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simpA

**simpA** is a framework extending the basic Java environment with an agent-oriented abstraction layer for programming complex (concurrent in particular) applications.

simpA is based on the **A&A** (Agents and Artifacts) programming model, which introduces high-level metaphors taken from human society, namely **agents** - programmed to perform some kind of tasks and activities and **artifacts** as resources and tools that are dynamically constructed and used by agents to coordinate and execute their individual and collective activities. A&A gets its main inspiration from Activity Theory.

Being based on a library on top of Java, simpA applications can be compiled and run directly on a flat Java environment.

**simpA** technology is fully open-source, hosted on [SourceForge](https://sourceforge.net).