

ExerciseSheet02

Until now, the creation of a new `Track` and a new `Artist` was somehow boring. You always had to instantiate the object and add information afterwards by using the setters.

In `ExerciseSheet02` you practice how to do all this in the same line using constructors. You will create several for the classes `Artist` and `Track`.

Additionally, one day, a manager of an `Artist` might ask you to store an `Event` for an `Artist`. So you implement another class `Event`, using provided classes for `Date` and `Venue` to support him. By implementing this class, you practice much more the concepts of getters and setters as well as the constructors.

Tasks

- Implement the constructors for the classes `Track` and `Artist`. (Constructors are marked with a small `c` above the green bulb in the class diagram and specified as such in the javadoc)
- Implement the class `Event` with all fields, constructors and methods.
 - The classes `Date` and `Venue` are provided. The documentation for fields and methods is available in the given javadoc.
 - Please import the classes `Date` and `Venue` to the package `MusicLandscape` and use them where necessary.
- (Optional, but recommended): Implement a class `DemoApp` with a main method. In the main method, create objects of the previously implemented classes and test all your constructors, getters, setters and other methods on your own by using values that are allowed as well as those that are not (according to the documentation).

For a detailed description of the fields and methods, please refer to the respective javadoc. Unzip the file `ES02_Javadoc.zip` and open `index.html`.

Information in javadoc

You are asked to implement everything listed for the classes `Track`, `Artist` and `Event`

Additionally, you find the documentation for the provided classes `Date` and `Venue`.

For methods, fields and classes, you find another headline “Introduced in:” which allows you to determine, which methods/fields are new in the actual `ExerciseSheet` and which were introduced in another `ExerciseSheet` before.

Tests

The following amount of tested methods should be shown in your testing overview:

classes	Methods
Artist	22
Track	9
Event	24
sum	55

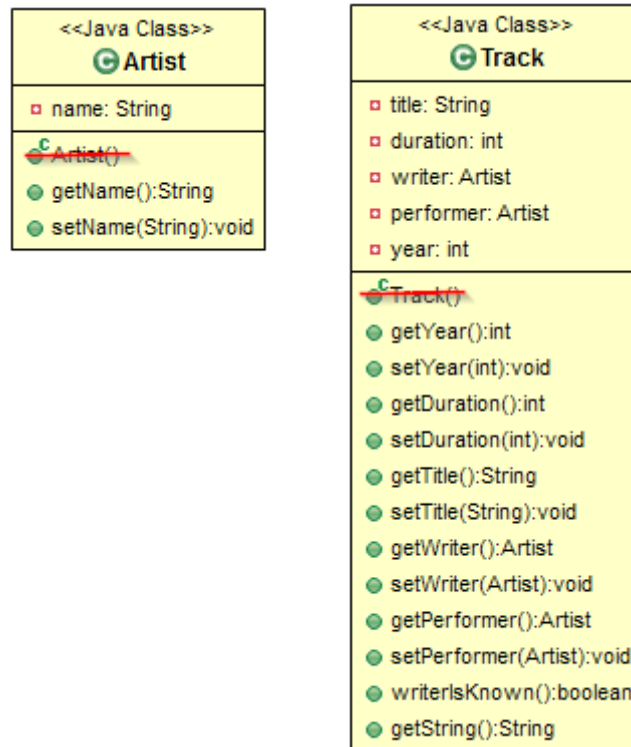


Figure 1: Classdiagram ES02

ATTENTION

- Make sure you have implemented all methods and fields with the predefined names!
- If you are not able to implement some of them because of the requirements, generate at least the methods themselves, else the tests won't compile and therefore the ExerciseSheet won't be graded.
- Never change the testfiles themselves.