

Exercises, SDJ1

Exercise: GradeList-XML (Version 1: Manually converting to XML)

Use the logic from the presentation about XML for a Song class. This time for a GradeList class.

- Create a GradeList with some Grades stored
- Define the XML structure including tag names
- Create a method to write XML “manually” with XML tags and text onto a txt file (extension .xml). Note that you need a loop adding each grade
- Create a method to read XML “manually” and return a GradeList. Again, you need a loop reading each grade before adding this grade to a GradeList

Exercise: GradeList-XML (Version 3: External jar)

Add XmlJsonParser-1.4.jar as an external jar (Global Library) to your module.

The jar file can be found here: <https://ict-engineering.dk/jar/XmlJsonParser-1.4.jar>

The documentation can be found here: <https://ict-engineering.dk/javadoc/XmlJsonParser/>

Call method `toXml` when creating an XML file from an object, and method `fromXml` when loading an XML file into an object.

Optional Exercise: GradeList-XML (Version 2: DOM parser)

Use the logic from the presentation about XML for a Song class using a DOM parser. This time for a GradeList class.

- Create a GradeList with some Grades stored
- Define the XML structure including tag names
- Create a method to write XML using a DOM parser. Note that you need a loop adding each grade to Elements
- Create a method to read XML using the DOM parser and return a GradeList. Again, you need a loop reading each grade before adding this grade to a GradeList