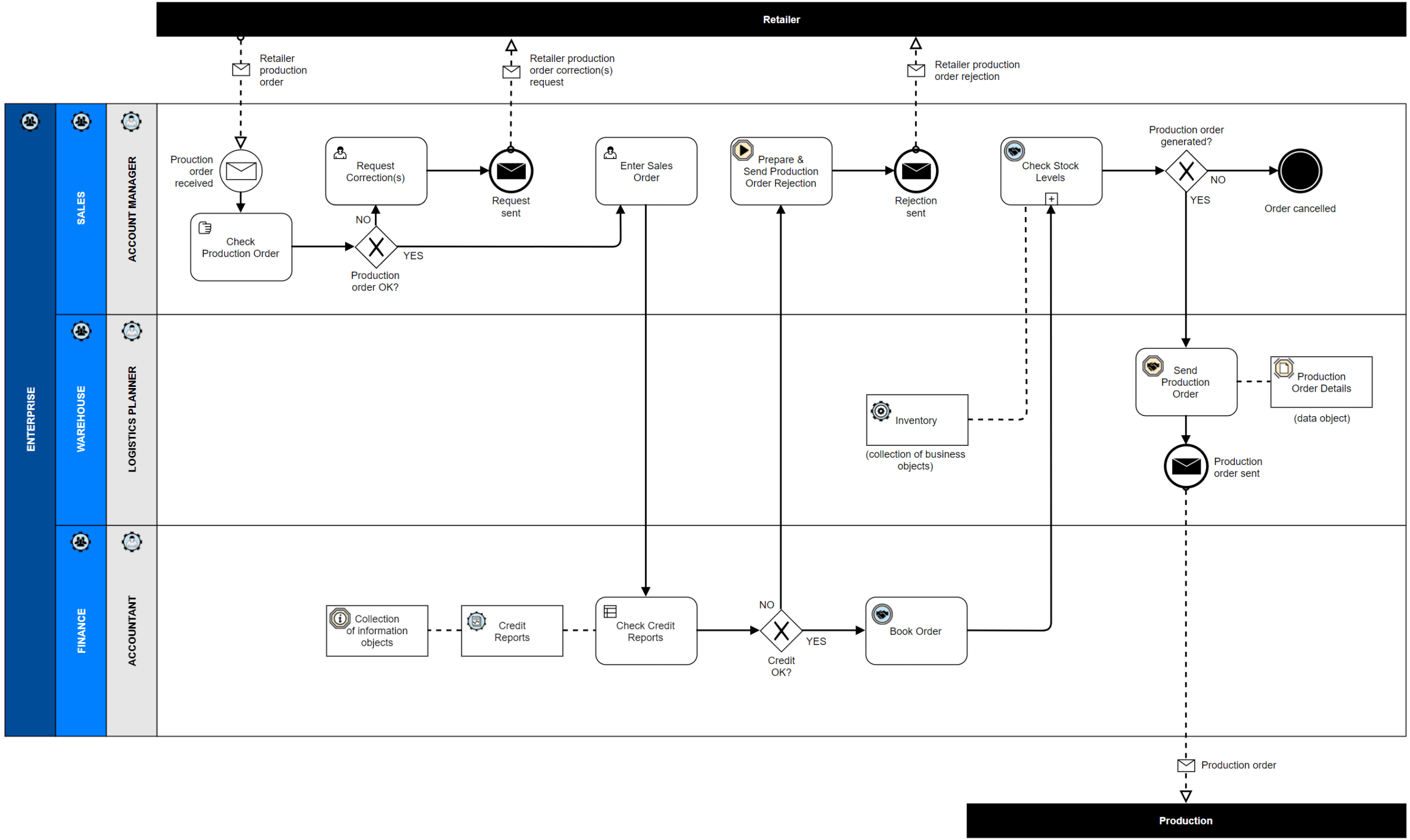
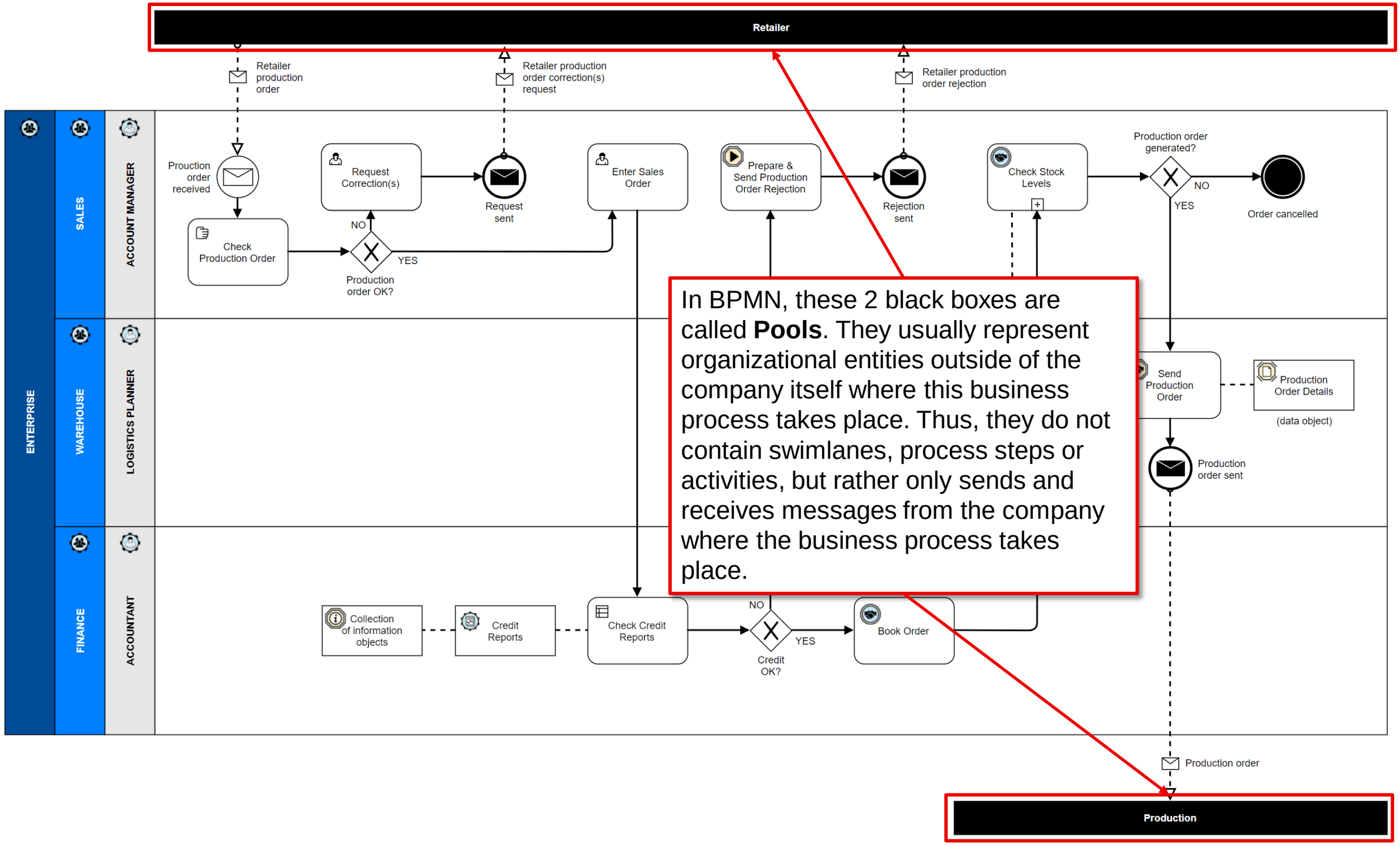
A detailed explanation of the

“**Retailer Production Order**”

business process model.


Retailer
Retailer production order
Retailer production order correction(s) request
Retailer production order rejection
ENTERPRISE
SALES
WAREHOUSE
FINANCE
ACCOUNT MANAGER
LOGISTICS PLANNER
ACCOUNTANT
Prouction order received
Check Production Order
Production order OK?
NO
YES
Request Correction(s)
Request sent
Enter Sales Order
Prepare & Send Production Order Rejection
Rejection sent
Check Stock Levels
Production order generated?
NO
YES
Order cancelled
Inventory
(collection of business objects)
Send Production Order
Production Order Details
(data object)
Production order sent
Collection of information objects
Credit Reports
Check Credit Reports
Credit OK?
NO
YES
Book Order
Production order
Production


Retailer
Retailer production order
Retailer production order correction(s) request
Retailer production order rejection
ENTERPRISE
SALES
ACCOUNT MANAGER
Prouction order received
Check Production Order
Request Correction(s)
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Production order OK?
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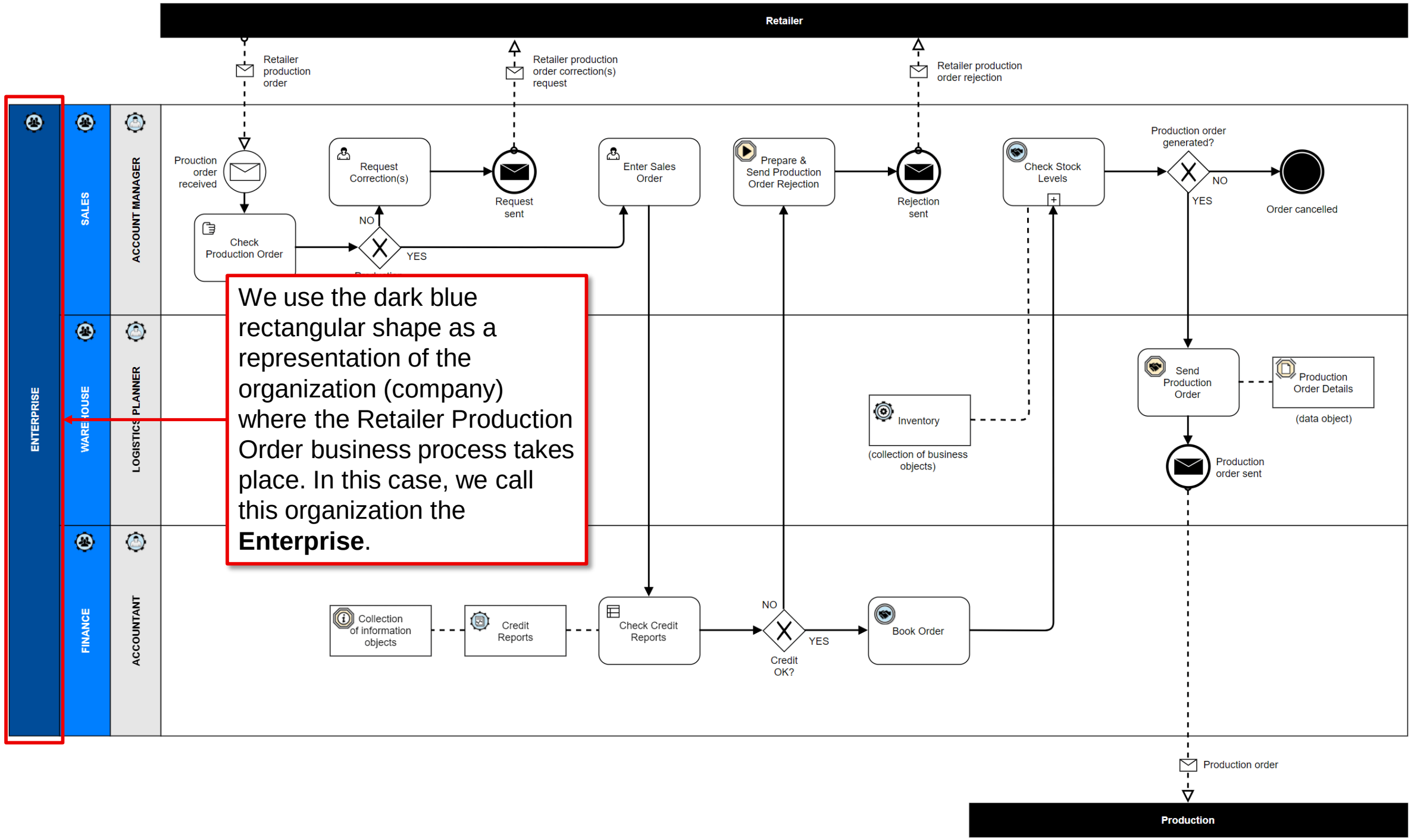
Rejection sent
Check Stock Levels
Production order generated?
NO
YES
Order cancelled
WAREHOUSE
LOGISTICS PLANNER
Send Production Order
Production Order Details
(data object)
Production order sent
FINANCE
ACCOUNTANT
Collection of information objects
Credit Reports
Check Credit Reports
NO
Credit OK?
YES
Book Order
Production order
Production
In BPMN, these 2 black boxes are called **Pools**. They usually represent organizational entities outside of the company itself where this business process takes place. Thus, they do not contain swimlanes, process steps or activities, but rather only sends and receives messages from the company where the business process takes place.


Retailer
Retailer production order
Retailer production order correction(s) request
Retailer production order rejection
ENTERPRISE
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ACCOUNT MANAGER
WAREHOUSE
LOGISTICS PLANNER
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Production order generated?
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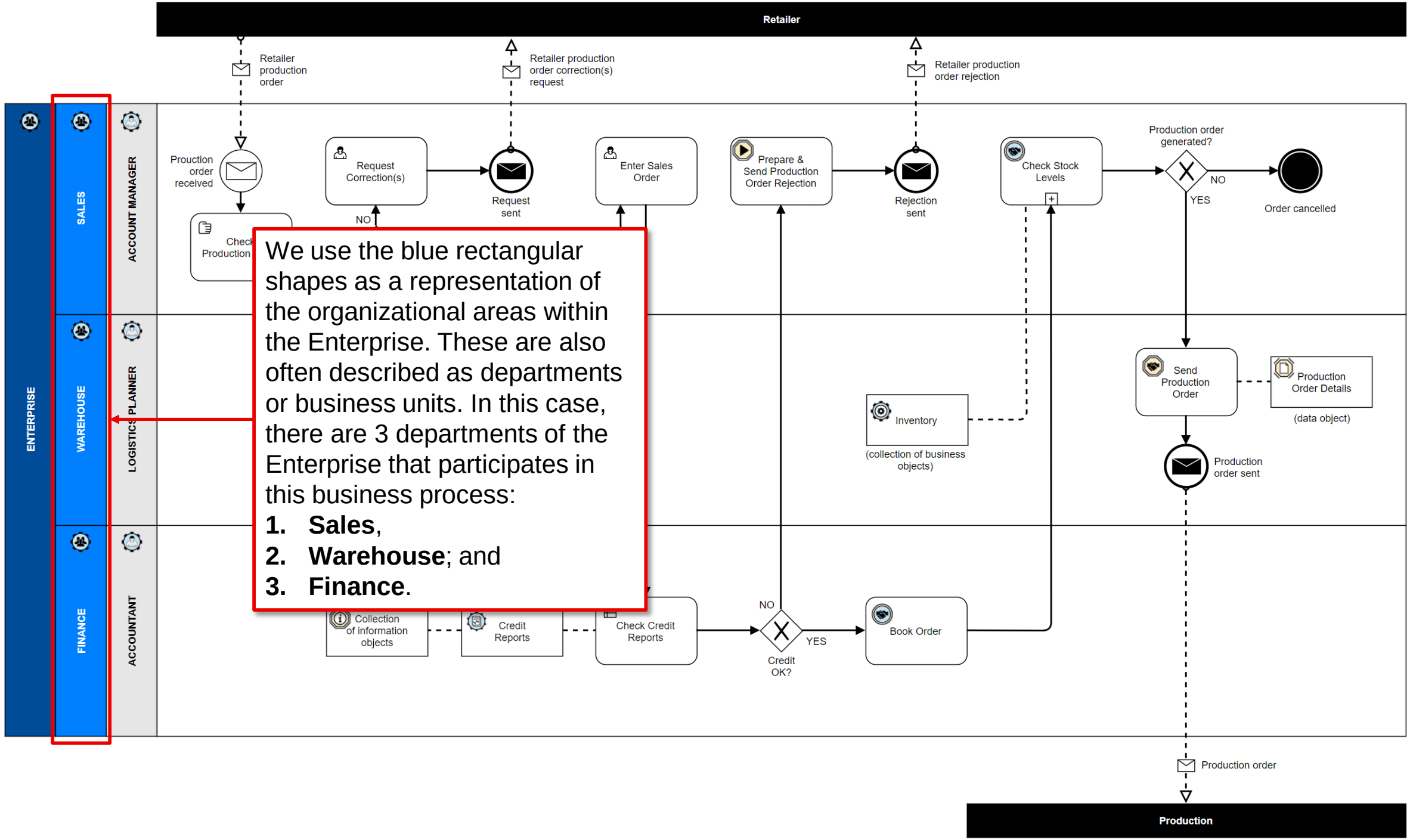
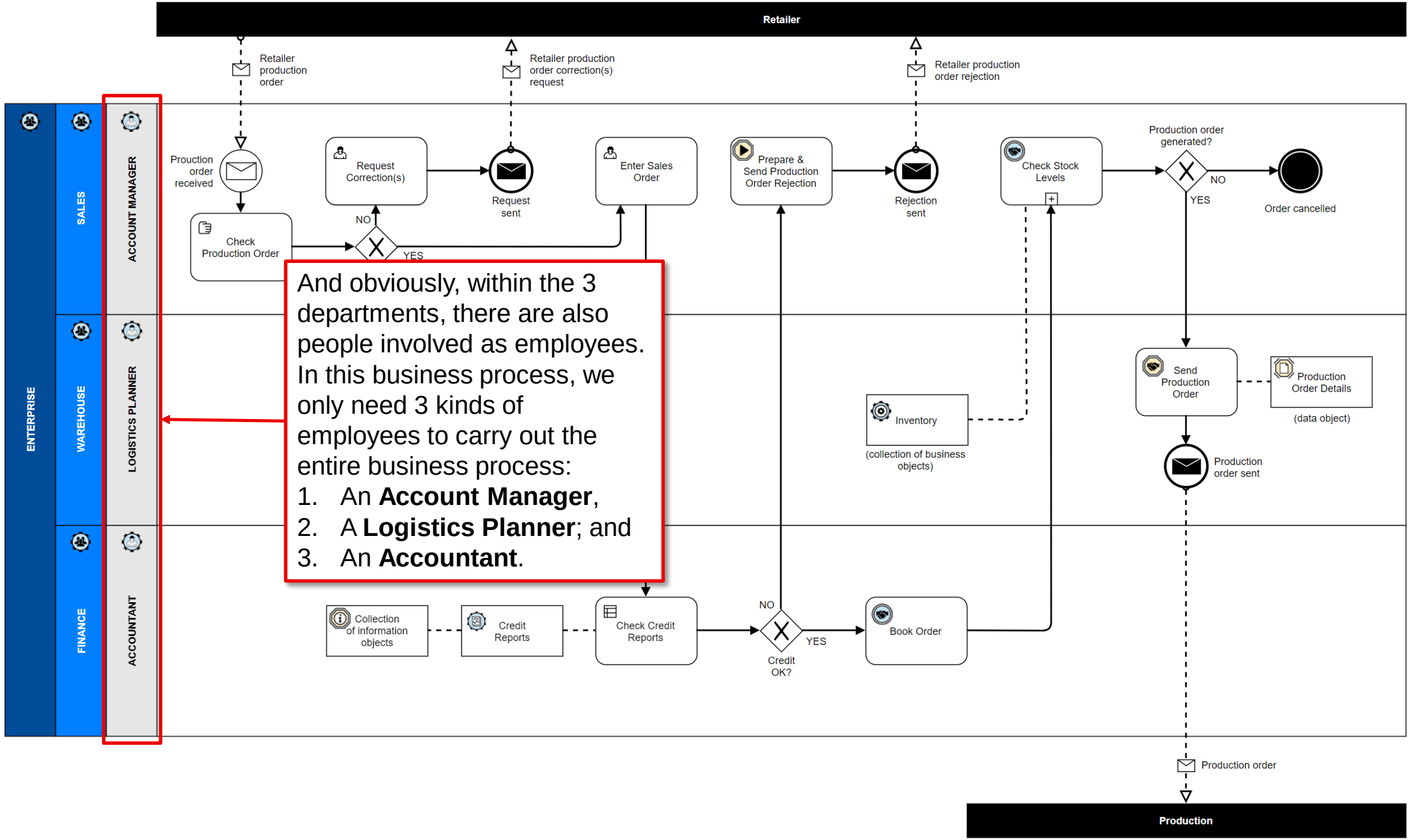
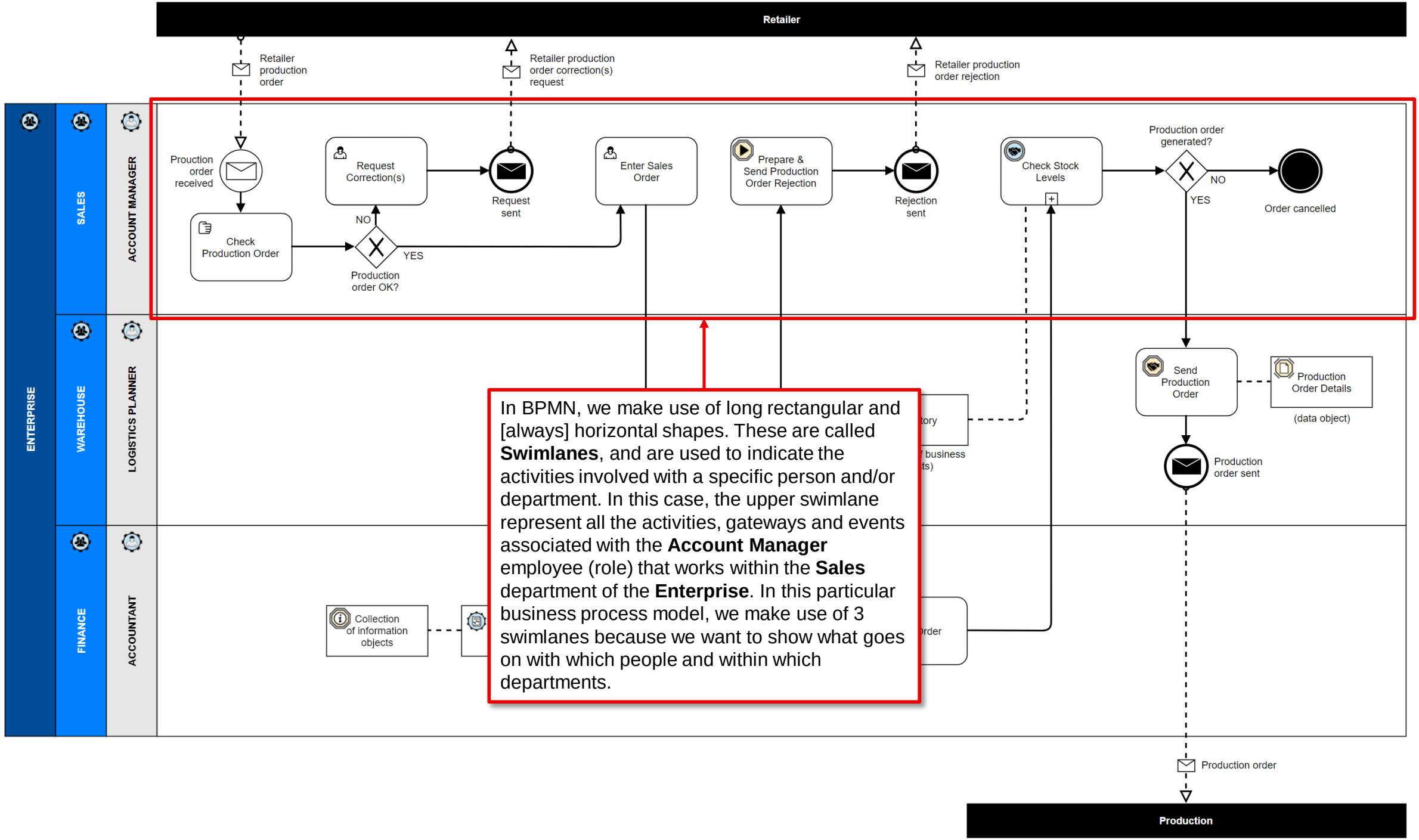
Order cancelled
Inventory
(collection of business objects)
Send Production Order
Production Order Details
(data object)
Production order sent
Collection of information objects
Credit Reports
Check Credit Reports
NO
YES
Credit OK?
Book Order
Production order
Production
We use the dark blue rectangular shape as a representation of the organization (company) where the Retailer Production Order business process takes place. In this case, we call this organization the **Enterprise**.

