<Instance>
+getUsers():ArrayList<User>
JsonFileWriter
-newJSONObject():JSONObject
+export(:Dataset,:ArrayList<User>,
:String):void
Dataset
- id: long
- datasetName: String
- maxNumberOfLabelsPerInstance: long
- labels: ArrayList<Label>
- instances: ArrayList<Instance>
+Dataset(:long,:String,:long,:ArrayList<Label>,
:ArrayList<Instance>)
+toString():String
+getId():long
+setId(:long):void
+getDatasetName():String
+setDatasetName(:String):void
+getMaxNumberOfLabelsPerInstance():long
+setMaxNumberOfLabelsPerInstance(:long):void
+getLabels():ArrayList<Label>
+setLabels(:ArrayList<Label>):void
+getInstances():ArrayList<Instance>
+setInstances(:ArrayList<Label>):void
SelectedProblem
+runMechanism(:ArrayList<User>,
:Dataset):void
+selectRandomUser(:ArrayList<User>,
:ArrayList<User>):ArrayList<User>
+userControl(:ArrayList<User>,
:ArrayList<User>,:int random):boolean
1
LabelingMechanism <<abstract>>
+labelingMechanismassign(:User,
:Instance,:ArrayList<Label>,:long):void
Solution
-solution:Solution
+getSolution():Solution
+solveProblem(:Dataset,
:ArrayList<User>):void
1
User
-userID:long
-userName:String
-userType:String
-instances:ArrayList<Instance>
+User(:long,:String,:String)
+getUserID():long
+setUserID(:long):void
+getUserName():String
+setUserName(:String):void
+getUserType():String
+setUserType(:String):void
+getInstances():ArrayList<Instance>
+setInstances(:ArrayList<Instance>):void
+addInstanceToUser(:Instance):void
+writeInstances():void
RandomMechanism
+labelingMechanismassign(:User,:Instance,
:ArrayList<Label>,:long):void
+createRandomLabel(:ArrayList<Label>):Label
1..*
Instance
-id: long
-instance: String
-labels:ArrayList<Label>
+Instance(:long,:String)
+getId():long
+setId(:long):void
+getInstance():String
+setInstance(:String):void
+getLabels():ArrayList<Label>
+setLabels(:ArrayList<Label>):void
+addLabelToInstance(:Label):void
+writeLabels():void
1..*
Label
-id: long
-text: String
+Label(:id,:String)
+getId():long
+setId(:long):void
+getText():String
+setText(:String):void
1..*
1..*