

# Agent Design Diagram

**Main**

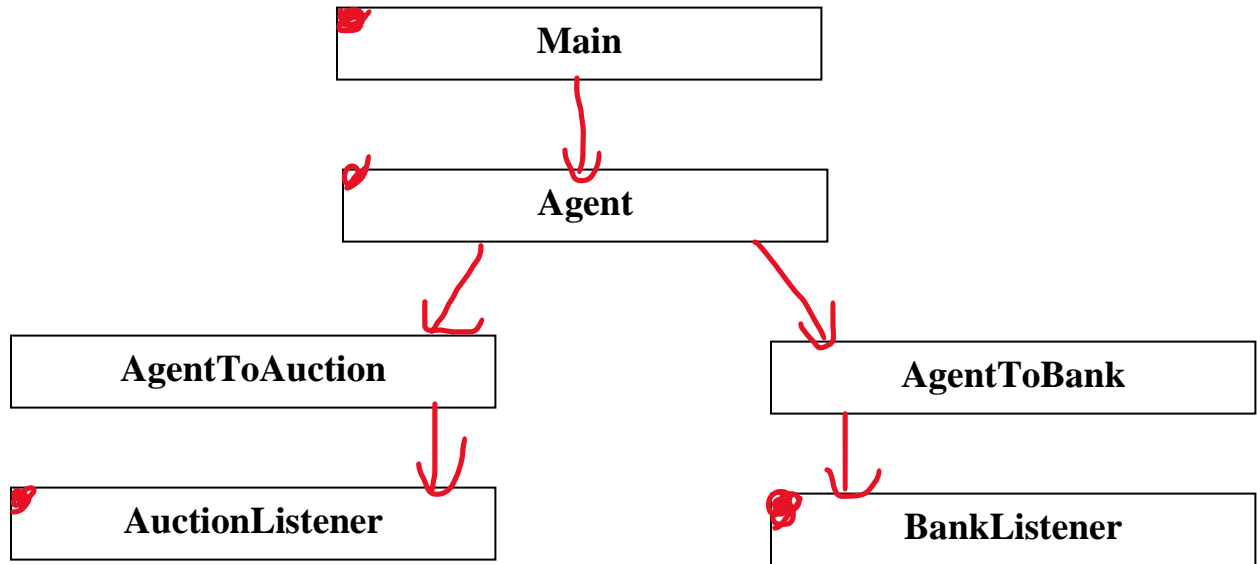
**Agent**

**AgentToAuction**

**AuctionListener**

**AgentToBank**

**BankListener**



## **Description**

Main – Initializes all the GUI display elements and the components responsible for the network connection. Pulls information from AgentToAuction and AgentToBank whenever it needs to update some element on the screen.

Agent – Handles connecting to the auction houses and the banks and communicates with the main GUI display with information about how it should be updated.

AgentToAuction – Encapsulates the communication between an agent and an auction house. Handles disconnections and updates from the auction house.

AuctionListener – Active object listening for messages from the auction house.

AgentToBank – Encapsulates the communication between the bank and the auction house.

BankListener – Active object listening for messages from the bank.