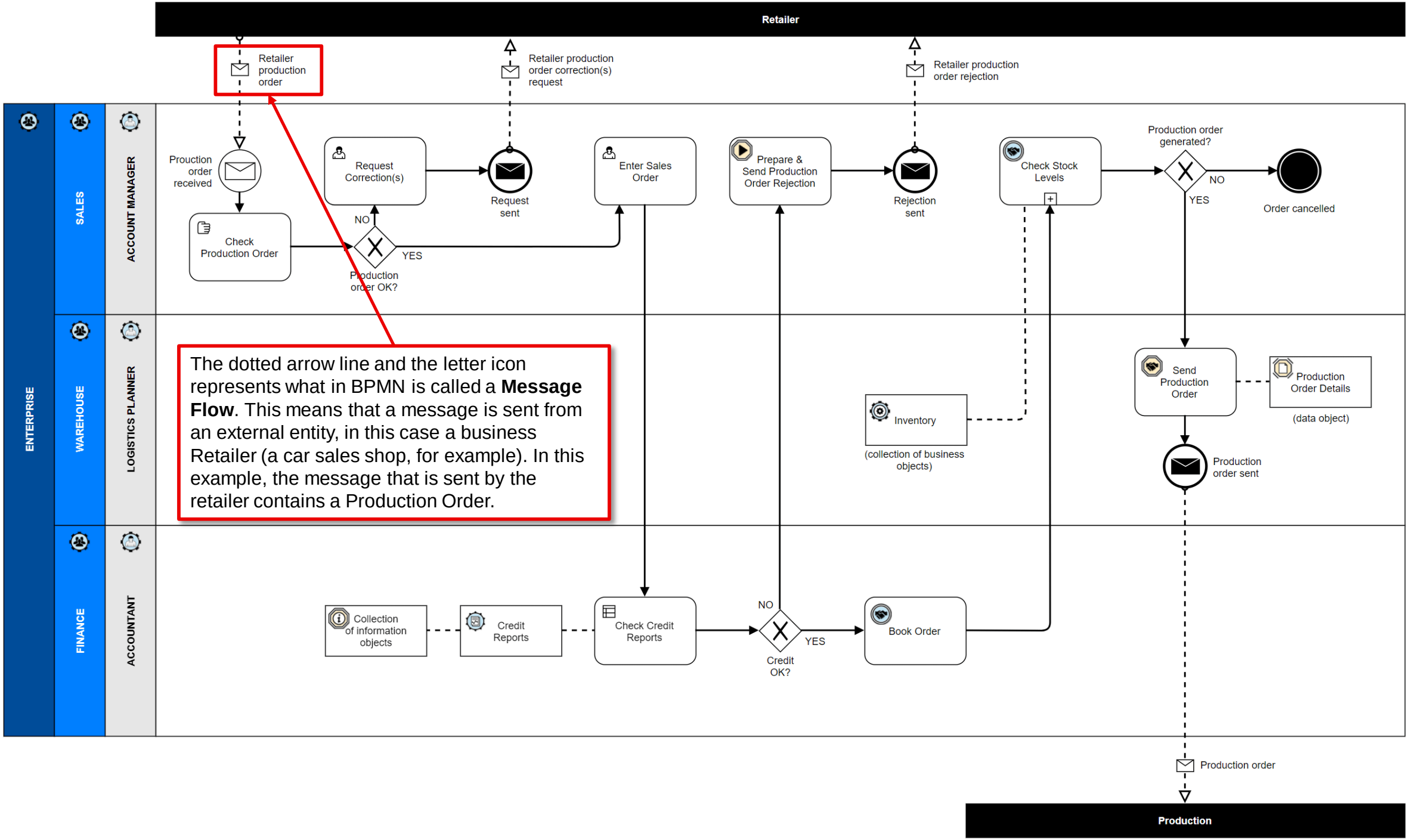


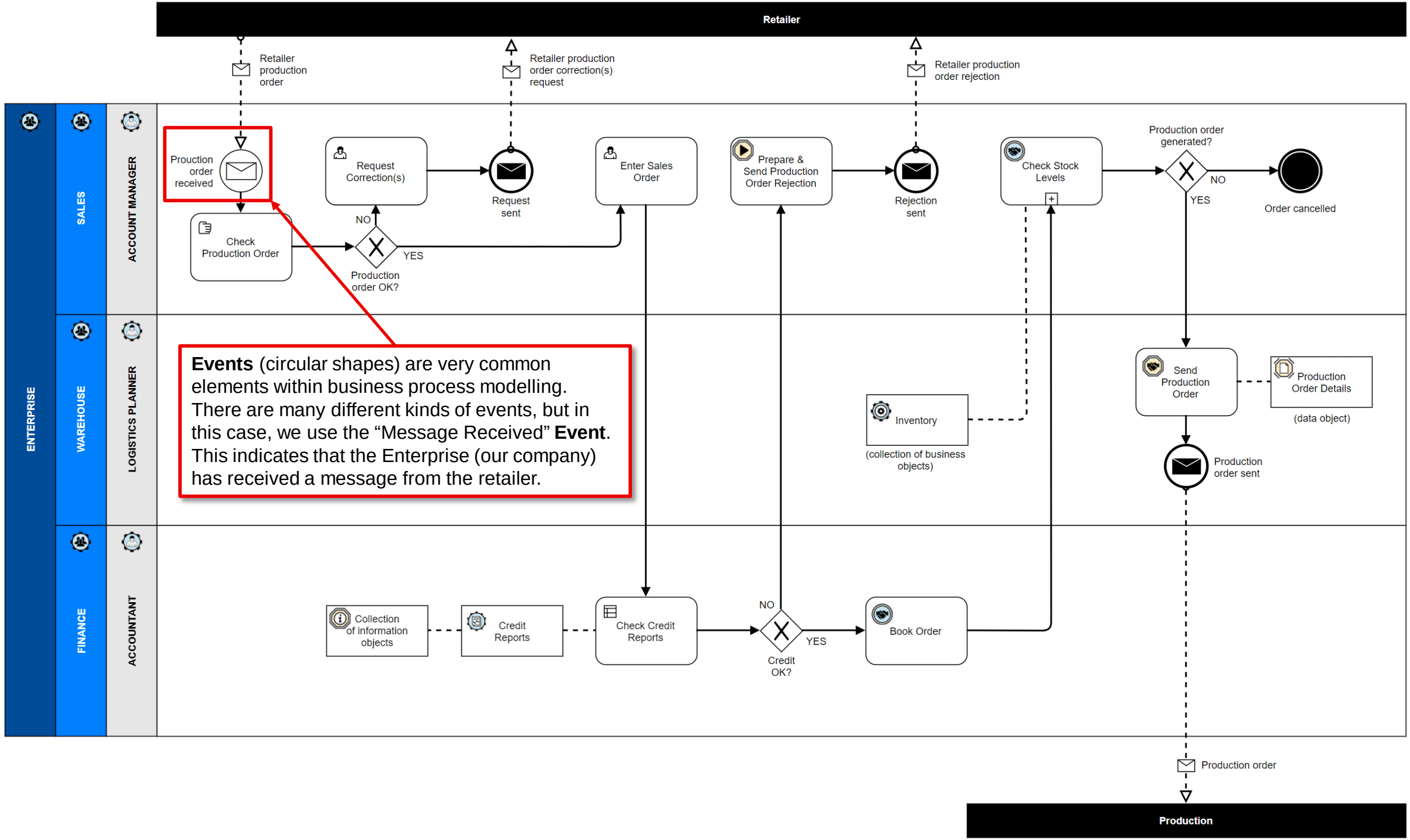
We use the blue rectangular shapes as a representation of the organizational areas within the Enterprise. These are also often described as departments or business units. In this case, there are 3 departments of the Enterprise that participates in this business process:

1. **Sales**,
2. **Warehouse**; and
3. **Finance**.


Retailer
Retailer production order
Retailer production order correction(s) request
Retailer production order rejection
ENTERPRISE
SALES
WAREHOUSE
FINANCE
ACCOUNT MANAGER
LOGISTICS PLANNER
ACCOUNTANT
Prouction order received
Check Production Order
Request Correction(s)
NO
YES
Request sent
Enter Sales Order
Prepare & Send Production Order Rejection
Rejection sent
Check Stock Levels
Production order generated?
NO
YES
Order cancelled
Inventory
(collection of business objects)
Send Production Order
Production Order Details
(data object)
Production order sent
Collection of information objects
Credit Reports
Check Credit Reports
NO
YES
Credit OK?
Book Order
Production order
Production
And obviously, within the 3 departments, there are also people involved as employees. In this business process, we only need 3 kinds of employees to carry out the entire business process:
1. An **Account Manager**,
2. A **Logistics Planner**; and
3. An **Accountant**.


Retailer
Retailer production order
Retailer production order correction(s) request
Retailer production order rejection
ENTERPRISE
SALES
ACCOUNT MANAGER
WAREHOUSE
LOGISTICS PLANNER
FINANCE
ACCOUNTANT
Prouction order received
Check Production Order
Request Correction(s)
NO
Production order OK?
YES
Request sent
Enter Sales Order
Prepare & Send Production Order Rejection
Rejection sent
Check Stock Levels
Production order generated?
NO
YES
Order cancelled
Send Production Order
Production Order Details
(data object)
Production order sent
Collection of information objects
Production order
Production
In BPMN, we make use of long rectangular and [always] horizontal shapes. These are called **Swimlanes**, and are used to indicate the activities involved with a specific person and/or department. In this case, the upper swimlane represent all the activities, gateways and events associated with the **Account Manager** employee (role) that works within the **Sales** department of the **Enterprise**. In this particular business process model, we make use of 3 swimlanes because we want to show what goes on with which people and within which departments.


Retailer
Retailer production order
Retailer production order correction(s) request
Retailer production order rejection
ENTERPRISE
SALES
ACCOUNT MANAGER
Prouction order received
Check Production Order
Request Correction(s)
Request sent
NO
YES
Production order OK?
Enter Sales Order
Prepare & Send Production Order Rejection
Rejection sent
Check Stock Levels
Production order generated?
NO
YES
Order cancelled
WAREHOUSE
LOGISTICS PLANNER
Inventory
(collection of business objects)
Send Production Order
Production Order Details
(data object)
Production order sent
FINANCE
ACCOUNTANT
Collection of information objects
Credit Reports
Check Credit Reports
NO
YES
Credit OK?
Book Order
Production order
Production
The dotted arrow line and the letter icon represents what in BPMN is called a **Message Flow**. This means that a message is sent from an external entity, in this case a business Retailer (a car sales shop, for example). In this example, the message that is sent by the retailer contains a Production Order.


Retailer
Retailer production order
Retailer production order correction(s) request
Retailer production order rejection
ENTERPRISE
SALES
WAREHOUSE
FINANCE
ACCOUNT MANAGER
LOGISTICS PLANNER
ACCOUNTANT
Prouction order received
Check Production Order
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NO
YES
Production order OK?
Request sent
Enter Sales Order
Prepare & Send Production Order Rejection
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Production order generated?
NO
YES
Order cancelled
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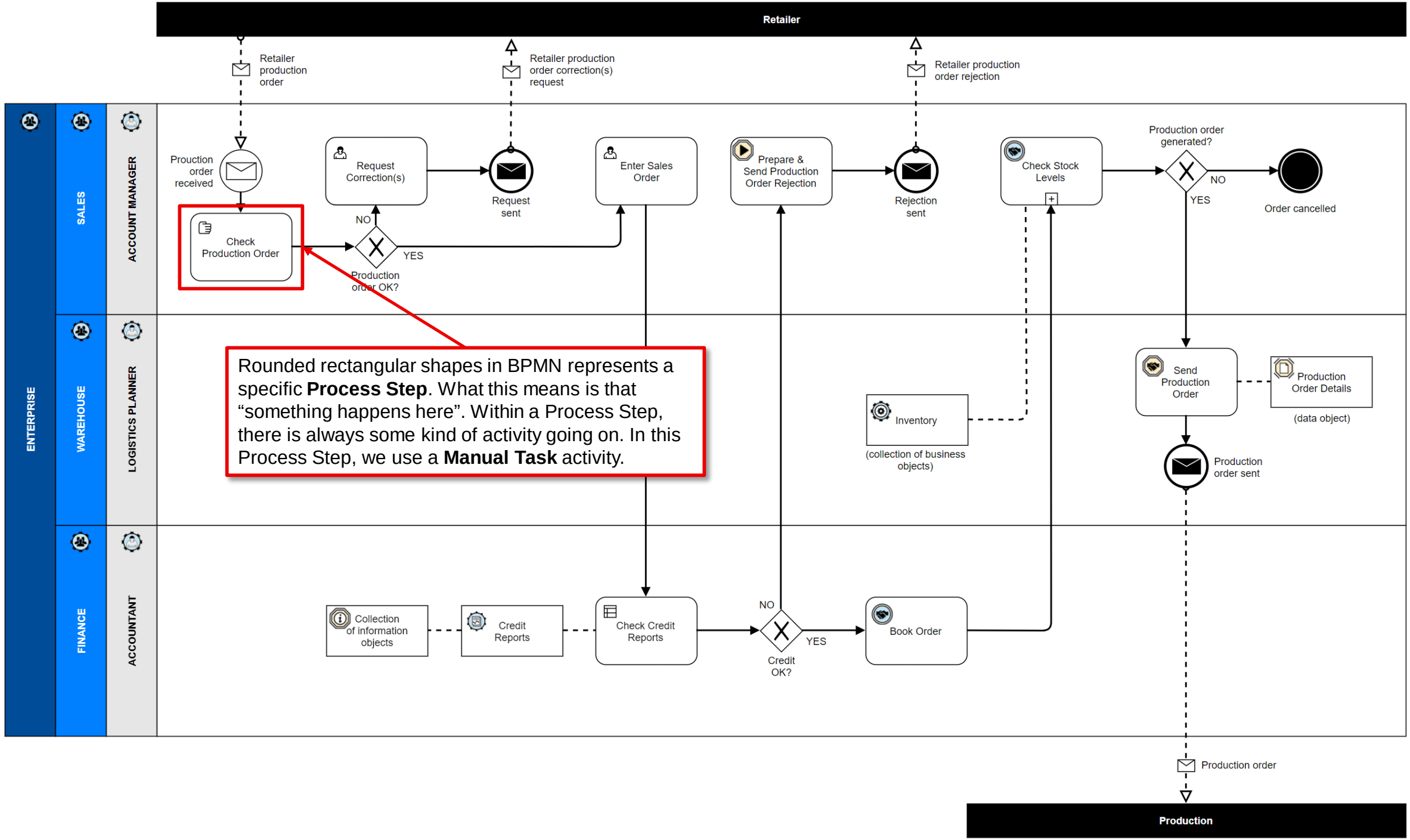
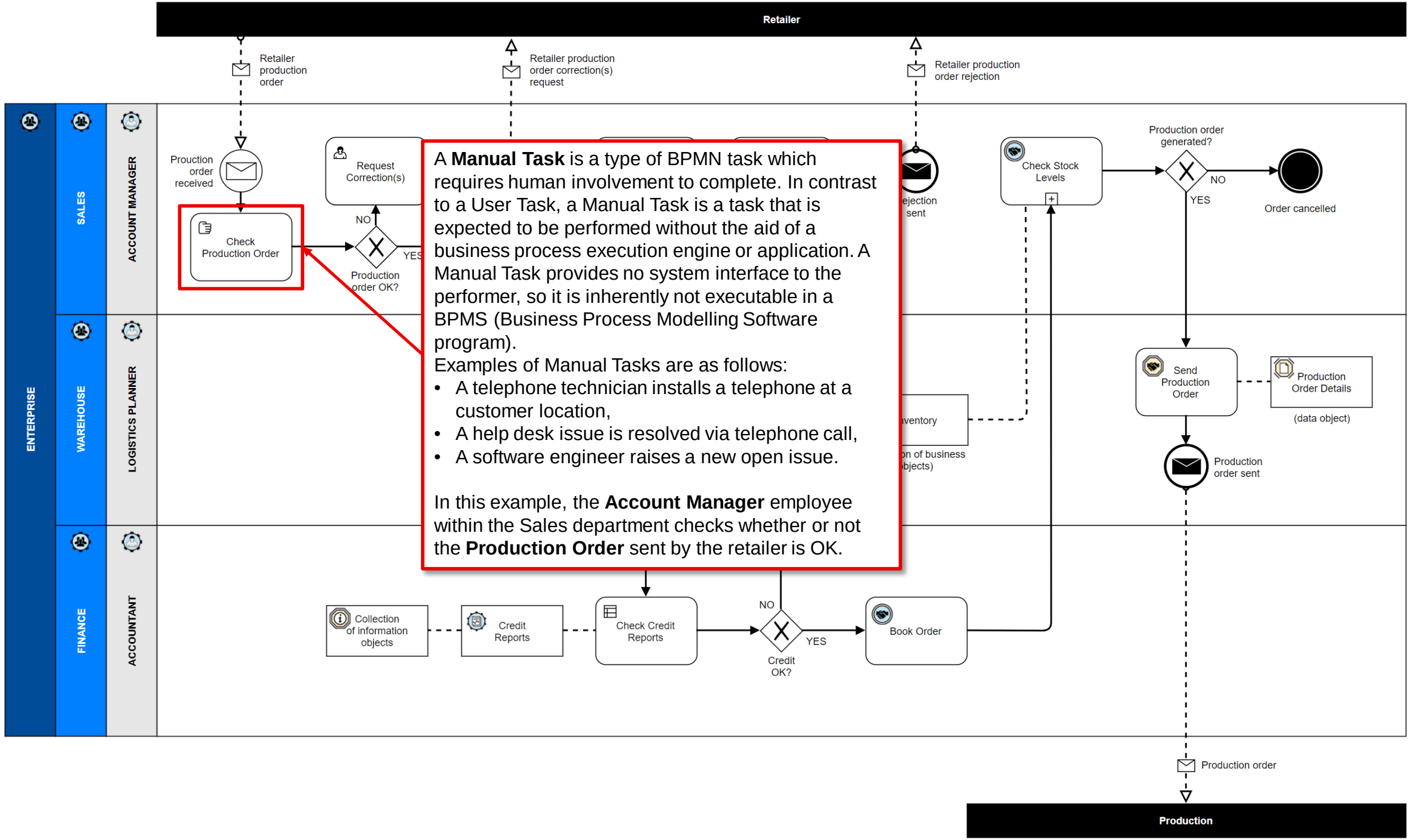
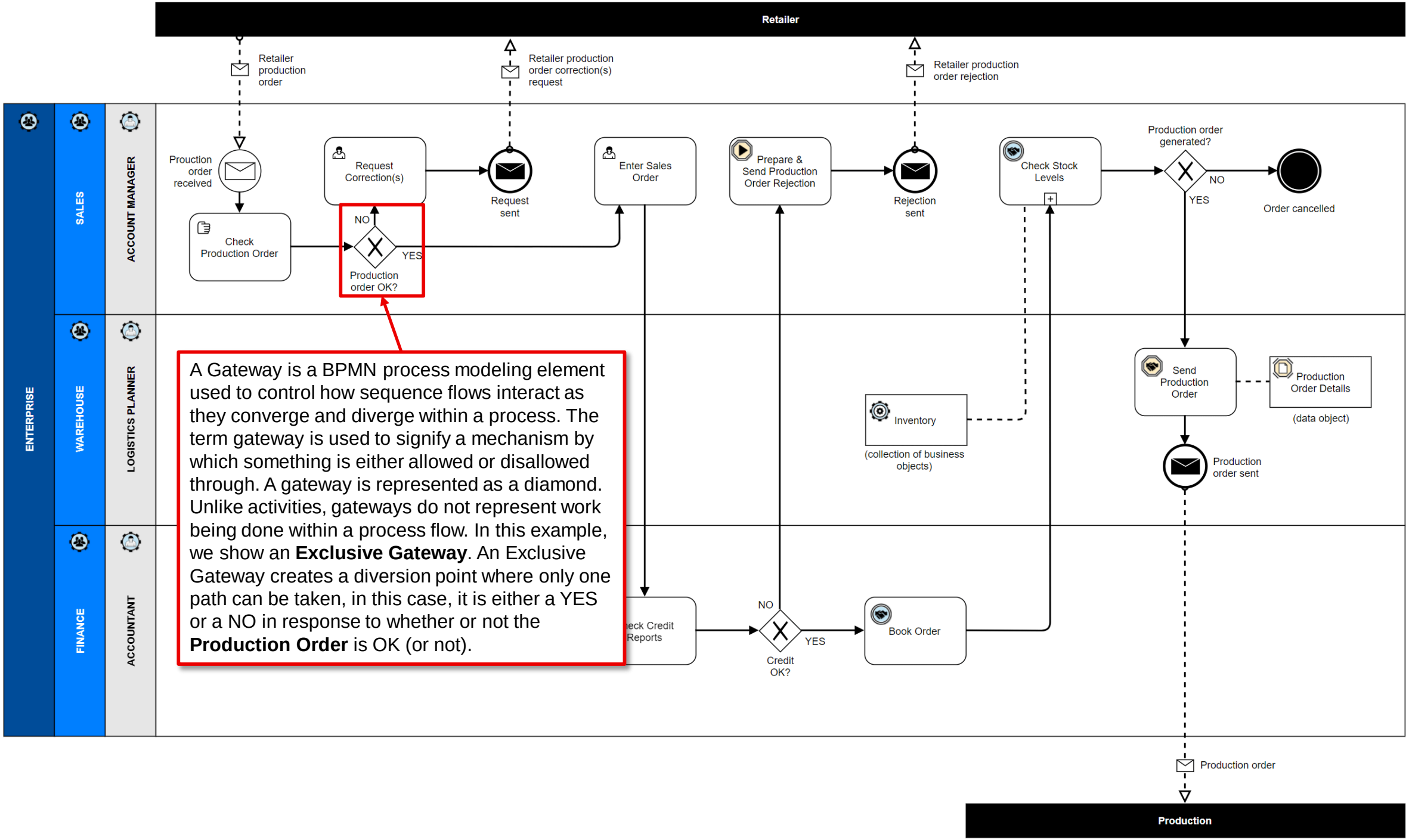
(data object)
Production order sent
Collection of information objects
Credit Reports
Check Credit Reports
NO
YES
Credit OK?
Book Order
Production order
Production
Events (circular shapes) are very common elements within business process modelling. There are many different kinds of events, but in this case, we use the “Message Received” Event. This indicates that the Enterprise (our company) has received a message from the retailer.


