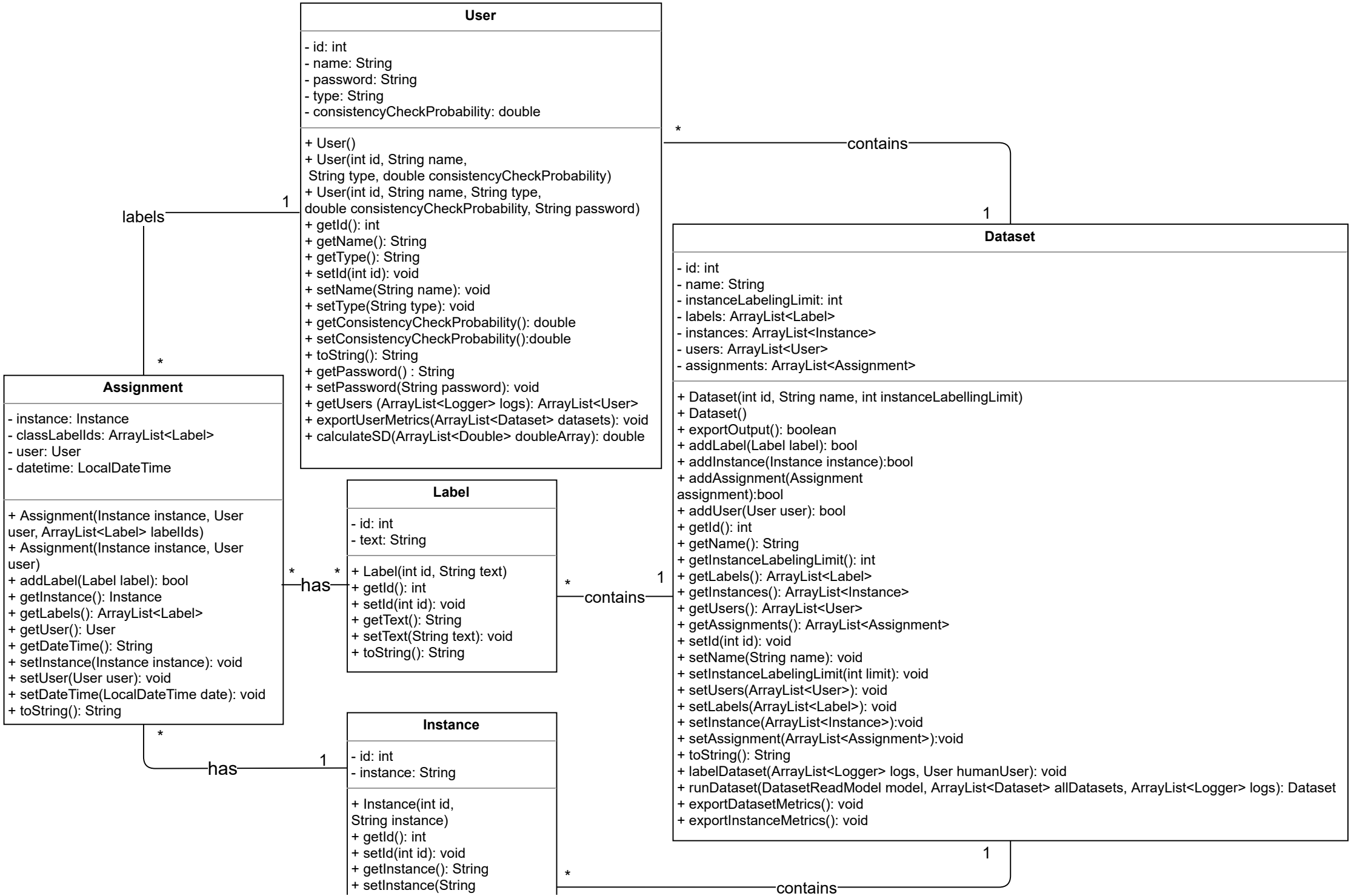
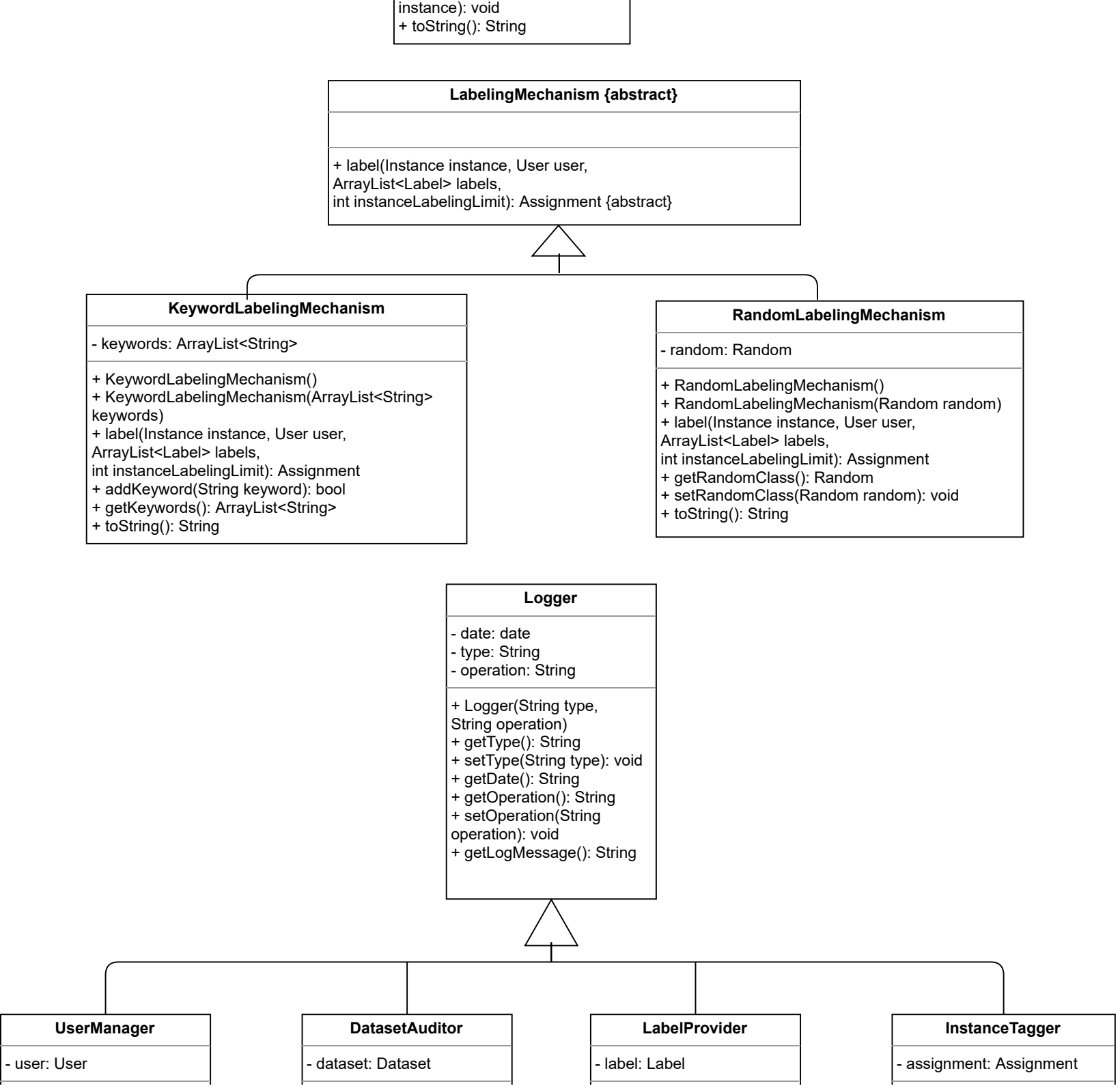
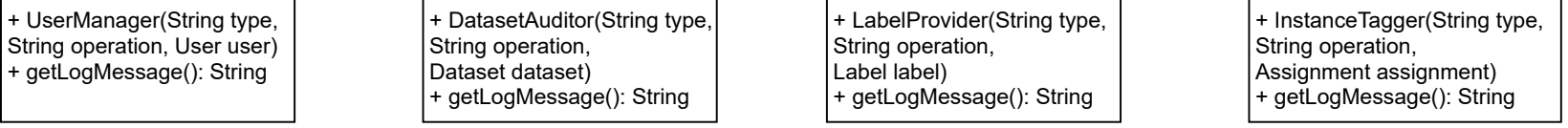
Design Class Diagram




