

# BeerAgent

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July 14, 2020

## 1 Introduction

The BeerAgent is a solid agent that Attempts minimize the gain of other agents and capitalize on their strategic mistakes and bugs. it will thrive to minimize its risks of lossing value by avoiding the chance to have big deals with small margins.

## 2 The Design of MyAgent

The BeerAgent is designed after the decentralizing agent. It has a few key changes in strategy and is overall a better agent (according to ur tests). We have changed the utility function, acceptable prices, buy and sell quantities and some strategies.

### 2.1 Negotiation Choices

To really exploit strategic mistakes and bugs we decided:

1. When buying - the BeerAgent is willing to pay the minimal price of the item (its production cost)
2. When selling - the BeerAgent is asking for 10 times the average price.

So, in case other agents has strategic faults or bugs they will loose and the BeerAgent will gain significantly more then in a regular good transaction.

Also, since the score in the tournament penalizes for hoarding items The BeerAgent will try to avoid it by only buying a few items (1 + step) but sell all items that needs to be sold.



mistakes in them then the BeerAgent will mostly watch the trade, and take part only in a small percentage of it.