Retailer
Retailer production order
Retailer production order correction(s) request
Retailer production order rejection
ENTERPRISE
SALES
ACCOUNT MANAGER
Prouction order received
Check Production Order
Request Correction(s)
Request sent
NO
YES
Production order OK?
Enter Sales Order
Prepare & Send Production Order Rejection
Rejection sent
Check Stock Levels
Production order generated?
NO
YES
Order cancelled
WAREHOUSE
LOGISTICS PLANNER
Rounded rectangular shapes in BPMN represents a specific Process Step. What this means is that "something happens here". Within a Process Step, there is always some kind of activity going on. In this Process Step, we use a Manual Task activity.
Inventory
(collection of business objects)
Send Production Order
Production Order Details
(data object)
Production order sent
FINANCE
ACCOUNTANT
Collection of information objects
Credit Reports
Check Credit Reports
NO
YES
Credit OK?
Book Order
Production order
Production


Retailer
Retailer production order
Retailer production order correction(s) request
Retailer production order rejection
ENTERPRISE
SALES
ACCOUNT MANAGER
WAREHOUSE
LOGISTICS PLANNER
FINANCE
ACCOUNTANT
Prouction order received
Check Production Order
Request Correction(s)
NO
YES
Production order OK?
ejection sent
Check Stock Levels
Production order generated?
NO
YES
Order cancelled
ventory
on of business bjects)
Send Production Order
Production Order Details
(data object)
Production order sent
Collection of information objects
Credit Reports
Check Credit Reports
NO
YES
Credit OK?
Book Order
Production order
Production
A Manual Task is a type of BPMN task which requires human involvement to complete. In contrast to a User Task, a Manual Task is a task that is expected to be performed without the aid of a business process execution engine or application. A Manual Task provides no system interface to the performer, so it is inherently not executable in a BPMS (Business Process Modelling Software program).
Examples of Manual Tasks are as follows:
• A telephone technician installs a telephone at a customer location,
• A help desk issue is resolved via telephone call,
• A software engineer raises a new open issue.
In this example, the Account Manager employee within the Sales department checks whether or not the Production Order sent by the retailer is OK.


Retailer
Retailer production order
Retailer production order correction(s) request
Retailer production order rejection
ENTERPRISE
SALES
ACCOUNT MANAGER
WAREHOUSE
LOGISTICS PLANNER
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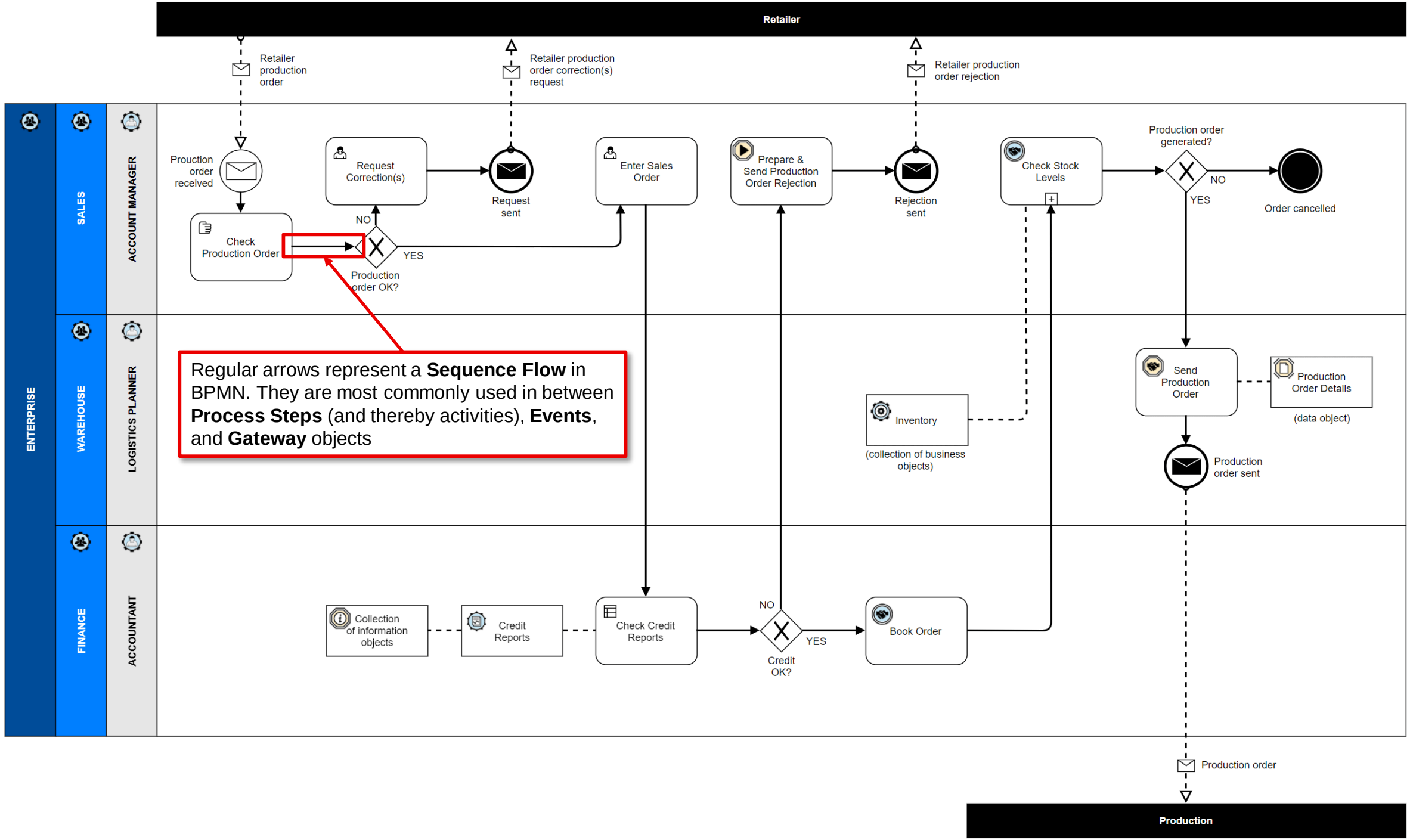
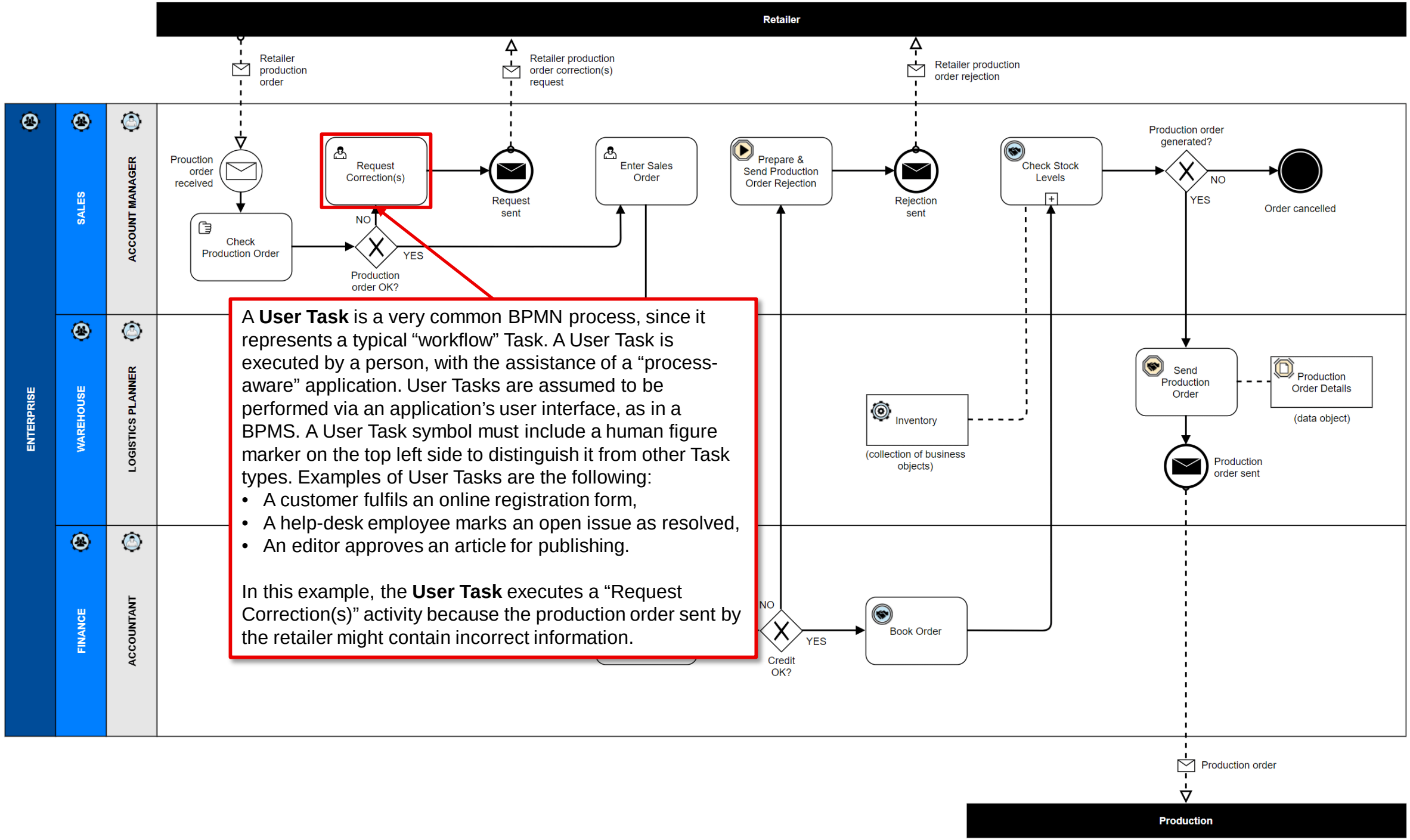
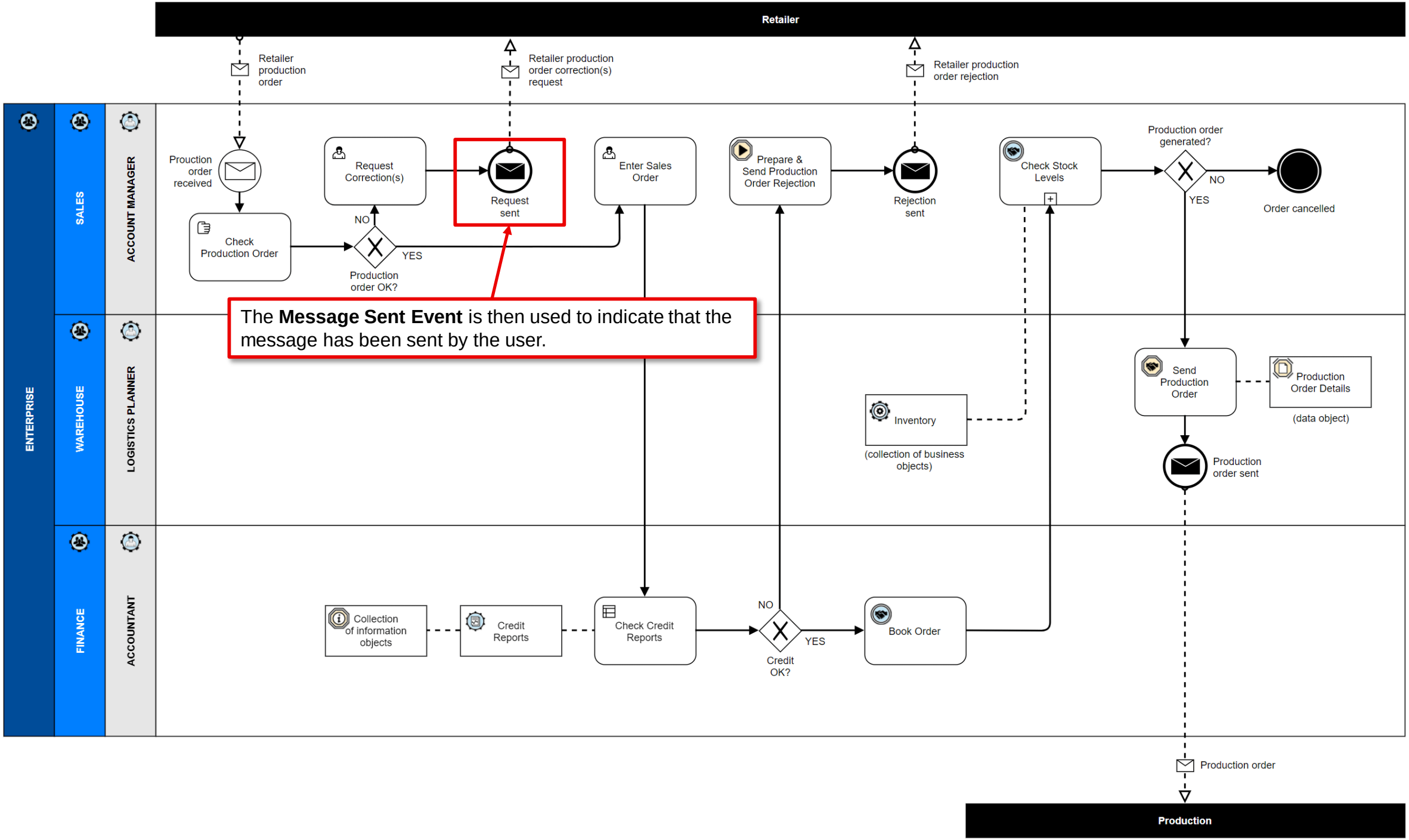
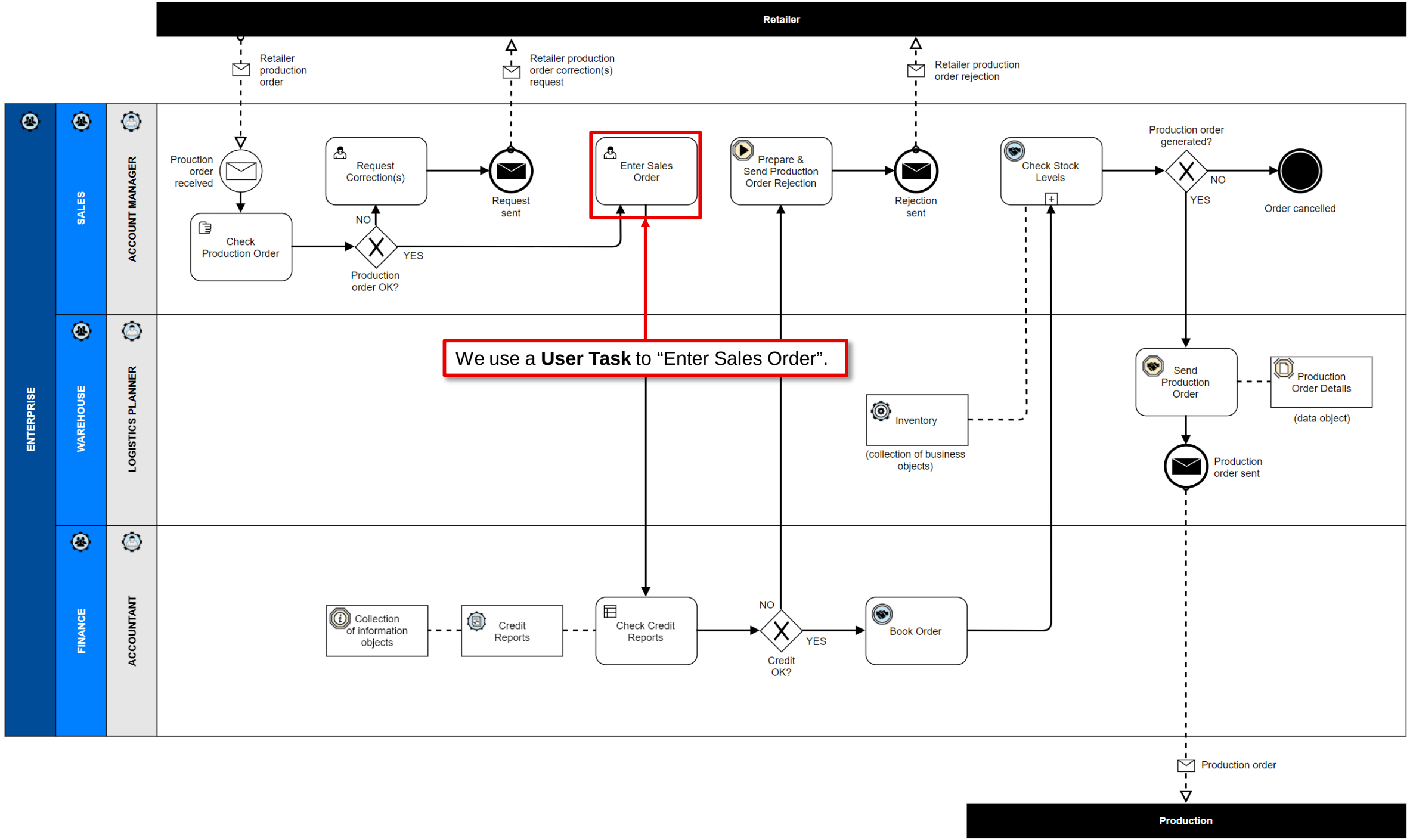
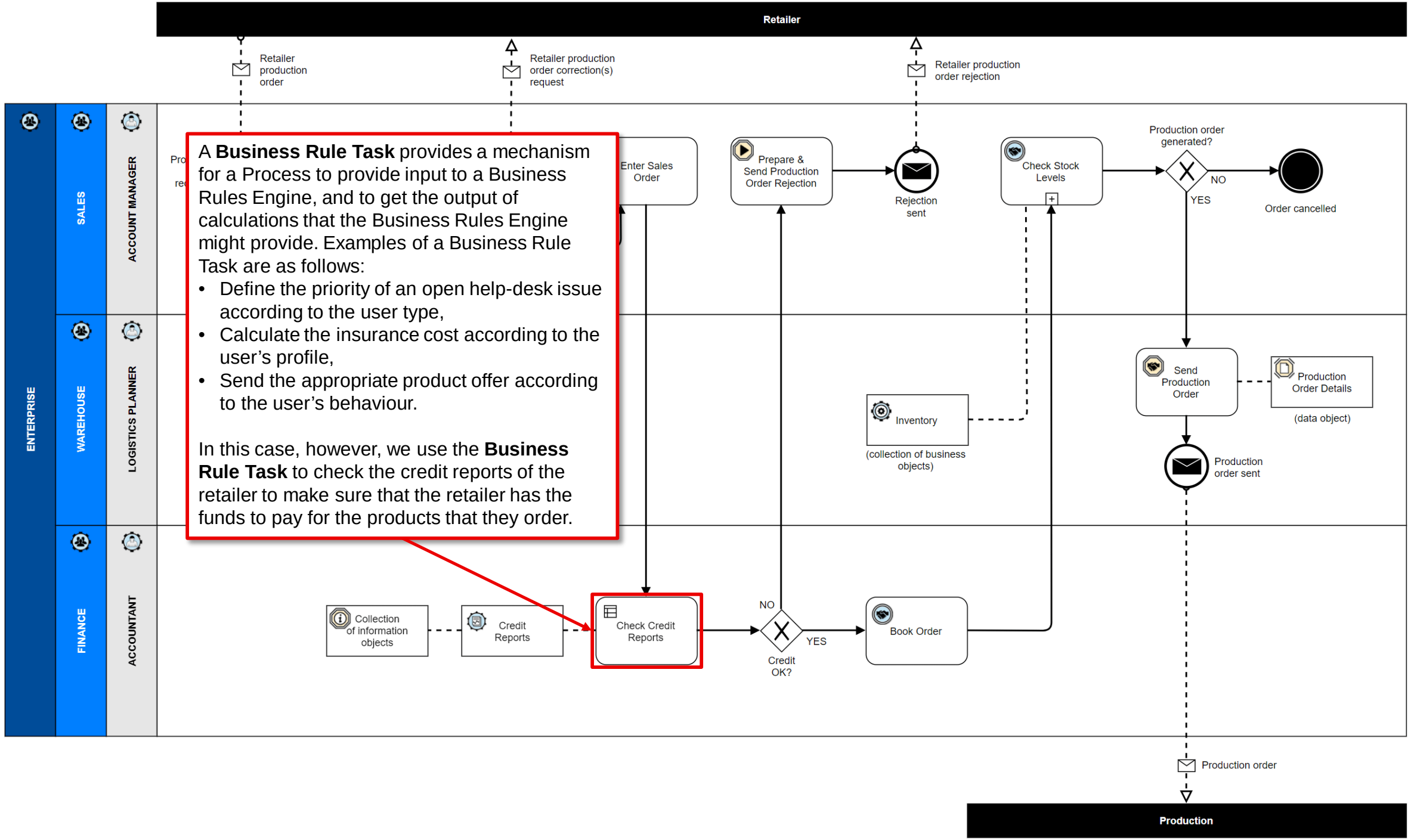
ACCOUNTANT
Prouction order received
Check Production Order
Request Correction(s)
NO
YES
Production order OK?
Request sent
Enter Sales Order
Prepare & Send Production Order Rejection
Rejection sent
Check Stock Levels
Production order generated?
NO
YES
Order cancelled
Inventory
(collection of business objects)
Send Production Order
Production Order Details
(data object)
Production order sent
eck Credit Reports
NO
YES
Credit OK?
Book Order
Production order
Production
A Gateway is a BPMN process modeling element used to control how sequence flows interact as they converge and diverge within a process. The term gateway is used to signify a mechanism by which something is either allowed or disallowed through. A gateway is represented as a diamond. Unlike activities, gateways do not represent work being done within a process flow. In this example, we show an **Exclusive Gateway**. An Exclusive Gateway creates a diversion point where only one path can be taken, in this case, it is either a YES or a NO in response to whether or not the **Production Order** is OK (or not).


