Mini-project : Multi-agent systems

✓ **First part: Multi-Agent Negociation (1 seller- several buyers)**

In this part, you are asked to carry out the scenario of an auction between a seller and a set of buyers (min 2 buyers) using an MAS (Multi-Agent System).

The auction scenario is as follows:

1. The seller puts an item (Product) up for sale.

2. The seller asks for a price (Start or opening price of the auction).

3. Buyers offer to pay more than the asking price

4. The seller sends the highest price offered to buyers.

5. Steps 2 and 3 are repeated, until all buyers stop bidding, or the auction process time ends.

6. At the end of the auction process, if the last price offered is higher than a reserve price (known only to the seller), the item is sold to the winner.

✓ **Second part: Multi-criteria decision** and **modile agents (1 buyer– several sellers)**

Implement exercise 5 of SW4 with the condition that the buyer agent is a mobile agent and this in two cases inter-container migration and inter-platform migration.