MESSAGES

Approval: Integer
Order Processor Agent →Customer Agent
The Order Processor Agent will check the schedule before accepting the customer order. If the schedule is open, the Order Processor Agent will give price as message. If the order is not feasible, the Order Processor Agent will return null. This message is only one order.

Order: String <customer_id;product_type;quantity;delivery_date;location>
Customer Agent →Order Processor Agent
The Customer Agent gives order by this format. If there are more than one product type, the customers need to make another order.

Inquiry_Schedule: String <customer_id;product_type;quantity;delivery_date;location>
Order Processor Agent →Schedule Holder
The Order Processor Agent acts as a receptionist and check the schedule of the bakery to the Schedule Holder Agent. Schedule Holder Agent will then estimate the time to start baking based on the input. This agent holds a rough schedule of each station agent (baking, packing, etc), which is whether the day is full or not (working hours is 8 hours).

Availability: Boolean
Schedule Holder →Order Processor
The Schedule Holder will return True if the order is possible and False if not.

Orders: String <product_type;quantity>
Schedule Holder →Storage
Schedule Holder will send the Storage Agent the list of orders that will be baked few days later. The Storage will then check its stock. If it is empty, it will buy them.

Order_Type: String <customer_id;product_type;quantity>
Baking Manager →Storage
When Baking Manager is ready to bake, the Baking Manager tell the Storage to gather the necessary ingredients.

Ingredients: String <customer_id;product_type;quantity>
Storage →Kneading Station
After requested by Kneading Station, Storage Agent will give the Kneading Station Agent a lump of ingredients to produce a product type in a specific amount.