Retailer
Retailer production order
Retailer production order correction(s) request
Retailer production order rejection
ENTERPRISE
SALES
WAREHOUSE
FINANCE
ACCOUNT MANAGER
LOGISTICS PLANNER
ACCOUNTANT
Prouction order received
Check Production Order
Request Correction(s)
NO
Production order OK?
YES
Request sent
Enter Sales Order
Prepare & Send Production Order Rejection
Rejection sent
Check Stock Levels
Production order generated?
NO
YES
Order cancelled
Regular arrows represent a Sequence Flow in BPMN. They are most commonly used in between Process Steps (and thereby activities), Events, and Gateway objects
Inventory
(collection of business objects)
Send Production Order
Production Order Details
(data object)
Production order sent
Collection of information objects
Credit Reports
Check Credit Reports
NO
Credit OK?
YES
Book Order
Production order
Production


Retailer
Retailer production order
Retailer production order correction(s) request
Retailer production order rejection
ENTERPRISE
SALES
ACCOUNT MANAGER
WAREHOUSE
LOGISTICS PLANNER
FINANCE
ACCOUNTANT
Prouction order received
Check Production Order
Request Correction(s)
NO
YES
Production order OK?
Request sent
Enter Sales Order
Prepare & Send Production Order Rejection
Rejection sent
Check Stock Levels
Production order generated?
NO
YES
Order cancelled
Inventory
(collection of business objects)
Send Production Order
Production Order Details
(data object)
Production order sent
NO
YES
Credit OK?
Book Order
Production order
Production
A User Task is a very common BPMN process, since it represents a typical “workflow” Task. A User Task is executed by a person, with the assistance of a “process-aware” application. User Tasks are assumed to be performed via an application’s user interface, as in a BPMS. A User Task symbol must include a human figure marker on the top left side to distinguish it from other Task types. Examples of User Tasks are the following:
• A customer fulfils an online registration form,
• A help-desk employee marks an open issue as resolved,
• An editor approves an article for publishing.
In this example, the User Task executes a “Request Correction(s)” activity because the production order sent by the retailer might contain incorrect information.


Retailer
Retailer production order
Retailer production order correction(s) request
Retailer production order rejection
ENTERPRISE
SALES
ACCOUNT MANAGER
Prouction order received
Check Production Order
Request Correction(s)
NO
Production order OK?
YES
Request sent
Enter Sales Order
Prepare & Send Production Order Rejection
Rejection sent
Check Stock Levels
Production order generated?
NO
YES
Order cancelled
The Message Sent Event is then used to indicate that the message has been sent by the user.
WAREHOUSE
LOGISTICS PLANNER
Inventory
(collection of business objects)
Send Production Order
Production Order Details
(data object)
Production order sent
FINANCE
ACCOUNTANT
Collection of information objects
Credit Reports
Check Credit Reports
NO
Credit OK?
YES
Book Order
Production order
Production


Retailer
Retailer production order
Retailer production order correction(s) request
Retailer production order rejection
ENTERPRISE
SALES
ACCOUNT MANAGER
Prouction order received
Check Production Order
Request Correction(s)
NO
Production order OK?
YES
Request sent
Enter Sales Order
Prepare & Send Production Order Rejection
Rejection sent
Check Stock Levels
Production order generated?
NO
YES
Order cancelled
WAREHOUSE
LOGISTICS PLANNER
We use a User Task to “Enter Sales Order”.
Inventory
(collection of business objects)
Send Production Order
Production Order Details
(data object)
Production order sent
FINANCE
ACCOUNTANT
Collection of information objects
Credit Reports
Check Credit Reports
NO
Credit OK?
YES
Book Order
Production order
Production


Retailer
Retailer production order
Retailer production order correction(s) request
Retailer production order rejection
ENTERPRISE
SALES
ACCOUNT MANAGER
WAREHOUSE
LOGISTICS PLANNER
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ACCOUNTANT
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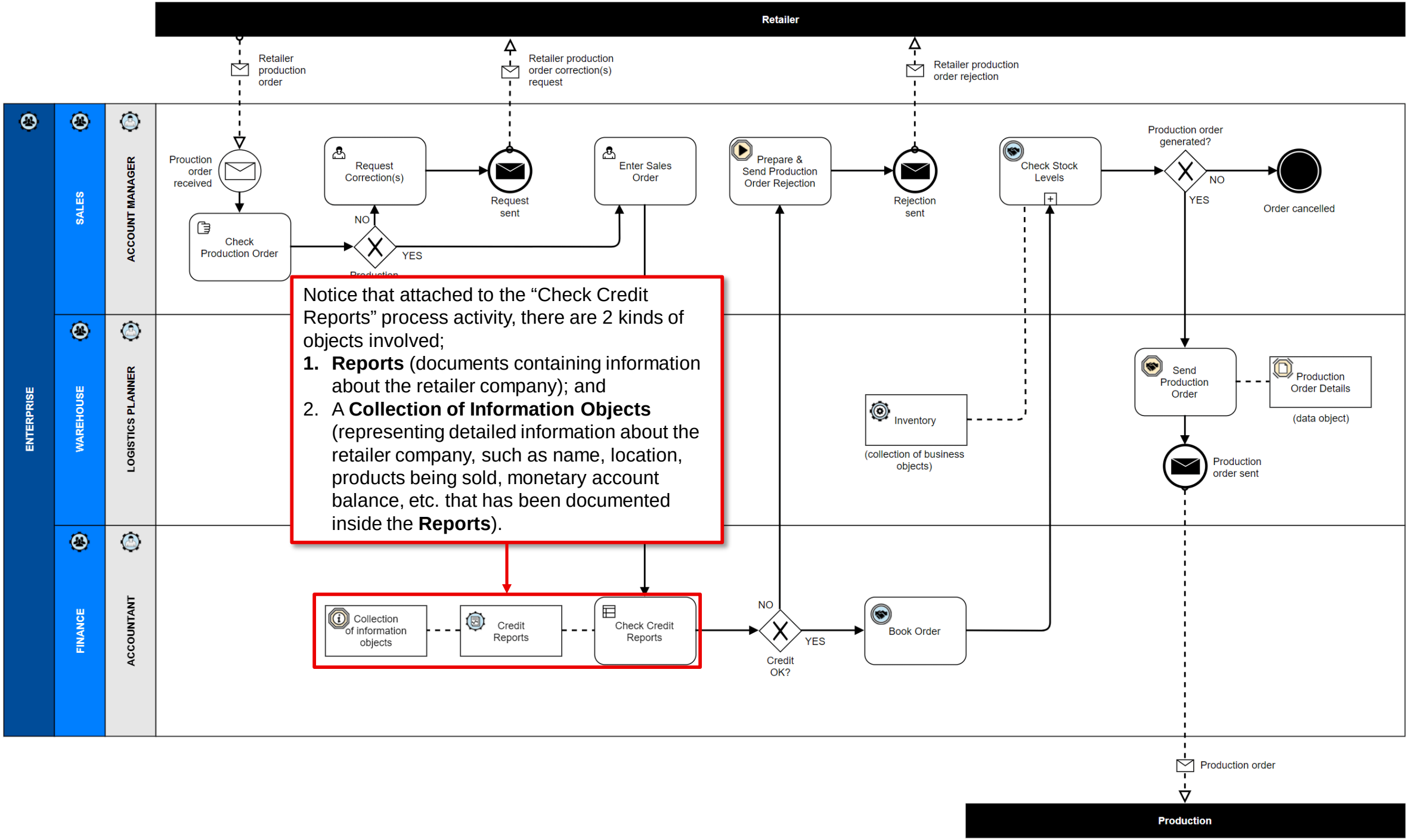
Rejection sent
Check Stock Levels
Production order generated?
NO
YES
Order cancelled
Inventory
(collection of business objects)
Send Production Order
Production Order Details
(data object)
Production order sent
Collection of information objects
Credit Reports
Check Credit Reports
NO
Credit OK?
YES
Book Order
Production order
Production
A Business Rule Task provides a mechanism for a Process to provide input to a Business Rules Engine, and to get the output of calculations that the Business Rules Engine might provide. Examples of a Business Rule Task are as follows:
• Define the priority of an open help-desk issue according to the user type,
• Calculate the insurance cost according to the user's profile,
• Send the appropriate product offer according to the user's behaviour.
In this case, however, we use the Business Rule Task to check the credit reports of the retailer to make sure that the retailer has the funds to pay for the products that they order.


Retailer
Retailer production order
Retailer production order correction(s) request
Retailer production order rejection
ENTERPRISE
SALES
ACCOUNT MANAGER
Prouction order received
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NO
YES
Request sent
Enter Sales Order
Prepare & Send Production Order Rejection
Rejection sent
Check Stock Levels
Production order generated?
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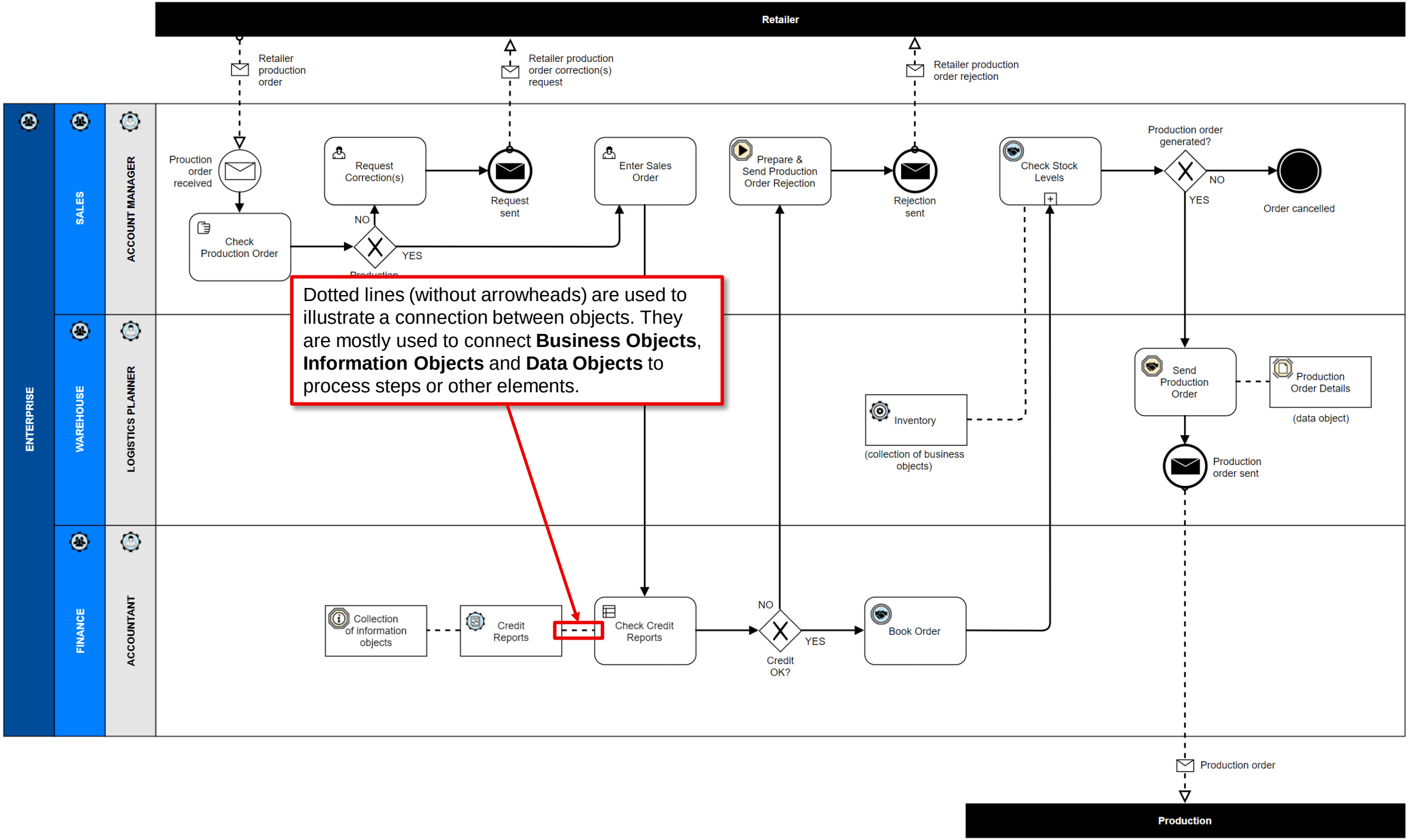
YES
Order cancelled
WAREHOUSE
LOGISTICS PLANNER
Inventory
(collection of business objects)
Send Production Order
Production Order Details
(data object)
Production order sent
FINANCE
ACCOUNTANT
Collection of information objects
Credit Reports
Check Credit Reports
NO
YES
Credit OK?
Book Order
Production order
Production
Notice that attached to the “Check Credit Reports” process activity, there are 2 kinds of objects involved;
1. Reports (documents containing information about the retailer company); and
2. A Collection of Information Objects (representing detailed information about the retailer company, such as name, location, products being sold, monetary account balance, etc. that has been documented inside the Reports).


Retailer
Retailer production order
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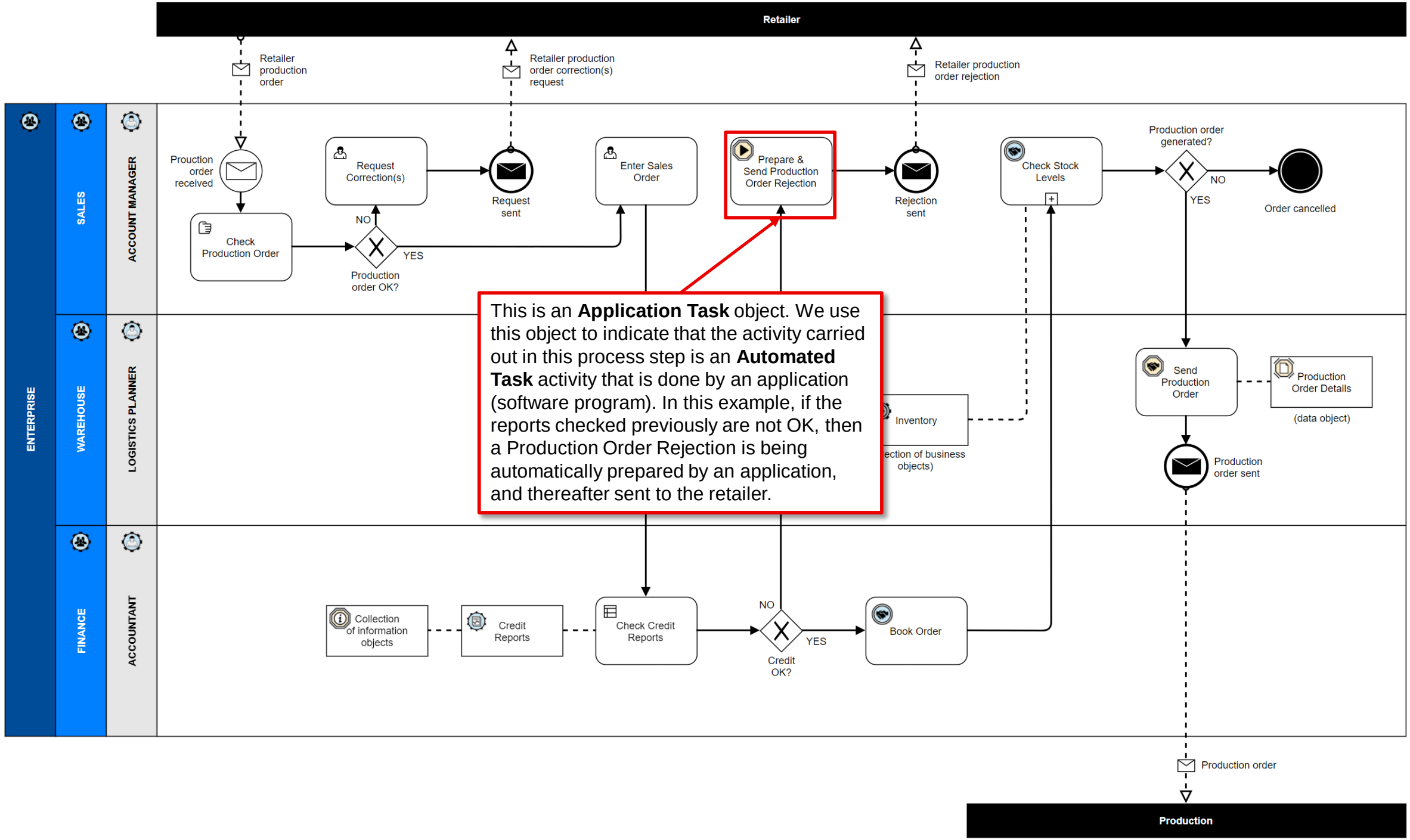
ENTERPRISE
SALES
ACCOUNT MANAGER
WAREHOUSE
LOGISTICS PLANNER
FINANCE
ACCOUNTANT
Prouction order received
Check Production Order
Request Correction(s)
NO
YES
Request sent
Enter Sales Order
Prepare & Send Production Order Rejection
Rejection sent
Check Stock Levels
Production order generated?
NO
YES
Order cancelled
Dotted lines (without arrowheads) are used to illustrate a connection between objects. They are mostly used to connect **Business Objects**, **Information Objects** and **Data Objects** to process steps or other elements.
Inventory
(collection of business objects)
Send Production Order
Production Order Details
(data object)
Production order sent
Collection of information objects
Credit Reports
Check Credit Reports
NO
YES
Credit OK?
Book Order
Production order
Production


