DESIGN CLASS DIAGRAM Label Instance Dataset - LabelID: int -0...*-- instanceID: int arListLab: ArrayList <Label> - labelText: String arListIns: ArrayList< Instance> - instanceText: String LOGGER: Logger assignedLabs: ArrayList<Label> datasetID: int - assignedDate: Date + Label (labelID: int, labelText: String) datasetName: String - datasetID: int maxNumLabsPerIns: int + getLabelID (): int + setLabelID(labelID: int): void - LOGGER: Logger + Instance(instanceID: int, instanceText: + getLabelText (): String String, datasetID: int) + Dataset (path: String) + setLabelText (labelText: String): void + getInstanceID (): int getJSONFile (path: String): JSONObject -0...*-+ setInstanceID (instanceID: int): void getLabels (jsonObject: JSONObject, + getInstanceText (): String arListLab: ArrayList<Label>): void + setInstanceText (instanceText: String): void getInstances (jsonObject: JSONObject, + getAssignedLabs (): ArrayList<Label> arListIns: ArrayList<Instances>): void + setAssignedLabs (assignedLabs: + getDatasetID (): int ArrayList<Label>): void + setDatasetID (datasetID: int): void -0...* + getAssignedDate (): Date + getDatasetName (): String RandomLabelling + setAssignedDate (assignedDate: Date): void + setDatasetName(datasetName: String): void + getDatasetID (): int + getMaxNumLabsPerIns (): int consistency: int + setDatasetID (datasetID: int): void + setMaxNumLabsPerIns (MaxNumLabsPerIns: int) : void - labelID: JsonArray + getArListLab (): ArrayList<Label> - LOGGER: Logger + getArListIns (): ArrayList<Instance> + getLabelID (): JsonArray 1...* + setLabelID (ar: JsonArray): void + RandomLabelling(user:User, ins: Instance, Confia assignedDate: Date, datasets: ArrayList <Dataset> dataset: Dataset, ccp: boolean) users: ArrayList <User> + getConsistency (): int cpp: double + setConsistency (consistency: int): void 1...* 0...* - LOGGER: Logger + calculateConsistency (before: ArrayList<Label>, after: ArrayList<Label>): int + Confia () User get|SONFile(path: String): JSONObject + qetDatasets (): ArrayList<Dataset> userID: int + getUsers (): ArrayList<User> userName:String + getCpp (): double -3...* userType: String + setCpp (cpp: double):void assignedIns: ArrayList<Instance> LOGGER: Logger **THREAD** + User (userID: int, userName: String, userType: Printer String) + getUserID ():int obj: JSONObject + setUserId (userID: int): void + lblAssignment: ArrayList< JSONObject> + getUserName (): String - LOGGER: Logger Starter + setUserName (userName: String): void - writeToConcole (): void + getUserType (): String + run (): void + run (): void + setUsertype (userType: String): void + writeToJsonFile (obj: JSONObject):void + getAssignedIns(): ArrayList<Instance>