Exercise 4 – Bicycle Production (Advanced)
Task

Process Description:

A small company produces customized bicycles. As soon as the customer service team receives a new order, an employee checks it to ensure all data is complete. If the order is incomplete, it will be rejected. If complete, the order is forwarded to the warehouse and to production. Based on the order, the warehouse creates a parts list for the required components.

Then the availability for each part on the list is checked. If a part is no longer available in the warehouse, it will be reordered from the wholesaler, otherwise it can be reserved directly for production. This process is repeated until each part on the list is available. In the meantime, production prepares everything required to build a complete bicycle. Once all parts are available, the bike can be manufactured in the production department. Finally, the customer service team prepares the manufactured bicycle for shipping and instructs the logistics service provider. The customer service then sends a shipping confirmation to the customer.

Task:

Please model the business process above using BPMN 2.0 and the SAP Signavio Process Manager.