Retailer
Retailer production order
Retailer production order correction(s) request
Retailer production order rejection
ENTERPRISE
SALES
WAREHOUSE
FINANCE
ACCOUNT MANAGER
LOGISTICS PLANNER
ACCOUNTANT
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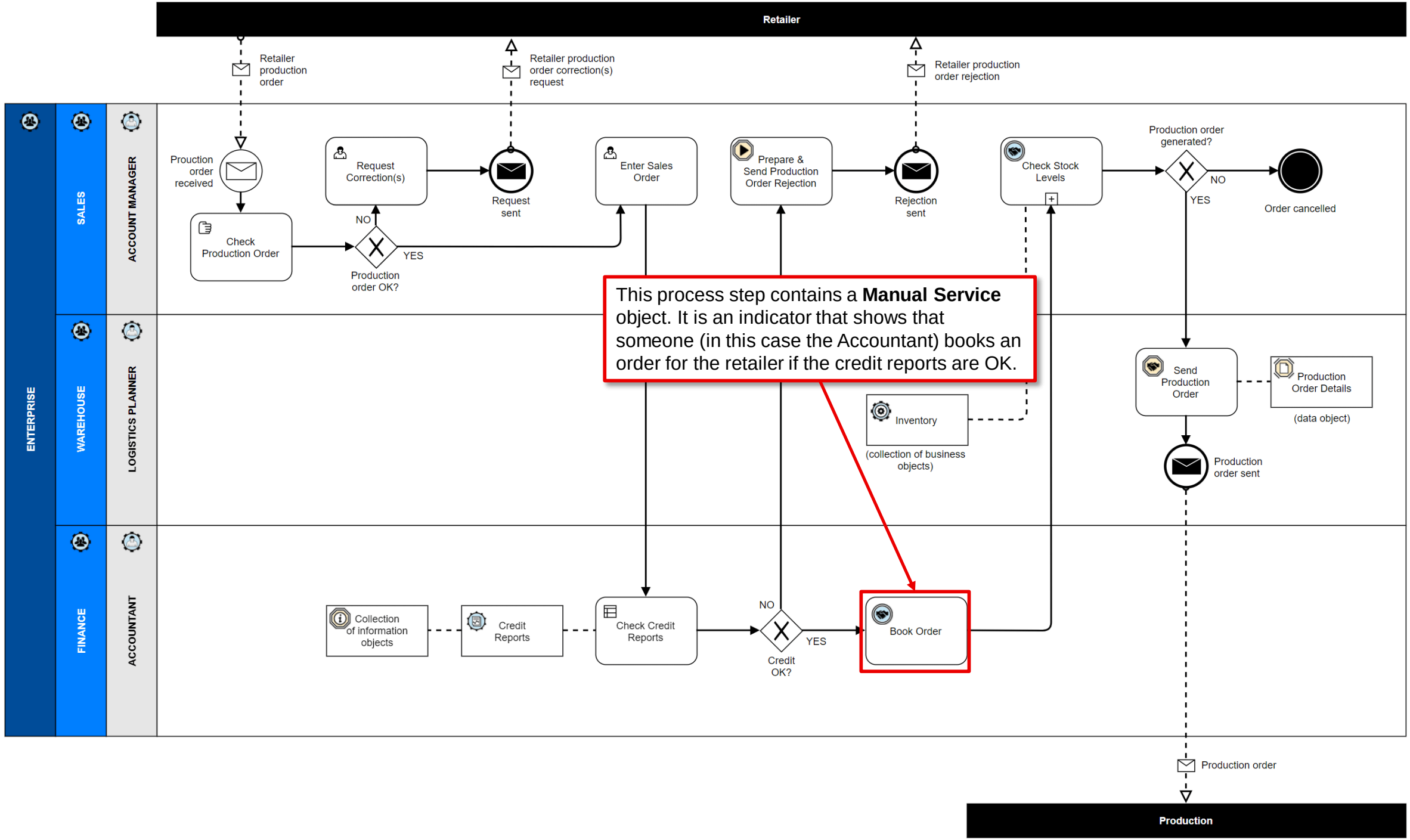
Check Production Order
Request Correction(s)
NO
YES
Production order OK?
Request sent
Enter Sales Order
Prepare & Send Production Order Rejection
Rejection sent
Check Stock Levels
Production order generated?
NO
YES
Order cancelled
This is an Application Task object. We use this object to indicate that the activity carried out in this process step is an Automated Task activity that is done by an application (software program). In this example, if the reports checked previously are not OK, then a Production Order Rejection is being automatically prepared by an application, and thereafter sent to the retailer.
Inventory
ection of business objects)
Send Production Order
Production Order Details
(data object)
Production order sent
Collection of information objects
Credit Reports
Check Credit Reports
NO
YES
Credit OK?
Book Order
Production order
Production


Retailer
Retailer production order
Retailer production order correction(s) request
Retailer production order rejection
ENTERPRISE
SALES
ACCOUNT MANAGER
WAREHOUSE
LOGISTICS PLANNER
FINANCE
ACCOUNTANT
Prouction order received
Check Production Order
Request Correction(s)
NO
Production order OK?
YES
Request sent
Enter Sales Order
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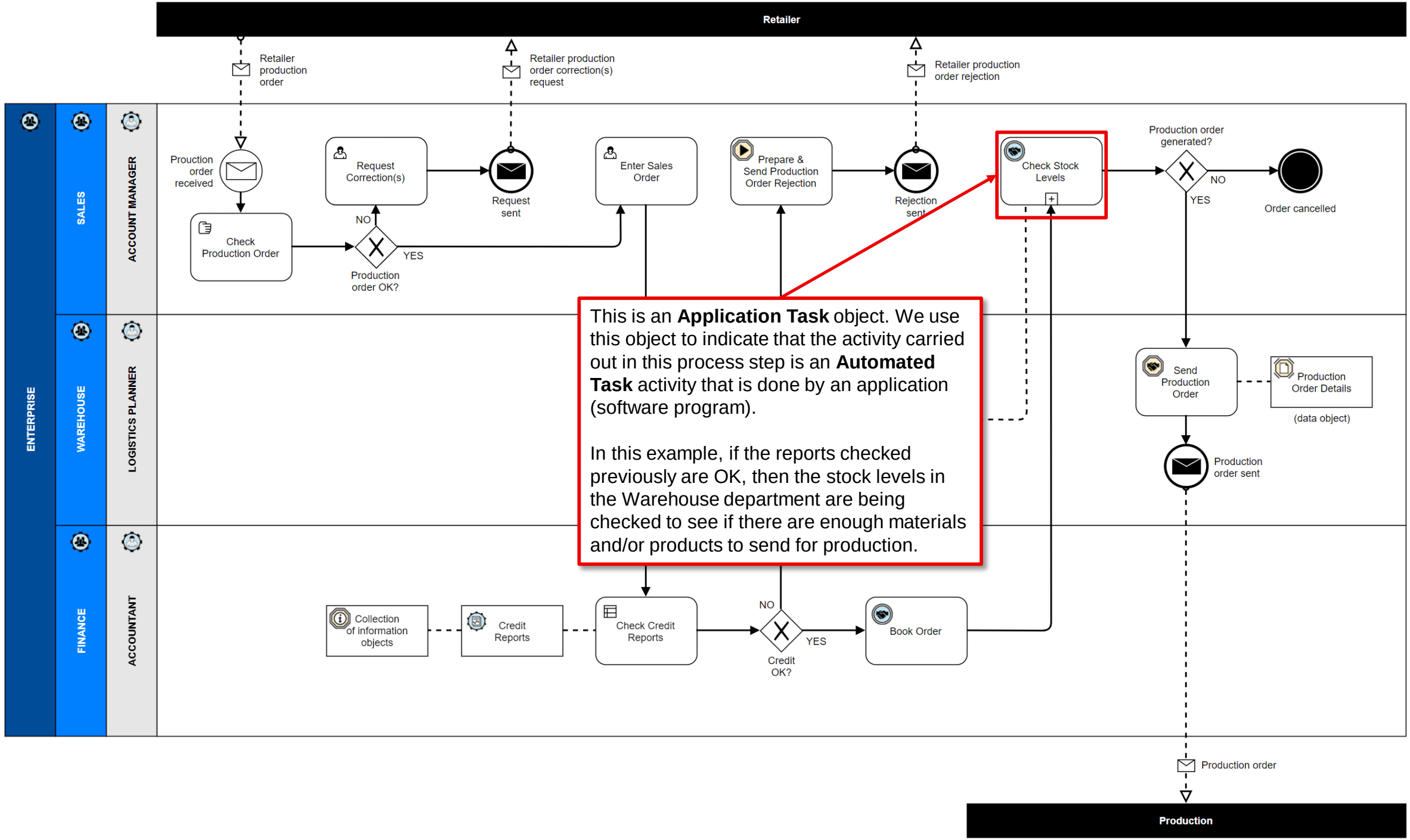
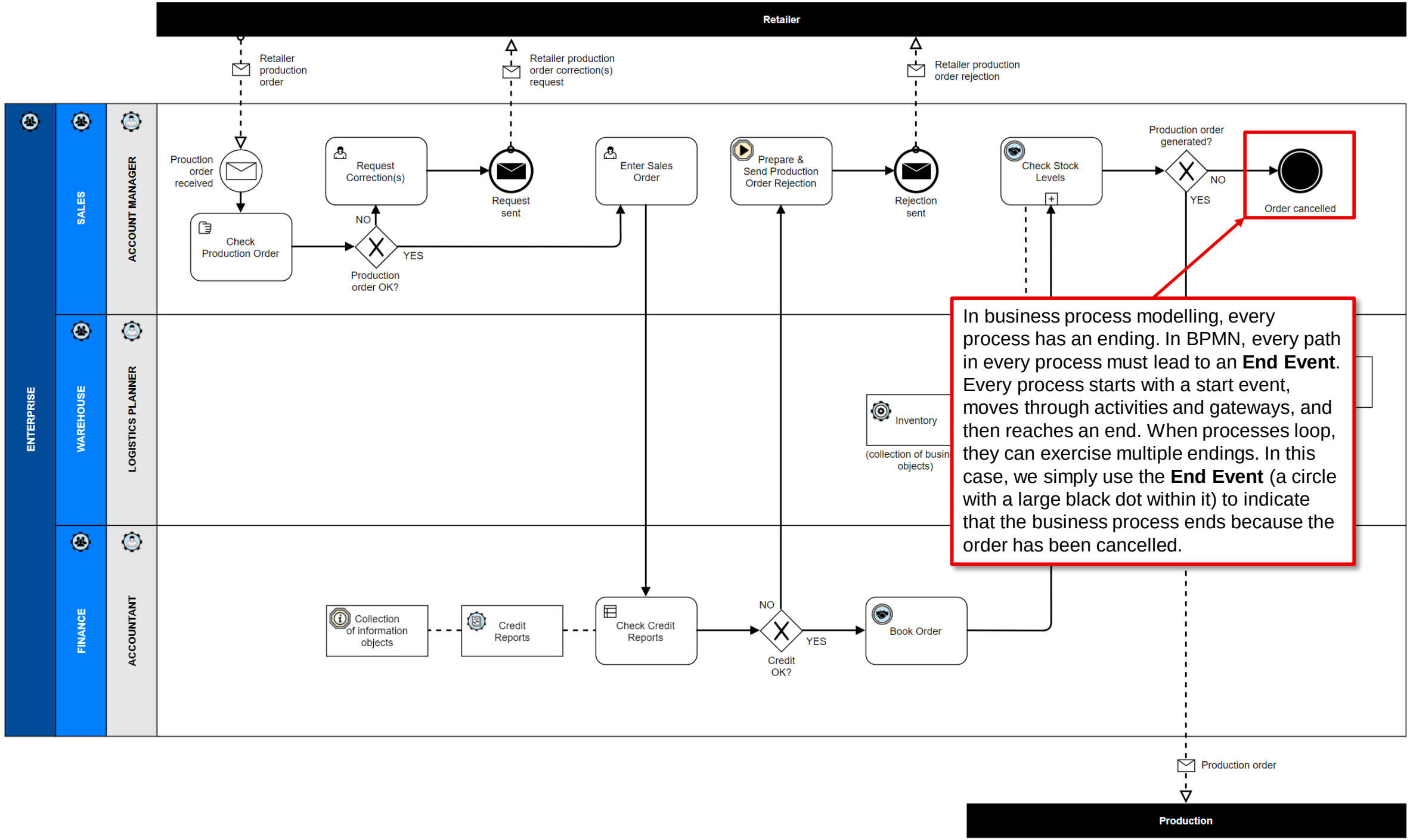
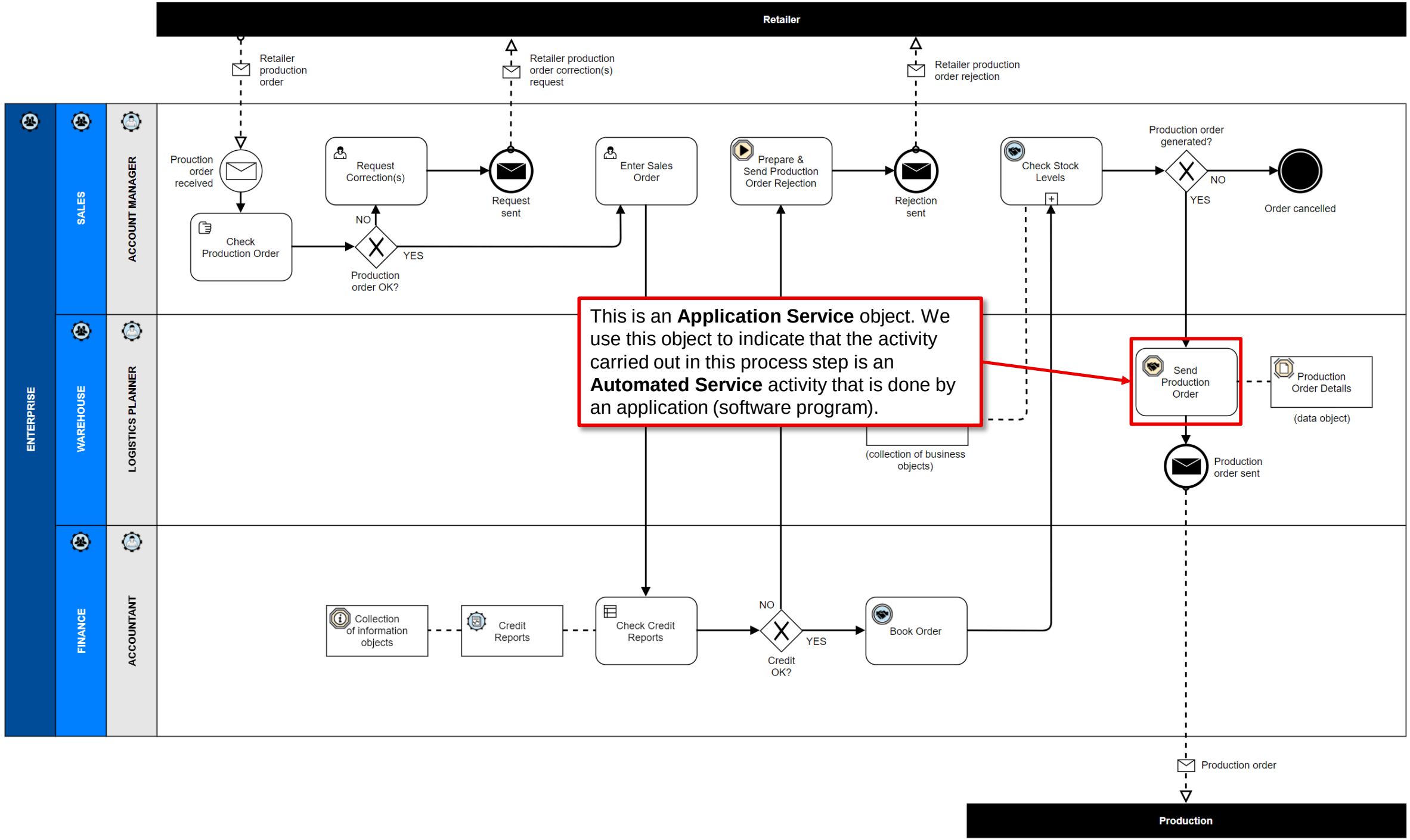
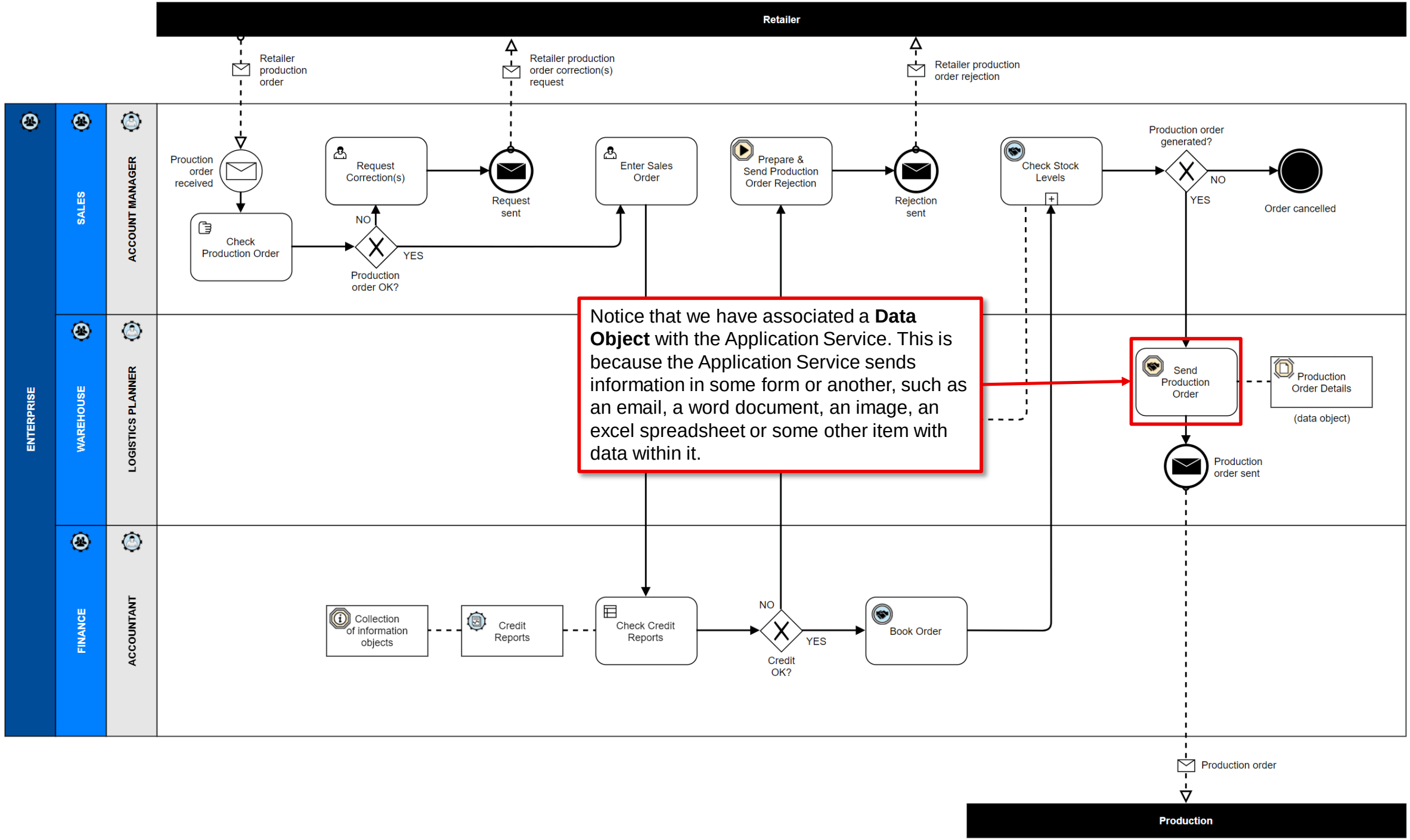
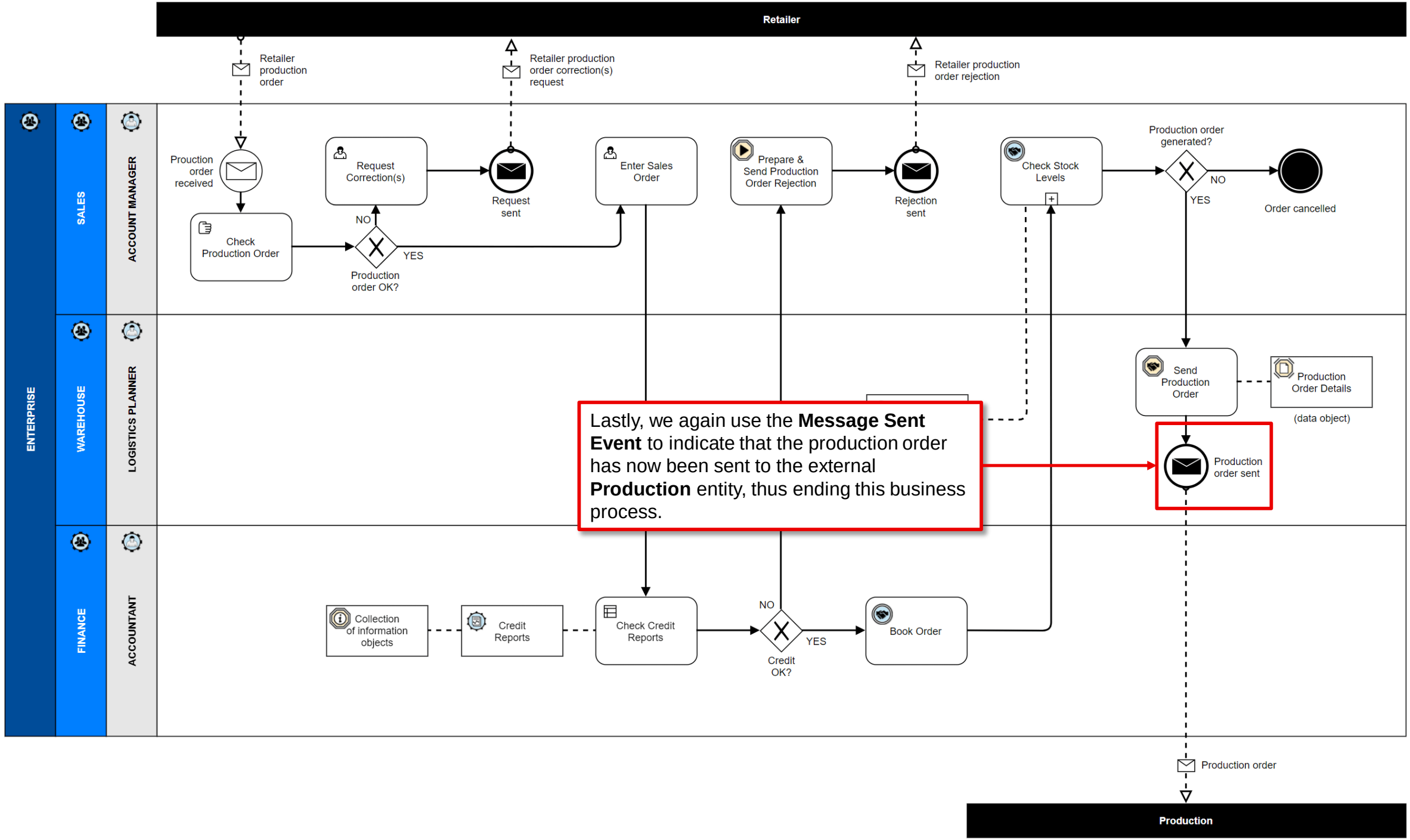
YES
Order cancelled
This process step contains a Manual Service object. It is an indicator that shows that someone (in this case the Accountant) books an order for the retailer if the credit reports are OK.
Inventory
(collection of business objects)
Send Production Order
Production Order Details
(data object)
Production order sent
Collection of information objects
Credit Reports
Check Credit Reports
NO
Credit OK?
YES
Book Order
Production order
Production


