**Fine Colas**

Fine Cola is a medium-sized enterprise that produces and distributes soft drinks to retailers across the country. It owns a production plant and several strategically located distribution centers. Fine Cola has a range of customer types from nationwide foodstore chains to small local outlets. The foodstore chains normally maintain fixed orders though changes can be made at delivery time. Small local outlets often restock directly from the delivery truck with no previous order made. Order quantities can vary, peaking in the warmer season and during holidays.

The process from ordering of the raw materials to the delivery of the finished product and the return of empties consists of a number of subprocesses: inventory, purchase ordering or raw materials, production, supply to distribution centers, and delivery. All of these subprocesses are interdependent and activities in one subprocess are often triggered by an event in another. For example, ordering of a raw material is automatically triggered when inventory discovers that the amount of the raw material currently held in the warehouse has hit the reorder level.

**Candidate Entities**

* Enterprise
* Production Plant
* Distribution Center
* Retailer
* Raw Materials
* Order
* Inventory
* Purchase Order
* Production
* Delivery
* Empties

*Note – other entities exist such as addresses, rewards program, etc. Consider these… make sample data in a spreadsheet, think it through, normalize.*