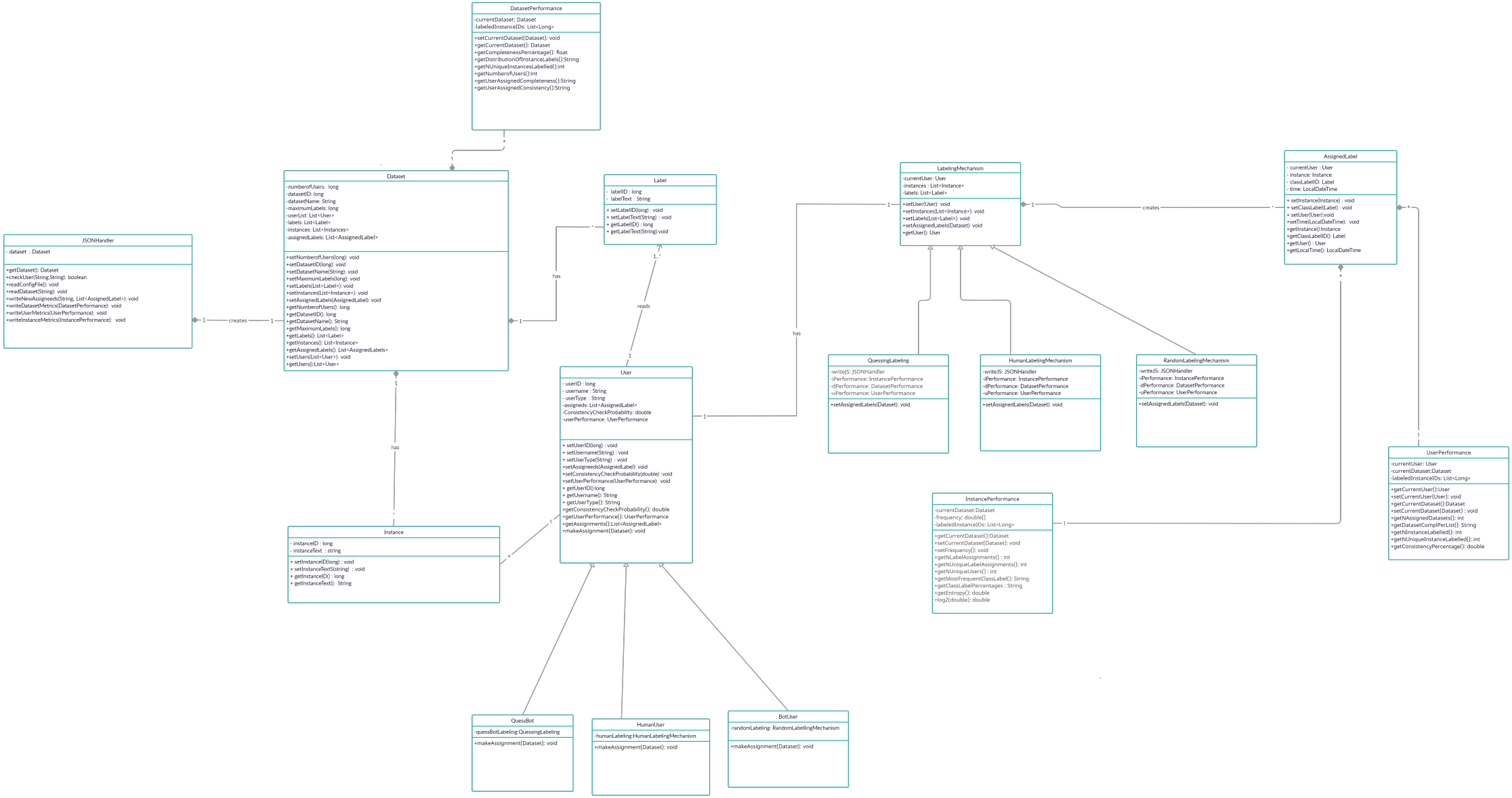
DatasetPerformance
-currentDataset: Dataset
-labeledInstanceIDs: List<Long>
+setCurrentDataset(Dataset): void
+getCurrentDataset(): Dataset
+getCompletenessPercentage(): float
+getDistributionOfInstanceLabels():String
+getNUniqueInstancesLabelled():int
+getNumberofUsers():int
+getUserAssignedCompleteness():String
+getUserAssignedConsistency():String
Dataset
-numberofUsers: long
-datasetID: long
-datasetName: String
-maximumLabels: long
-userList: List<User>
-labels: List<Label>
-instances: List<Instances>
-assignedLabels: List<AssignedLabel>
+setNumberofUsers(long): void
+setDatasetID(long): void
+setDatasetName(String): void
+setMaximumLabels(long): void
+setLabels(List<Label>): void
+setInstances(List<Instance>): void
+setAssignedLabels(AssignedLabel): void
+getNumberofUsers(): long
+getDatasetID(): long
+getDatasetName(): String
+getMaximumLabels(): long
+getLabels(): List<Label>
+getInstances(): List<Instance>
+getAssignedLabels(): List<AssignedLabels>
+setUsers(List<User>): void
+getUsers():List<User>
JSONHandler
- dataset : Dataset
+getDataset(): Dataset
+checkUser(String,String): boolean
+readConfigFile(): void
+readDataset(String): void
+writeNewAssigneeds(String, List<AssignedLabel>): void
+writeDatasetMetrics(DatasetPerformance): void
+writeUserMetrics(UserPerformance): void
+writeInstanceMetrics(InstancePerformance): void
creates
has
Label
- labelID : long
- labelText : String
+ setLabelID(long) : void
+ setLabelText(String) : void
+ getLabelID() : long
+ getLabelText(String):void
reads
User
- userID : long
- username : String
- userType : String
-assigneds: List<AssignedLabel>
-ConsistencyCheckProbability: double
-userPerformance: UserPerformance
+ setUserID(long) : void
+ setUsername(String) : void
+ setUserType(String) : void
+setAssigneeds(AssignedLabel): void
+setConsistencyCheckProbability(double) :void
+setUserPerformance(UserPerformance): void
+ getUserID():long
+ getUsername(): String
+ getUserType(): String
+getConsistencyCheckProbability(): double
+getUserPerformance(): UserPerformance
+getAssignments():List<AssignedLabel>
+makeAssignment(Dataset): void
Instance
- instanceID : long