Retailer
Retailer production order
Retailer production order correction(s) request
Retailer production order rejection
ENTERPRISE
SALES
ACCOUNT MANAGER
Prouction order received
Check Production Order
Request Correction(s)
NO
Production order OK?
YES
Request sent
Enter Sales Order
Prepare & Send Production Order Rejection
Rejection sent
Check Stock Levels
Production order generated?
NO
YES
Order cancelled
WAREHOUSE
LOGISTICS PLANNER
Send Production Order
Production Order Details
(data object)
Production order sent
FINANCE
ACCOUNTANT
Collection of information objects
Credit Reports
Check Credit Reports
NO
Credit OK?
YES
Book Order
This is an Application Task object. We use this object to indicate that the activity carried out in this process step is an Automated Task activity that is done by an application (software program).
In this example, if the reports checked previously are OK, then the stock levels in the Warehouse department are being checked to see if there are enough materials and/or products to send for production.
Production order
Production


Retailer
Retailer production order
Retailer production order correction(s) request
Retailer production order rejection
ENTERPRISE
SALES
WAREHOUSE
FINANCE
ACCOUNT MANAGER
LOGISTICS PLANNER
ACCOUNTANT
Prouction order received
Check Production Order
Request Correction(s)
NO
YES
Production order OK?
Request sent
Enter Sales Order
Prepare & Send Production Order Rejection
Rejection sent
Check Stock Levels
Production order generated?
NO
YES
Order cancelled
Inventory
(collection of busin
objects)
Collection of information objects
Credit Reports
Check Credit Reports
NO
YES
Credit OK?
Book Order
In business process modelling, every process has an ending. In BPMN, every path in every process must lead to an End Event. Every process starts with a start event, moves through activities and gateways, and then reaches an end. When processes loop, they can exercise multiple endings. In this case, we simply use the End Event (a circle with a large black dot within it) to indicate that the business process ends because the order has been cancelled.
Production order
Production

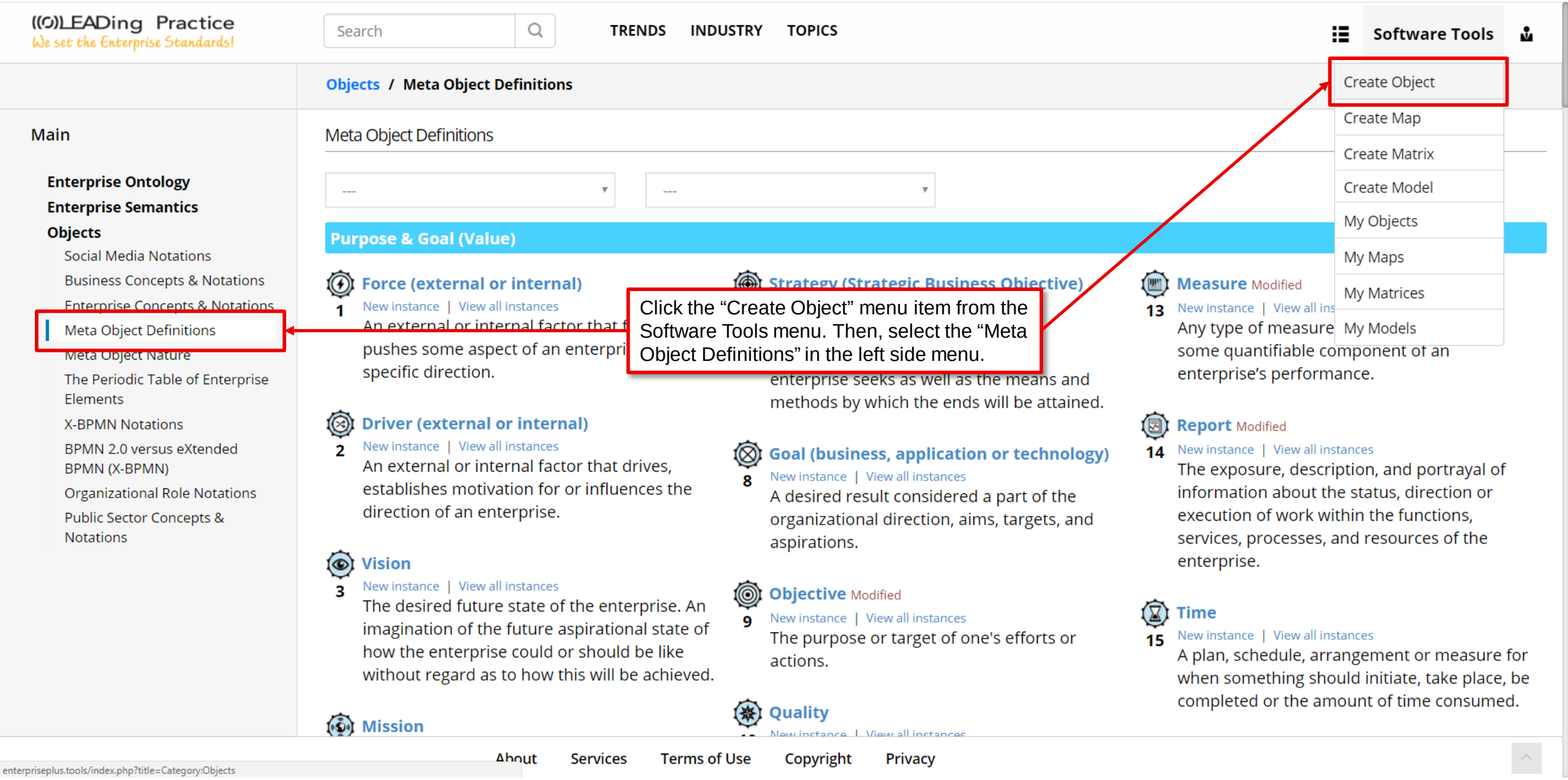

Retailer
Retailer production order
Retailer production order correction(s) request
Retailer production order rejection
ENTERPRISE
SALES
ACCOUNT MANAGER
WAREHOUSE
LOGISTICS PLANNER
FINANCE
ACCOUNTANT
Prouction order received
Check Production Order
Request Correction(s)
NO
YES
Production order OK?
Request sent
Enter Sales Order
Prepare & Send Production Order Rejection
Rejection sent
Check Stock Levels
Production order generated?
NO
YES
Order cancelled
This is an Application Service object. We use this object to indicate that the activity carried out in this process step is an Automated Service activity that is done by an application (software program).
(collection of business objects)
Send Production Order
Production Order Details
(data object)
Production order sent
Collection of information objects
Credit Reports
Check Credit Reports
NO
YES
Credit OK?
Book Order
Production order
Production


Retailer
Retailer production order
Retailer production order correction(s) request
Retailer production order rejection
ENTERPRISE
SALES
ACCOUNT MANAGER
WAREHOUSE
LOGISTICS PLANNER
FINANCE
ACCOUNTANT
Prouction order received
Check Production Order
Request Correction(s)
NO
YES
Production order OK?
Request sent
Enter Sales Order
Prepare & Send Production Order Rejection
Rejection sent
Check Stock Levels
Production order generated?
NO
YES
Order cancelled
Notice that we have associated a Data Object with the Application Service. This is because the Application Service sends information in some form or another, such as an email, a word document, an image, an excel spreadsheet or some other item with data within it.
Send Production Order
Production Order Details
(data object)
Production order sent
Collection of information objects
Credit Reports
Check Credit Reports
NO
YES
Credit OK?
Book Order
Production order
Production


Retailer
Retailer production order
Retailer production order correction(s) request
Retailer production order rejection
ENTERPRISE
SALES
ACCOUNT MANAGER
WAREHOUSE
LOGISTICS PLANNER
FINANCE
ACCOUNTANT
Prouction order received
Check Production Order
Request Correction(s)
NO
YES
Production order OK?
Request sent
Enter Sales Order
Prepare & Send Production Order Rejection
Rejection sent
Check Stock Levels
Production order generated?
NO
YES
Order cancelled
Send Production Order
Production Order Details
(data object)
Production order sent
Lastly, we again use the Message Sent Event to indicate that the production order has now been sent to the external Production entity, thus ending this business process.
Collection of information objects
Credit Reports
Check Credit Reports
NO
YES
Credit OK?
Book Order
Production order
Production

Before you begin modelling, you should take some time to create your objects first.

We only need to create a few, customized meta objects for this business process exercise.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Meta Object Definitions
Purpose & Goal (Value)
Force (external or internal)
1
New instance | View all instances
pushes some aspect of an enterpri
specific direction.
Driver (external or internal)
2
New instance | View all instances
An external or internal factor that drives, establishes motivation for or influences the direction of an enterprise.
Vision
3
New instance | View all instances
The desired future state of the enterprise. An imagination of the future aspirational state of how the enterprise could or should be like without regard as to how this will be achieved.
Mission
Strategy (Strategic Business Objective)
enterprise seeks as well as the means and methods by which the ends will be attained.
Goal (business, application or technology)
8
New instance | View all instances
A desired result considered a part of the organizational direction, aims, targets, and aspirations.
Objective Modified
9
New instance | View all instances
The purpose or target of one's efforts or actions.
Quality
Measure Modified
13
New instance | View all ins
Any type of measure
some quantifiable component of an enterprise's performance.
Report Modified
14
New instance | View all instances
The exposure, description, and portrayal of information about the status, direction or execution of work within the functions, services, processes, and resources of the enterprise.
Time
15
New instance | View all instances
A plan, schedule, arrangement or measure for when something should initiate, take place, be completed or the amount of time consumed.
Click the "Create Object" menu item from the Software Tools menu. Then, select the "Meta Object Definitions" in the left side menu.
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  - Public Sector Concepts & Notations

Meta Object Definitions

Purpose & Goal (Value)

Force (external or internal)
1
New instance | View all instances
An external or internal factor that forc
pushes some aspect of an enterprise
specific direction.

Driver (external or internal)
2
New instance | View all instances
An external or internal factor that driv
establishes motivation for or influence
direction of an enterprise.

Vision
3
New instance | View all instances
The desired future state of the enterprise. An imagination of the future aspirational state of how the enterprise could or should be like without regard as to how this will be achieved.

Mission

Strategy (Strategic Business Objective)
and
ined.
logy)
e
and

Objective Modified
9
New instance | View all instances
The purpose or target of one's efforts or actions.

Quality
New instance | View all instances

Measure Modified
13
New instance | View all instances
Any type of measurement used to gauge some quantifiable component of an enterprise's performance.

Report Modified
14
New instance | View all instances
The exposure, description, and portrayal of information about the status, direction or execution of work within the functions, services, processes, and resources of the enterprise.

Time
15
New instance | View all instances
A plan, schedule, arrangement or measure for when something should initiate, take place, be completed or the amount of time consumed.

This will take you to this page where all the meta objects are located within the 8 different sublayers:

1. Purpose & Goal
2. Business Competency
3. Business Service
4. Business Process
5. Application
6. Data
7. Platform; and
8. Infrastructure

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Business Competency

Organization Modified
18 New instance | View all instances
An arrangement or formation of resources that has a set of collective goals

Enterprise Capability
19 New instance | View all instances
A enterprise capability is an abstraction t represents the ability to perform a partic skillset i.e. organizational competencies, personal competencies, business functio processes, services, and technology.

Organizational Competency
20 New instance | View all instances
An integrated and holistic set of related knowledge, skills, and abilities related to specific set of resources (including perso and organizations) that - once combined - enables the enterprise to do something well.

Resource
21 New instance | View all instances
A specific person, expertise, data, information, material, machine, land, capital or organization that is required to accomplish an

Role Modified
23 New instance | View all instances
A part that something or someone has the

es to
ve a
role
be

ss of

Product
26 New instance | View all instances
A result and output generated by the enterprise. It has a combination of tangible and intangible attributes (i.e.. features, functions, usage).

Business Compliance
29 New instance | View all instances
The process or tools for verifying adherence to rules and decisions.

Location
30 New instance | View all instances
A point, facility, place or geographic position that may be referred to physically or logically.

Business Channel
31 New instance | View all instances
A means of access or otherwise interacting within an enterprise or between an enterprise and its external partners (i.e.. customers, vendors, suppliers, etc.).

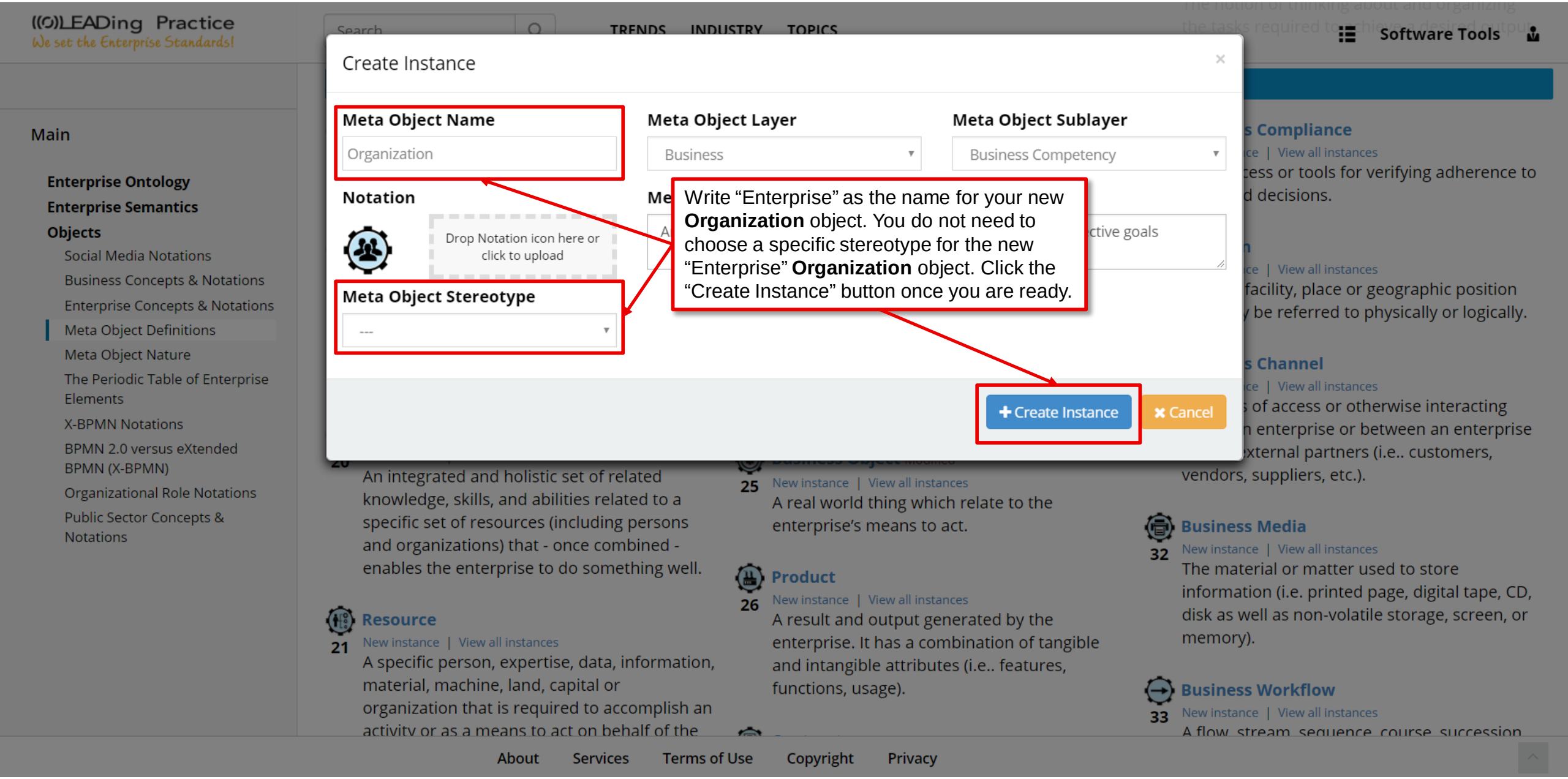
Business Media
32 New instance | View all instances
The material or matter used to store information (i.e. printed page, digital tape, CD, disk as well as non-volatile storage, screen, or memory).

Business Workflow
New instance | View all instances

Under the “Business Competency” sublayer, click the “New instance” to create a new **Organization** object.

The red text “Modified” indicates that we (on this user account only) have already created 1 or more or our own, custom **Organization** objects.

If you click on the “View all instances” link, you will be taken to a page where all of your previously created **Organization** objects are shown in an object list. This makes it easy to find all of your specific class type objects.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Create Instance
Meta Object Name
Organization
Meta Object Layer
Business
Meta Object Sublayer
Business Competency
Notation
Drop Notation icon here or click to upload
Meta Object Stereotype

Write “Enterprise” as the name for your new Organization object. You do not need to choose a specific stereotype for the new “Enterprise” Organization object. Click the “Create Instance” button once you are ready.
+ Create Instance
✖ Cancel
An integrated and holistic set of related knowledge, skills, and abilities related to a specific set of resources (including persons and organizations) that - once combined - enables the enterprise to do something well.
Resource
21
New instance | View all instances
A specific person, expertise, data, information, material, machine, land, capital or organization that is required to accomplish an activity or as a means to act on behalf of the
25
New instance | View all instances
A real world thing which relate to the enterprise’s means to act.
Product
26
New instance | View all instances
A result and output generated by the enterprise. It has a combination of tangible and intangible attributes (i.e.. features, functions, usage).
Business Media
32
New instance | View all instances
The material or matter used to store information (i.e. printed page, digital tape, CD, disk as well as non-volatile storage, screen, or memory).
Business Workflow
33
New instance | View all instances
A flow, stream, sequence, course, succession
Compliance
View all instances
cess or tools for verifying adherence to d decisions.
View all instances
facility, place or geographic position be referred to physically or logically.
Channel
View all instances
of access or otherwise interacting enterprise or between an enterprise external partners (i.e.. customers, vendors, suppliers, etc.).
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Business Competency

Organization Modified
18 New instance | View all instances
An arrangement or formation of resources that has a set of collective goals

Enterprise Capability
19 New instance | View all instances
A enterprise capability is an abstraction that represents the ability to perform a particular skillset i.e. organizational competencies, personal competencies, business function, processes, services, and technology.

Organizational Competency
20 New instance | View all instances
An integrated and holistic set of related knowledge, skills, and abilities related to a specific set of resources (including persons and organizations) that - once combined - enables the enterprise to do something well.

Resource
21 New instance | View all instances
A specific person, expertise, data, information, material, machine, land, capital or organization that is required to accomplish an

Role Modified
23 New instance | View all instances
A part that something or someone has the
assigned the same role.

Organizational Function Modified
24 New instance | View all instances
A cluster of tasks performing a specific class of jobs.

Business Object Modified
25 New instance | View all instances
A real world thing which relate to the enterprise's means to act.

Product
26 New instance | View all instances
A result and output generated by the enterprise. It has a combination of tangible and intangible attributes (i.e.. features, functions, usage).

Business Compliance
29 New instance | View all instances
The process or tools for verifying adherence to rules and decisions.

