MAAS - Assignment-02
Proposed Architecture for
Flying Saucers Bakery Project

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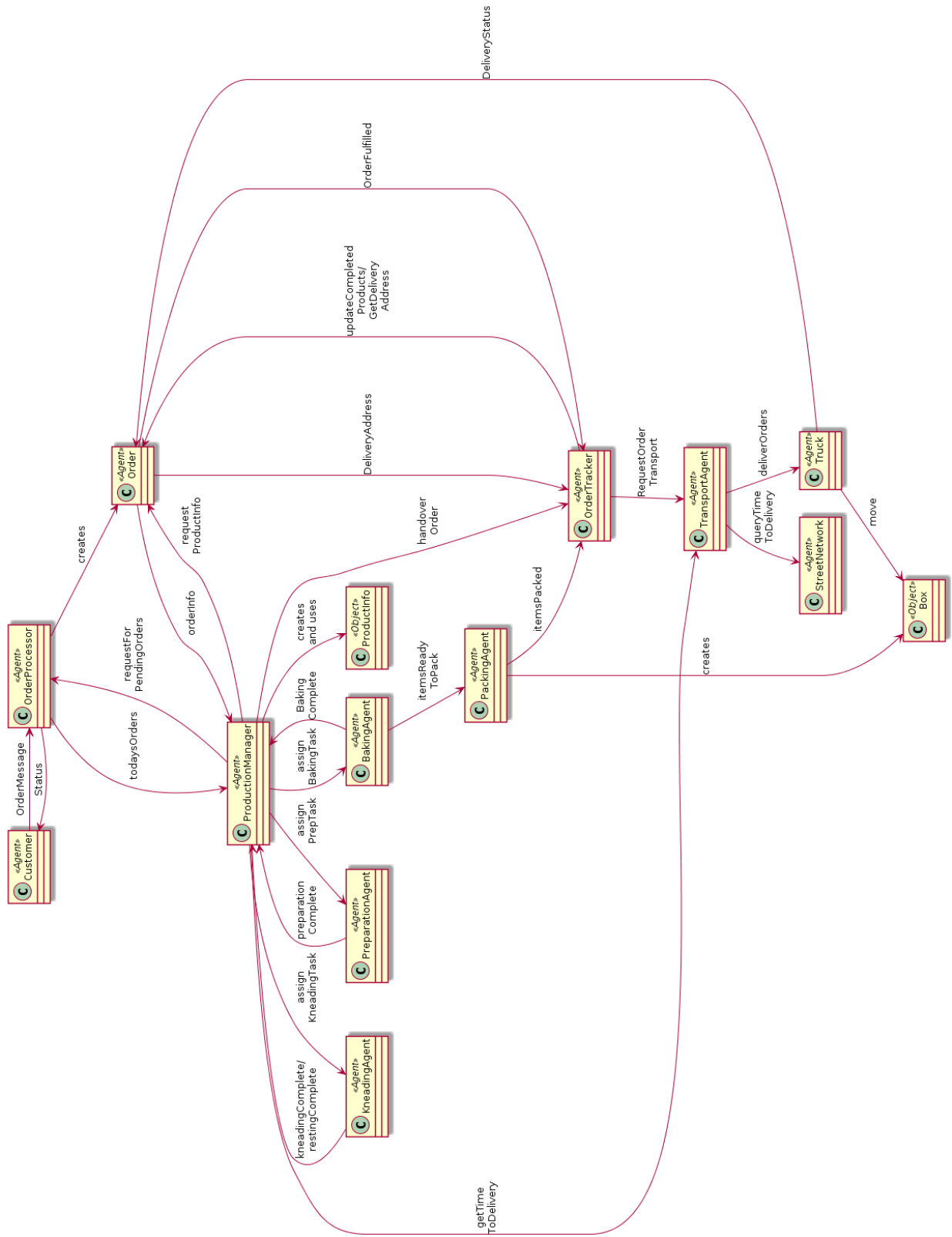November 4, 2018

1 The Architecture

Figure 1: Architecture diagram

The above figure 1 outlines the overall architecture for the Flying Saucers Bakery project. The tags above each of the components describe if the component is an object or an agent. The links between the components, represent the messages exchanged between the components. A detailed description of these messages can be looked up in the *Messages.md* file.

2 Agent Definitions

The below table lists out the details of each of the component that are a part of the architecture diagram.

Component	Agent/Object	Static/Dynamic Creation
Customer	Agent	Dynamic
Order	Agent	Dynamic
Truck	Agent	Static
StreetNetwork	Agent	Static
OrderProcessor	Agent	Static
ProductionManager	Agent	Static
KneadingAgent	Agent	Static
PreparationAgent	Agent	Static
BakingAgent	Agent	Static
OrderTracker	Agent	Static
PackingAgent	Agent	Static
TransportAgent	Agent	Static
ProductInfo	Object	Static
Box	Object	Dynamic

Table 1: Agent Definitions

3 Aggregation of order data