

LabelingMechanism <<abstract>>
- labelingMechanismType: String
+ labelInstanceWithUser(UserInfo, Instance, List<ClassLabel>)

RandomLabeling
+ RandomLabeling()
+ labelInstanceWithUser(UserInfo, Instance, List<ClassLabel>): void

ClassLabel
- labelID: int
- labelText: String
+ getLabelID(): int
+ getLabelText(): String
+ setLabelID(int): void
+ setLabelText(String): void

Instance
- id: int
- instance: String
- maxNumberOfLabel: int
- canLabeled: boolean
- userLabels: List<LabeledInstance>
+ addLabel(UserInfo, List < ClassLabel>): void
+ getID(): int
+ setID(int): void
+ getInstance(): String
+ setInstance(String): void
+ getMaxNumberOfLabel(): int
+ setMaxNumberOfLabel(int): void
+ isCanLabeled(): boolean
+ setCanLabeled(boolean): void
+ getUserLabels(): List<LabeledInstance>
+ setUserLabels(List<LabeledInstance>): void

LabeledInstance
- whoLabeled: UserInfo
- labels: List<ClassLabel>
- date: LocalDateTime
+ LabeledInstance(UserInfo, List<ClassLabel>, LocalDateTime)
+ getWhoLabeled(): UserInfo
+ setWhoLabeled(UserInfo): void
+ getLabels(): List<ClassLabel>
+ setLabels(List<ClassLabel>): void
+ getDate(): LocalDateTime
+ setDate(LocalDateTime): void

Dataset
+ setLabels(List<Label>): void
+ getInstances(): List<Instance>
+ setInstances(List<Instance>): void
+ getDatasetID(): int
+ getDatasetID(int): void
+ getDatasetName(): String
+ setDatasetName(String): void
+ getInstanceType(): String
+ setMaxNumberOfLabelsPerInstance(): int
+ setMaxNumberOfLabelsPerInstance(int): void
+ getLabels(): List<Label>
+ setLabels(List<Label>): void
+ getInstances(): List<Instance>
+ setInstances(List<Instance>): void

UserInfo
- userID: int
- username: String
- userType: String
- labeledInstances: List<LabeledInstance>
+ addLabeledInstance(LabeledInstance): void
+ getUserID(): int
+ setUserID(int): void
+ getUsername(): String
+ setUsername(String): void
+ getUserType(): String
+ setUserType(String): void

User
- userInfos: List<User>
+ getUsers(): List<User>
+ setUsers(List<User>): void