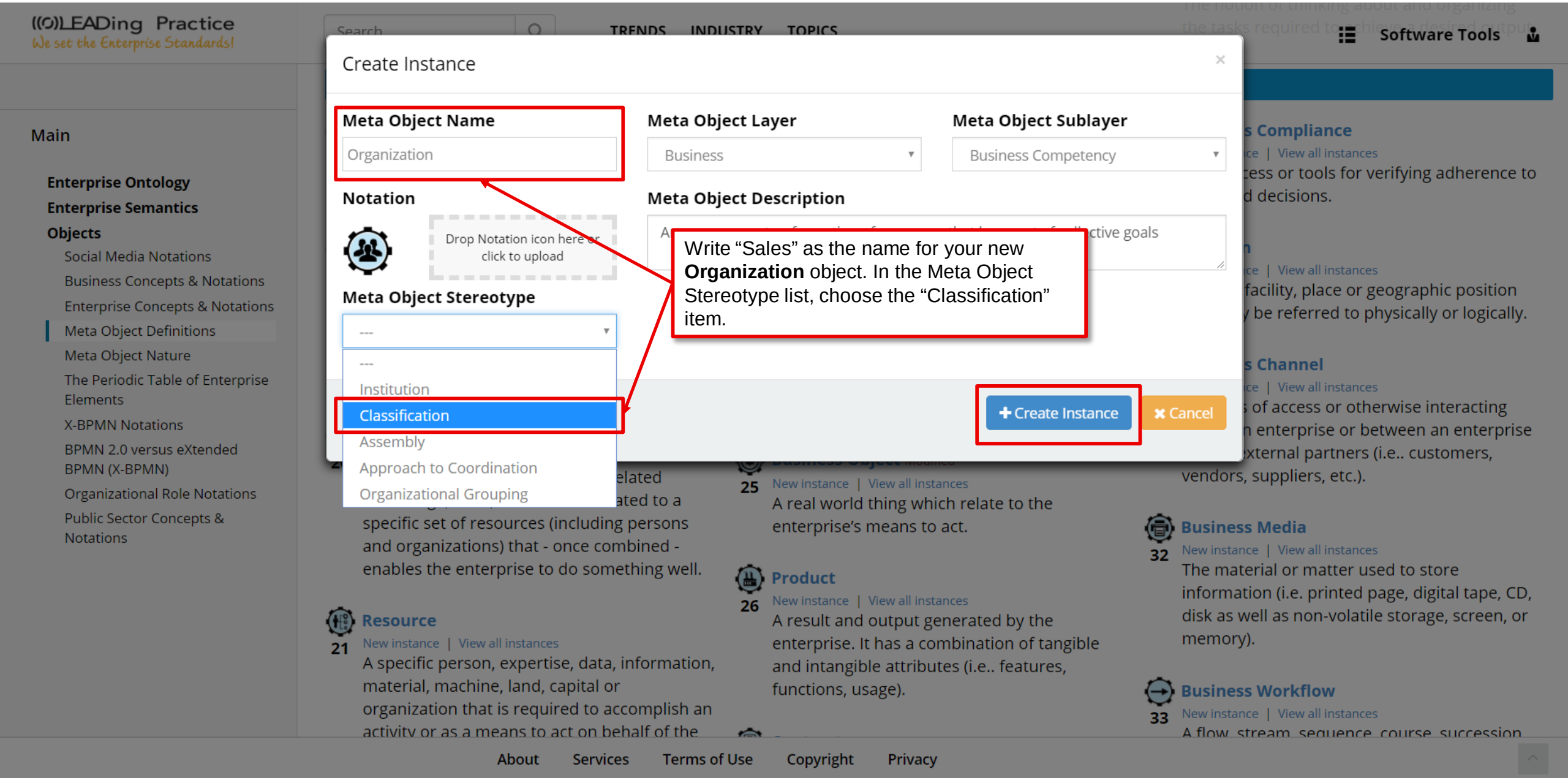
Location
30 New instance | View all instances
A point, facility, place or geographic position that may be referred to physically or logically.

Business Channel
31 New instance | View all instances
A means of access or otherwise interacting within an enterprise or between an enterprise and its external partners (i.e.. customers, vendors, suppliers, etc.).

Business Media
32 New instance | View all instances
The material or matter used to store information (i.e. printed page, digital tape, CD, disk as well as non-volatile storage, screen, or memory).

Business Workflow

Again, under the "Business Competency" sublayer, click the "New instance" to create a new **Organization** object.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Create Instance
Meta Object Name
Organization
Meta Object Layer
Business
Meta Object Sublayer
Business Competency
Notation
Drop Notation icon here or click to upload
Meta Object Description
Meta Object Stereotype

Institution
Classification
Assembly
Approach to Coordination
Organizational Grouping
Write “Sales” as the name for your new Organization object. In the Meta Object Stereotype list, choose the “Classification” item.
+ Create Instance
✖ Cancel
Resource
21
New instance | View all instances
A specific person, expertise, data, information, material, machine, land, capital or organization that is required to accomplish an activity or as a means to act on behalf of the
25
New instance | View all instances
A real world thing which relate to the enterprise’s means to act.
Product
26
New instance | View all instances
A result and output generated by the enterprise. It has a combination of tangible and intangible attributes (i.e.. features, functions, usage).
Business Media
32
New instance | View all instances
The material or matter used to store information (i.e. printed page, digital tape, CD, disk as well as non-volatile storage, screen, or memory).
Business Workflow
33
New instance | View all instances
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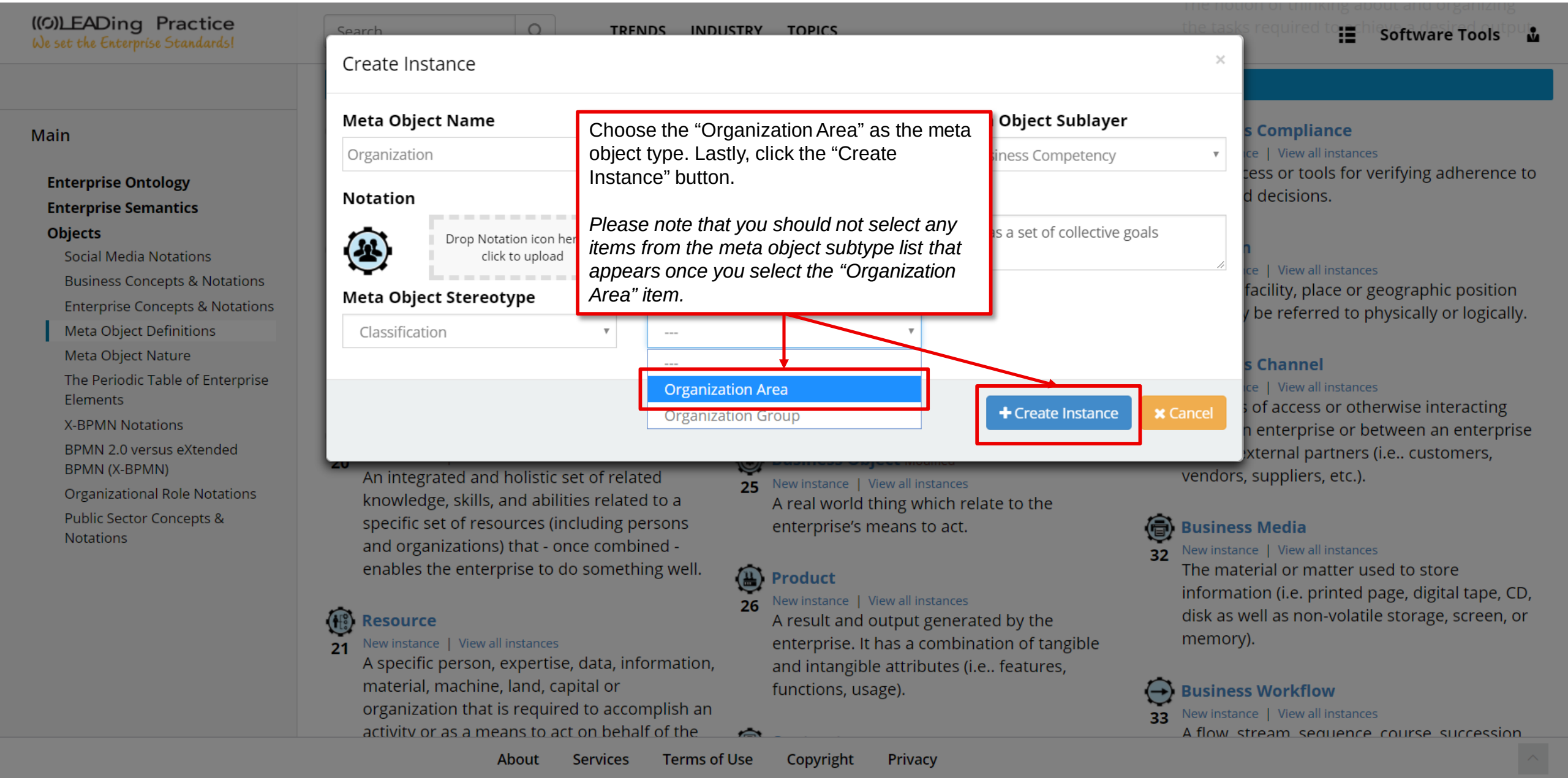
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Create Instance
Meta Object Name
Organization
Object Sublayer
Business Competency
Notation
Drop Notation icon here
click to upload
Meta Object Stereotype
Classification

Organization Area
Organization Group
Create Instance
Cancel
Choose the “Organization Area” as the meta object type. Lastly, click the “Create Instance” button.
Please note that you should not select any items from the meta object subtype list that appears once you select the “Organization Area” item.
An integrated and holistic set of related knowledge, skills, and abilities related to a specific set of resources (including persons and organizations) that - once combined - enables the enterprise to do something well.
Resource
21
New instance | View all instances
A specific person, expertise, data, information, material, machine, land, capital or organization that is required to accomplish an activity or as a means to act on behalf of the
25
New instance | View all instances
A real world thing which relate to the enterprise’s means to act.
Product
26
New instance | View all instances
A result and output generated by the enterprise. It has a combination of tangible and intangible attributes (i.e.. features, functions, usage).
Business Media
32
New instance | View all instances
The material or matter used to store information (i.e. printed page, digital tape, CD, disk as well as non-volatile storage, screen, or memory).
Business Workflow
33
New instance | View all instances
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Business Competency

Organization Modified
18 New instance | View all instances
An arrangement or formation of resources that has a set of collective goals

Enterprise Capability
19 New instance | View all instances
A enterprise capability is an abstraction t represents the ability to perform a partic skillset i.e. organizational competencies, personal competencies, business functio processes, services, and technology.

Organizational Competency
20 New instance | View all instances
An integrated and holistic set of related knowledge, skills, and abilities related to a specific set of resources (including persons and organizations) that - once combined - enables the enterprise to do something well.

Resource
21 New instance | View all instances
A specific person, expertise, data, information, material, machine, land, capital or organization that is required to accomplish an

Role Modified
23 New instance | View all instances
A part that something or someone has the es to ve a role be ss of jobs.

Business Object Modified
25 New instance | View all instances
A real world thing which relate to the enterprise's means to act.

Product
26 New instance | View all instances
A result and output generated by the enterprise. It has a combination of tangible and intangible attributes (i.e.. features, functions, usage).

Business Compliance
29 New instance | View all instances
The process or tools for verifying adherence to rules and decisions.

Location
30 New instance | View all instances
A point, facility, place or geographic position that may be referred to physically or logically.

Business Channel
31 New instance | View all instances
A means of access or otherwise interacting within an enterprise or between an enterprise and its external partners (i.e.. customers, vendors, suppliers, etc.).

Business Media
32 New instance | View all instances
The material or matter used to store information (i.e. printed page, digital tape, CD, disk as well as non-volatile storage, screen, or memory).

Business Workflow
New instance | View all instances

Repeat the previous process of creating the last 2 Organization objects:
- Warehouse; and
- Finance.

They too should be classified as Organization Area object types – similar to the previously generated **Sales** object.

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Business Competency

Now that you know the process of creating your own, custom meta objects, you may now proceed with creating the remaining objects that we are going to use for our example Retailer Production Order business process model.

The objects that you should create next are the following:

- **Report** (call the object "Credit Reports")
- **Business Object** (call the object "Inventory (Collection of Business Objects)")
- **Role** (call the object "Account Manager")
- **Role** (call the object "Logistics Planner")
- **Role** (call the object "Accountant")
- **Business Service** (call the object "Book Order")
- **Business Service** (call the object "Check Stock Levels")
- **Application Task** (call the object "Prepare & Send Production Order Rejection")
- **Application Service** (call the object "Send Production Order")
- **Information Object** (call the object "Collection of Information Objects")
- **Data Object** (call the object "Production Order Details")

Please note that you do not need to select any specific meta object stereotypes, types or subtypes for the objects listed above. You simply just give them a custom name and create them.

18 **Organization**
New instance | View all instances
An arrangemer
that has a set o

19 **Enterprise Cap**
New instance | View all instances
A enterprise ca
represents the
skillset i.e. orga
personal comp
processes, serv

20 **Organizationa**
New instance | View all instances
An integrated a
knowledge, skil
specific set of r
and organizatio
enables the ent

21 **Resource**
New instance | View all instances
A specific person, expertise, data, information, material, machine, land, capital or organization that is required to accomplish an

26
New instance | View all instances
A result and output generated by the enterprise. It has a combination of tangible and intangible attributes (i.e.. features, functions, usage).

ss Compliance
nce | View all instances
cess or tools for verifying adherence
and decisions.

n
nce | View all instances
facility, place or geographic position
y be referred to physically or logically.

ss Channel
nce | View all instances
s of access or otherwise interacting
n enterprise or between an enterprise
external partners (i.e.. customers,
, suppliers, etc.).

ss Media
nce | View all instances
terial or matter used to store
tion (i.e. printed page, digital tape, CD, disk as well as non-volatile storage, screen, or memory).

Business Workflow

Main

Enterprise Ontology
Enterprise Semantics
Objects
- Social Media Notations
- Business Concepts & Notations
- Enterprise Concepts & Notations
- Meta Object Definitions
- Meta Object Nature
- The Periodic Table of Enterprise Elements
- X-BPMN Notations
- BPMN 2.0 versus eXtended BPMN (X-BPMN)
- Organizational Role Notations
- Public Sector Concepts & Notations

Business Competency

Organization Modified
18 New instance | View all instances
An arrangement or formation of resources that has a set of collective goals

Enterprise Capability
19 New instance | View all instances
A enterprise capability is an abstra represents the ability to perform a particular skillset i.e. organizational competencies, personal competencies, business function, processes, services, and technology.

Organizational Competency
20 New instance | View all instances
An integrated and holistic set of related knowledge, skills, and abilities related to a specific set of resources (including persons and organizations) that - once combined - enables the enterprise to do something well.

Resource
21 New instance | View all instances
A specific person, expertise, data, information, material, machine, land, capital or

Role Modified
23 New instance | View all instances
A part that something or someone has the rights, rules, competencies, and capabilities to perform. A resource and/ or actor may have a number of roles i.e. process role, service role may be

Organizational Function Modified
24 New instance | View all instances
A cluster of tasks performing a specific class of jobs.

Business Object Modified
25 New instance | View all instances
A real world thing which relate to the enterprise's means to act.

Product
26 New instance | View all instances
A result and output generated by the enterprise. It has a combination of tangible and intangible attributes (i.e.. features, functions, usage).

Business Compliand
29 New instance | View all ins
The process or tools to rules and decisi

Location
30 New instance | View all ins
A point, facility, place that may be referred

Business Channel
31 New instance | View all instances
A means of access or otherwise interacting within an enterprise or between an enterprise and its external partners (i.e.. customers, vendors, suppliers, etc.).

Business Media
32 New instance | View all instances
The material or matter used to store information (i.e. printed page, digital tape, CD, disk as well as non-volatile storage, screen, or memory).

Business Workflow

You should now visit the "My Objects" page.

Tools
My Objects
My Maps
My Models
My Matrices

The “My Objects” page shows a detailed list of all of your created meta objects. Here, you can double check if you have created all the objects that you need as well as modify them if you wish to give an object a new name, or a specific stereotype, type or subtype classification.

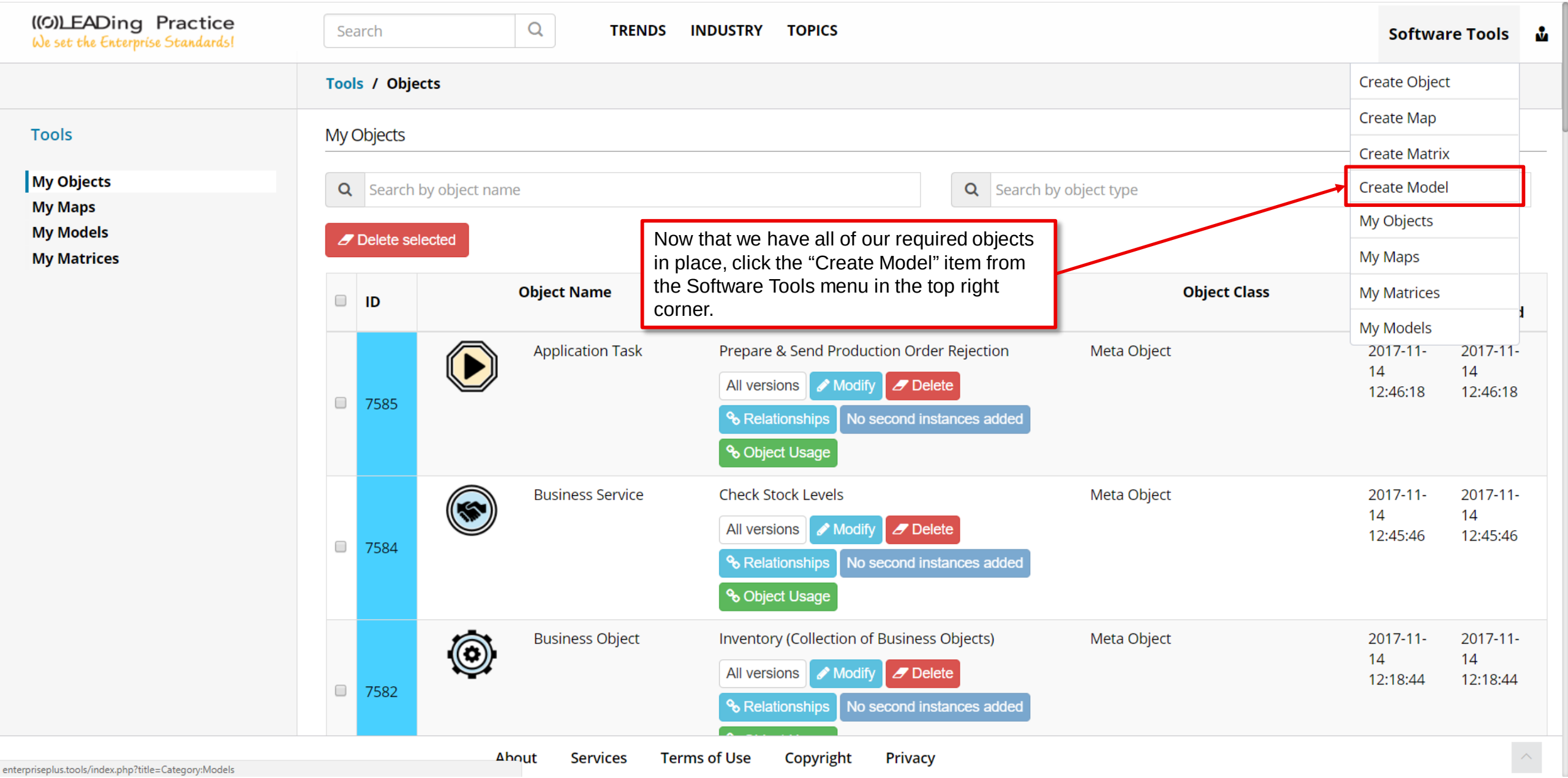
My Objects

Search by object name

object type

Delete selected

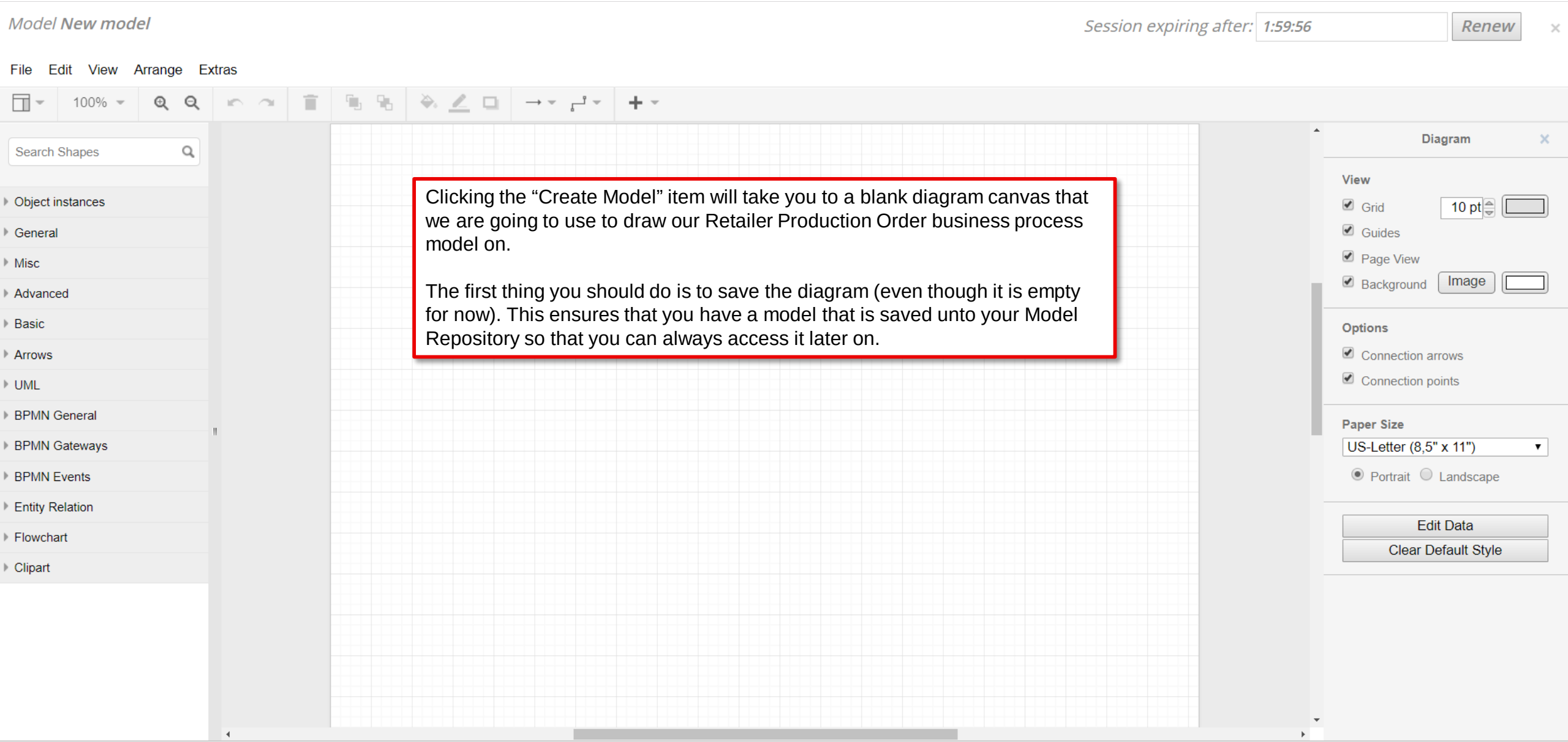
ID	Object Name	Custom Name	Object Class	Created	Last Modified
7585	Application Task	Prepare & Send Production Order Rejection All versions Modify Delete Relationships No second instances added Object Usage	Meta Object	2017-11-14 12:46:18	2017-11-14 12:46:18
7584	Business Service	Check Stock Levels All versions Modify Delete Relationships No second instances added Object Usage	Meta Object	2017-11-14 12:45:46	2017-11-14 12:45:46
7582	Business Object	Inventory (Collection of Business Objects) All versions Modify Delete Relationships No second instances added	Meta Object	2017-11-14 12:18:44	2017-11-14 12:18:44