- instanceText : string
+ setInstanceID(long) : void
+ setInstanceTextS(string) : void
+ getInstanceID() : long
+ getInstanceText(): String
QuessBot
-quessBotLabeling:QuessingLabeling
+makeAssignment(Dataset): void
HumanUser
-humanLabeling:HumanLabelingMechanism
+makeAssignment(Dataset): void
BotUser
-randomLabeling: RandomLabellingMechanism
+makeAssignment(Dataset): void
LabelingMechanism
-currentUser: User
-instances : List<Instance>
-labels: List<Label>
+setUser(User): void
+setInstances(List<Instance>): void
+setLabels(List<Label>): void
+setAssignedLabels(Dataset): void
+getUser(): User
QuessingLabeling
-writeJS: JSONHandler
-iPerformance: InstancePerformance
-dPerformance: DatasetPerformance
-uPerformance: UserPerformance
+setAssignedLabels(Dataset): void
HumanLabelingMechanism
-writeJS: JSONHandler
-iPerformance: InstancePerformance
-dPerformance: DatasetPerformance
-uPerformance: UserPerformance
+setAssignedLabels(Dataset): void
RandomLabelingMechanism
-writeJS: JSONHandler
-iPerformance: InstancePerformance
-dPerformance: DatasetPerformance
-uPerformance: UserPerformance
+setAssignedLabels(Dataset): void
AssignedLabel
- currentUser : User
- instance: Instance
- classLabelID: Label
- time: LocalDateTime
+ setInstance(Instance) : void
+ setClassLabel(Label) : void
+ setUser(User):void
+setTime(LocalDateTime): void
+getInstance():Instance
+getClassLabelID(): Label
+getUser() : User
+getLocalTime(): LocalDateTime
InstancePerformance
-currentDataset:Dataset
-frequency: double[]
-labeledInstanceIDs: List<Long>
+getCurrentDataset():Dataset
+setCurrentDataset(Dataset): void
+setFrequency(): void
+getNLabelAssignments() : int
+getNUniqueLabelAssignments(): int
+getNUniqueUsers() : int
+getMostFrequentClassLabel(): String
+getClassLabelPercentages : String
+getEntropy(): double
+log2(double): double
UserPerformance
-currentUser: User
-currentDataset:Dataset
-labeledInstanceIDs: List<Long>
+getCurrentUser():User
+setCurrentUser(User): void
+getCurrentDataset():Dataset
+setCurrentDataset(Dataset) : void
+getNAssignedDatasets(): int
+getDatasetCompliPerList(): String
+getNInstanceLabelled(): int
+getNUniqueInstanceLabelled(): int
+getConsistencyPercentage(): double