Intro

The program allows to load classes from a file .class and from the jamp.jar.

There are two classes Semaphore.class and SemaphoreA.class.

Start new project in Eclipse as Maven project. Also Spring framework is used to instantiate the objects.

Description

View generates the input that is stored in ClassLoadData object. The Event is passed to the EventBus that is listened by Controller.

When the InputEvent is on the EventBus the Controller fires the update() method. This update-method starts FileClassLoader or JarClassLoader depending on the extension of the file passed to the program.

The requested method is called in Controller.

Console INPUT/output

To exit the program, please, type "exit".

Please, enter the classpath (example, logic/Semaphore.class):

**logic/Semaphore.class**

Please, enter the package name:

**logic**

Please, enter the class name:

**Semaphore**

Please, enter the name of the method to call:

**lever**

== loadClass(java.lang.Object)

== class logic.Semaphore loaded in cache

== loadClass(logic.Semaphore)

== loadClass(java.lang.System)

== loadClass(java.io.PrintStream)

**Semaphore | It works!**

Please, enter the classpath (example, logic/Semaphore.class):

**logic/SemaphoreA.class**

Please, enter the package name:

**logic**

Please, enter the class name:

**SemaphoreA**

Please, enter the name of the method to call:

**lever**

== loadClass(java.lang.Object)

== class logic.SemaphoreA loaded in cache

== loadClass(logic.SemaphoreA)

== loadClass(java.lang.System)

== loadClass(java.io.PrintStream)

**SemaphoreA | It works!**

Load from a .jar file

Please, enter the classpath (example, logic/Semaphore.class):

**data/jamp.jar**

Please, enter the package name:

**logic**

Please, enter the class name:

**Semaphore**

Please, enter the name of the method to call:

**lever**

== loadClass(java.lang.Object)

== class logic.Semaphore loaded in cache

== class logic.Observer loaded in cache

== class logic.SemaphoreA loaded in cache

== class logic.package-info loaded in cache

== loadClass(Semaphore)

== loadClass(java.lang.System)

== loadClass(java.io.PrintStream)

**Semaphore | It works!**

Please, enter the classpath (example, logic/Semaphore.class):

**data/jamp.jar**

Please, enter the package name:

**logic**

Please, enter the class name:

**SemaphoreA**

Please, enter the name of the method to call:

**lever**

== loadClass(java.lang.Object)

== class logic.Semaphore loaded in cache

== class logic.Observer loaded in cache

== class logic.SemaphoreA loaded in cache

== class logic.package-info loaded in cache

== loadClass(SemaphoreA)

== loadClass(java.lang.System)

== loadClass(java.io.PrintStream)

**SemaphoreA | It works!**