

Lab 6

Object output. Library dependencies

6.1 Maven

1. Create a new Maven project
2. Add the jsonadd exact name and version dependency
3. Store and read the application data using JSON format
4. Store and read the application data using the Java Object Stream format.
5. Compare the file sizes and time to load for the two formats.

6.2 Mid-Term Project

Some requirements are mandatory, without them your project will not make sense. Requirements marked with * after the points are optional, you can choose as many optional requirements as you want.

Starting points	0
Maximum points	10

1. **(2p)** Presentation skills. The project is not graded if not presented in class.
2. **(3p)** Create a diagram for your project which models the classes, interfaces and relationships between them. You **must** model at least 4 classes and 2 interfaces. You **must use** at least two collections (list, set, map, etc.).
3. **(1p)** Store and read your application data in files.
4. **(1p)*** Use configuration files and/or program arguments to start the program in different ways.

5. **(1p)*** Identify and handle at least 3 language Exceptions (FileNotFoundException, IOException, etc.) that apply to your project
6. **(1p)*** Create at least 2 custom Exception useful for your project.
7. **(1p)*** Validate input data from user before passing it through your program. All inputs must be validated.