Software project 1

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For the first software project, I am going to use the Java programming language paired with the JADE framework.

JADE (Java Agent DEvelopment Framework) is a software framework to develop agent-based applications in compliance with the FIPA specifications for interoperable intelligent multi-agent systems. The goal is to simplify the development while ensuring standard compliance through a comprehensive set of system services and agents.

JADE can then be considered an agent middleware that implements an Agent Platform and a development framework. It deals with all those aspects that are not peculiar of the agent internals and that are independent of the applications, such as message transport, encoding and parsing, or agent life-cycle.

By creating a maven java project, JADE can be easily added as a dependency as follows:

<dependency>

<groupId>com.tilab.jade</groupId>

<artifactId>jade</artifactId>

<version>4.5.0</version>

</dependency>