**What is this?**

It’s a toy implementation of a remote procedure call(RPC) in Java. Plenty of prepackage solutions( ex. JMS) exist, but have been avoided in order to expose and experiment with as much of the code as possible.

**Requirements**

We should allow a software engineer on one JVM to write some code like this:

Constructor(){

SystemModel.register(object self, uri targetURI);

}

meanwhile on either a separate or the same JVM, another piece of code is allowed to access a method on the registered object in an extremely simple manner:

targetObject=SystemModel.find(uri targetURI);

result = targetObject.callObjectMethod();

**Design-Class Diagram**

**Design-Threading model**

**Design-Interaction Diagram**