instance): void
+ toString(): String
LabelingMechanism {abstract}
+ label(Instance instance, User user,
ArrayList<Label> labels,
int instanceLabelingLimit): Assignment {abstract}
KeywordLabelingMechanism
- keywords: ArrayList<String>
+ KeywordLabelingMechanism()
+ KeywordLabelingMechanism(ArrayList<String>
keywords)
+ label(Instance instance, User user,
ArrayList<Label> labels,
int instanceLabelingLimit): Assignment
+ addKeyword(String keyword): bool
+ getKeywords(): ArrayList<String>
+ toString(): String
RandomLabelingMechanism
- random: Random
+ RandomLabelingMechanism()
+ RandomLabelingMechanism(Random random)
+ label(Instance instance, User user,
ArrayList<Label> labels,
int instanceLabelingLimit): Assignment
+ getRandomClass(): Random
+ setRandomClass(Random random): void
+ toString(): String
Logger
- date: date
- type: String
- operation: String
+ Logger(String type,
String operation)
+ getType(): String
+ setType(String type): void
+ getDate(): String
+ getOperation(): String
+ setOperation(String
operation): void
+ getLogMessage(): String
UserManager
- user: User
DatasetAuditor
- dataset: Dataset
LabelProvider
- label: Label
InstanceTagger
- assignment: Assignment



DatasetReadModel

- id: Integer
- name: String
- filePath: String
- isCurrentDataset: boolean
- users: ArrayList<User>

+ DatasetReadModel(Integer id, String name,
String filePath, boolean isCurrentDataset,
ArrayList<User> users)
+ DatasetReadModel(Integer id, String name,
String filePath, boolean isCurrentDataset)
+ DatasetReadModel()
+ getId(): Integer
+ setId(Integer id): void
+ getName(): String
+ setName(String name): void
+ getFilePath(): String
+ setFilePath(String filePath): void
+ getCurrentDatasetStatus(): boolean
+ setCurrentDatasetStatus(boolean
isCurrentDataset): void
+ getUsers(): ArrayList<User>
+ addUser(User user): void
+ toString(): String
+getDatasets(ArrayList<User> users): ArrayList<DatasetReadModel>