User manual

1. Run the simulation by launching the JADE platform and starting the SimulationAgent with the command **jade.Boot** and argument **-gui simulation_agent:agents.SimulationAgent**.

2. Adjust the **simulation.xml** file to set up the simulation parameters. This file acts as the scenario engine and tells the SimulationAgent what agents to create and what behaviors to set up for them.

   a. The **<bookstore>** tag corresponds to one **SellerAgent** and one **ManagerAgent**. You can set the following parameters for a bookstore:

   b. **maxRejectedOrders**: This parameter sets how many orders to reject. For example, **maxRejectedOrders = 3** means that every third order will be rejected.

   c. **maxQuantity**: This parameter sets the maximum number of books that the bookstore can order/print at once. For example, **maxQuantity = 3** means that every order for more than 3 books will be rejected.

   d. **<book>** tag: Represents a book in the bookstore. The id of the book tells what book it is and what genre it belongs to. To determine the genre ID, divide the id by 100. The following genres are defined in the **model.Genre** class:

      - Fiction
      - Fantasy
      - Sci-Fi
      - Mystery
      - Horror

3. <customer> tag: Represents a ClientAgent, which sends orders using the <order> tags.

4. Run the simulation and observe the interactions between the agents.