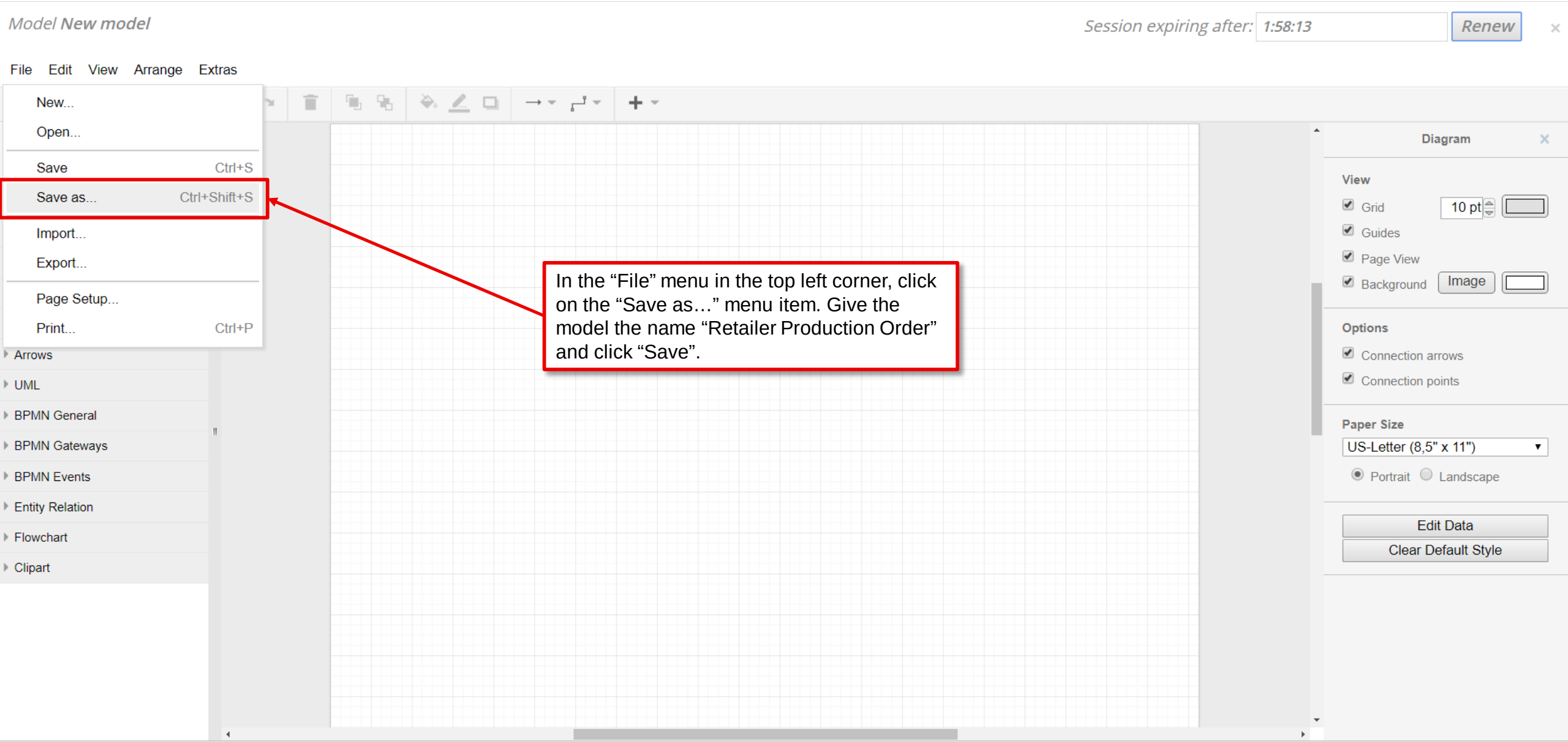

((o))LEADing Practice
We set the Enterprise Standards!
Search
TRENDS
INDUSTRY
TOPICS
Software Tools
Tools / Objects
Create Object
Create Map
Create Matrix
Create Model
My Objects
My Maps
My Models
My Matrices
Tools
My Objects
My Maps
My Models
My Matrices
My Objects
Search by object name
Search by object type
Delete selected
Now that we have all of our required objects in place, click the “Create Model” item from the Software Tools menu in the top right corner.
ID
Object Name
Object Class
7585
Application Task
Prepare & Send Production Order Rejection
All versions
Modify
Delete
Relationships
No second instances added
Object Usage
Meta Object
2017-11-14 12:46:18
2017-11-14 12:46:18
7584
Business Service
Check Stock Levels
All versions
Modify
Delete
Relationships
No second instances added
Object Usage
Meta Object
2017-11-14 12:45:46
2017-11-14 12:45:46
7582
Business Object
Inventory (Collection of Business Objects)
All versions
Modify
Delete
Relationships
No second instances added
Meta Object
2017-11-14 12:18:44
2017-11-14 12:18:44
About
Services
Terms of Use
Copyright
Privacy
enterpriseplus.tools/index.php?title=Category:Models

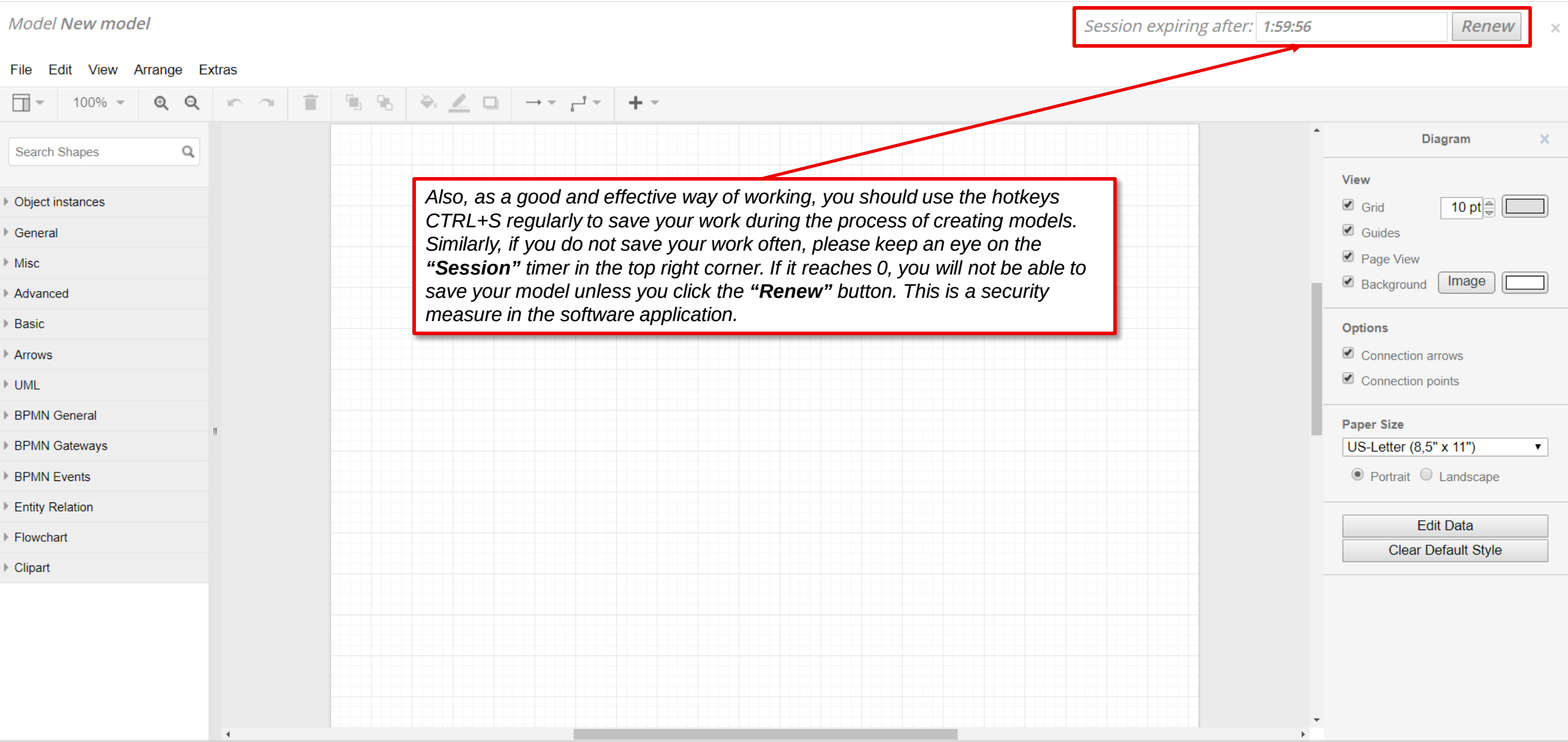
Now we can begin creating the

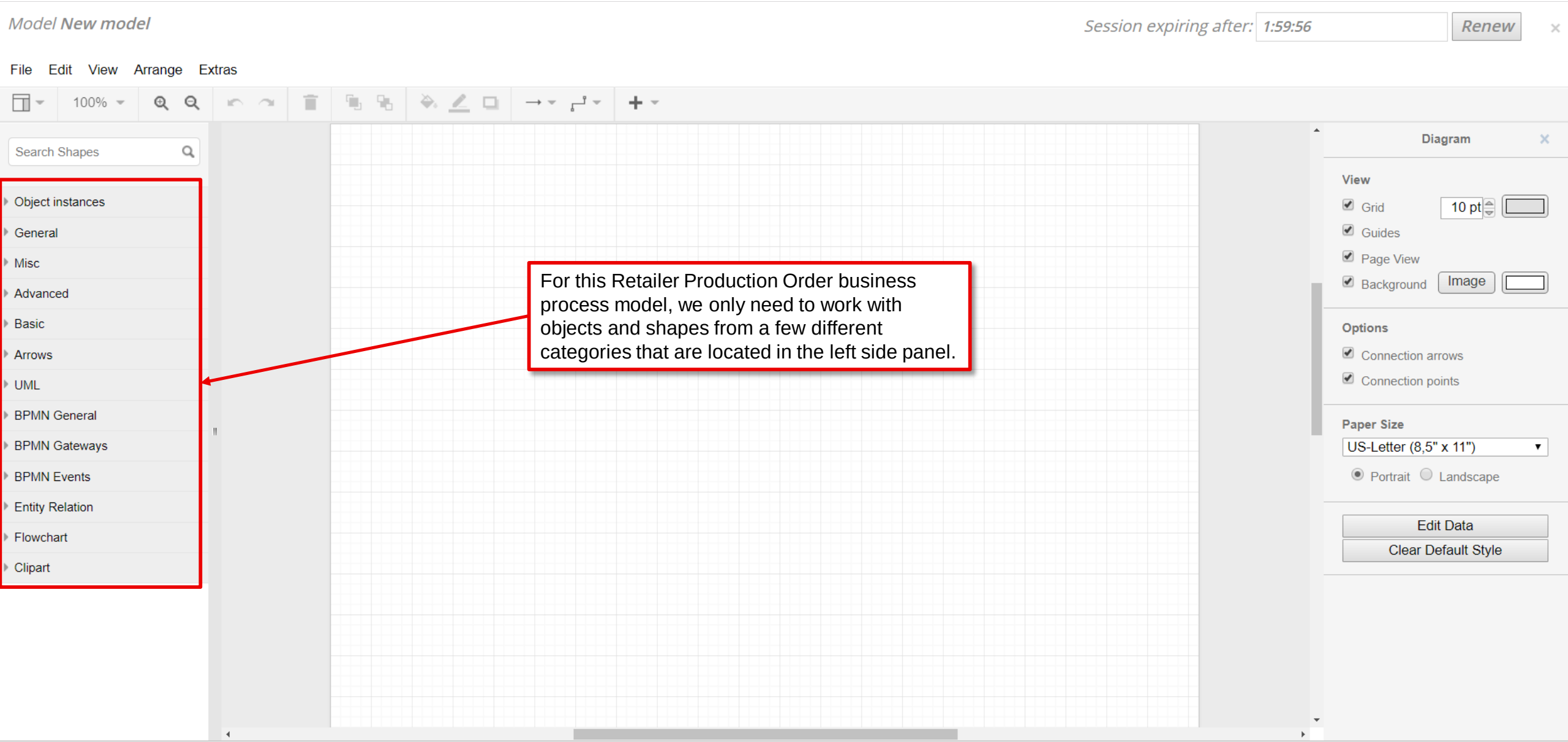
“**Retailer Production Order**”

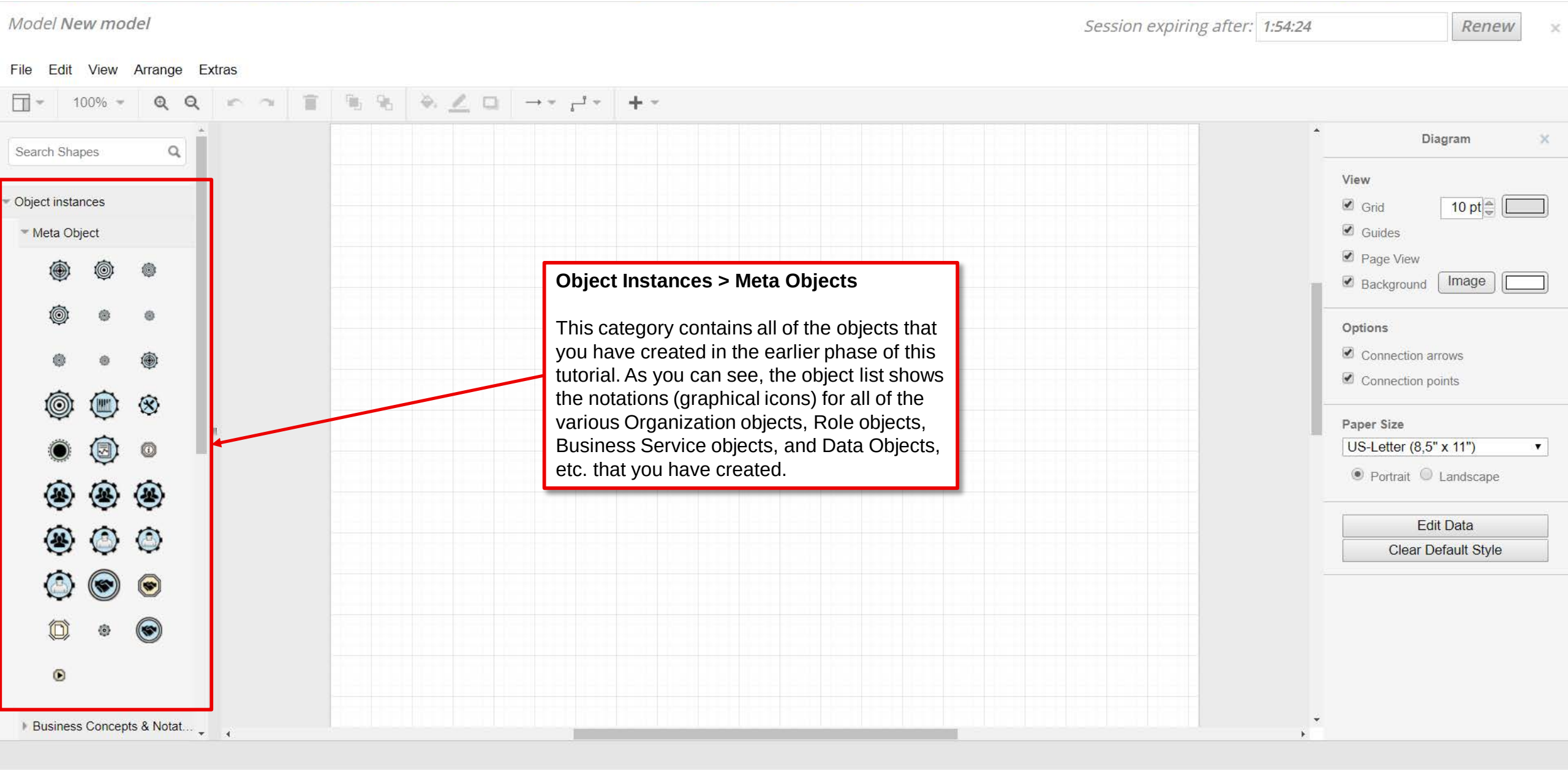
business process model.

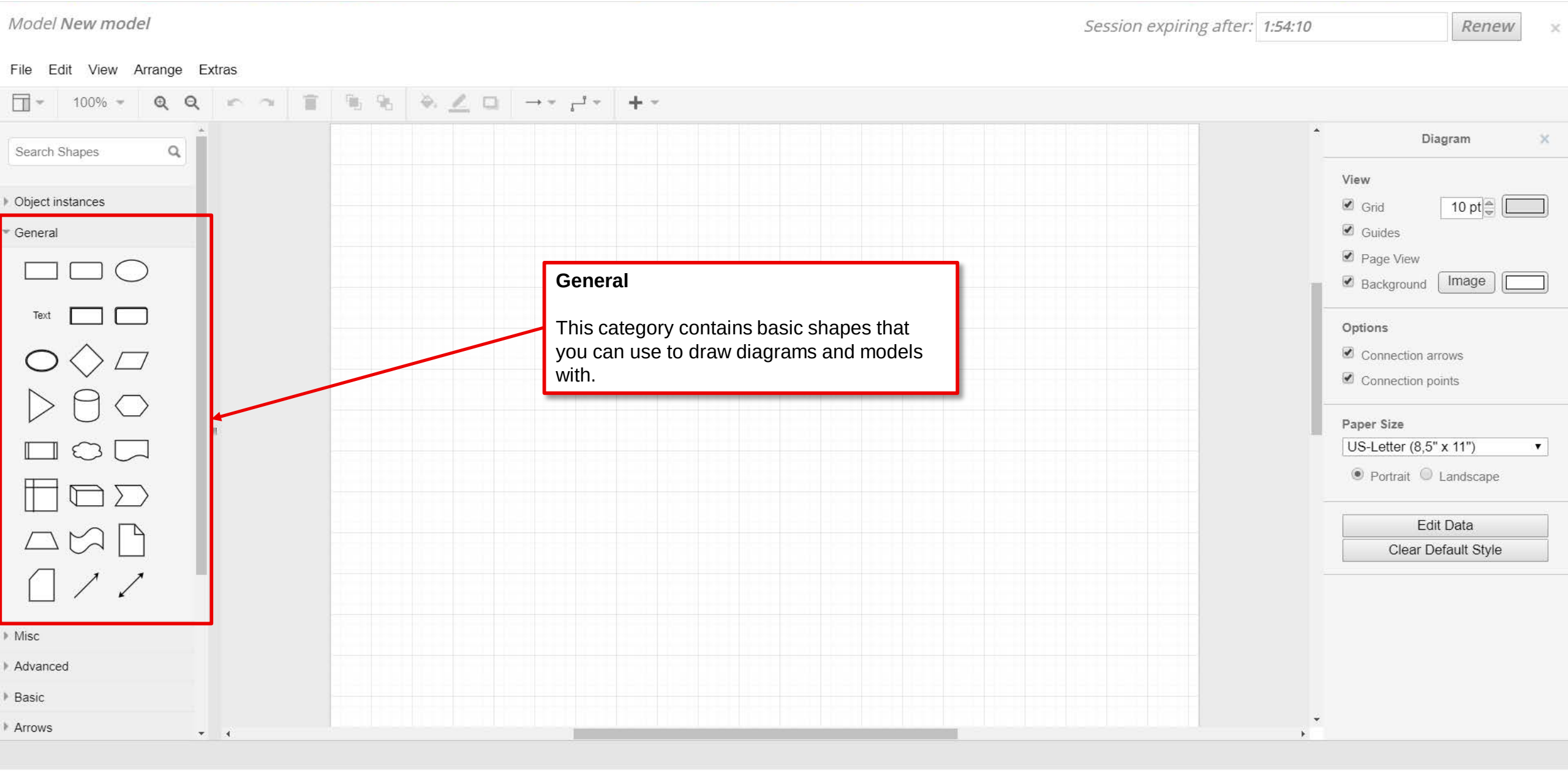

Model New model
Session expiring after: 1:59:56
Renew
File Edit View Arrange Extras
100%
Search Shapes
Object instances
General
Misc
Advanced
Basic
Arrows
UML
BPMN General
BPMN Gateways
BPMN Events
Entity Relation
Flowchart
Clipart
Clicking the “Create Model” item will take you to a blank diagram canvas that we are going to use to draw our Retailer Production Order business process model on.
The first thing you should do is to save the diagram (even though it is empty for now). This ensures that you have a model that is saved unto your Model Repository so that you can always access it later on.
Diagram
View
Grid
10 pt
Guides
Page View
Background
Image
Options
Connection arrows
Connection points
Paper Size
US-Letter (8,5" x 11")
Portrait
Landscape
Edit Data
Clear Default Style

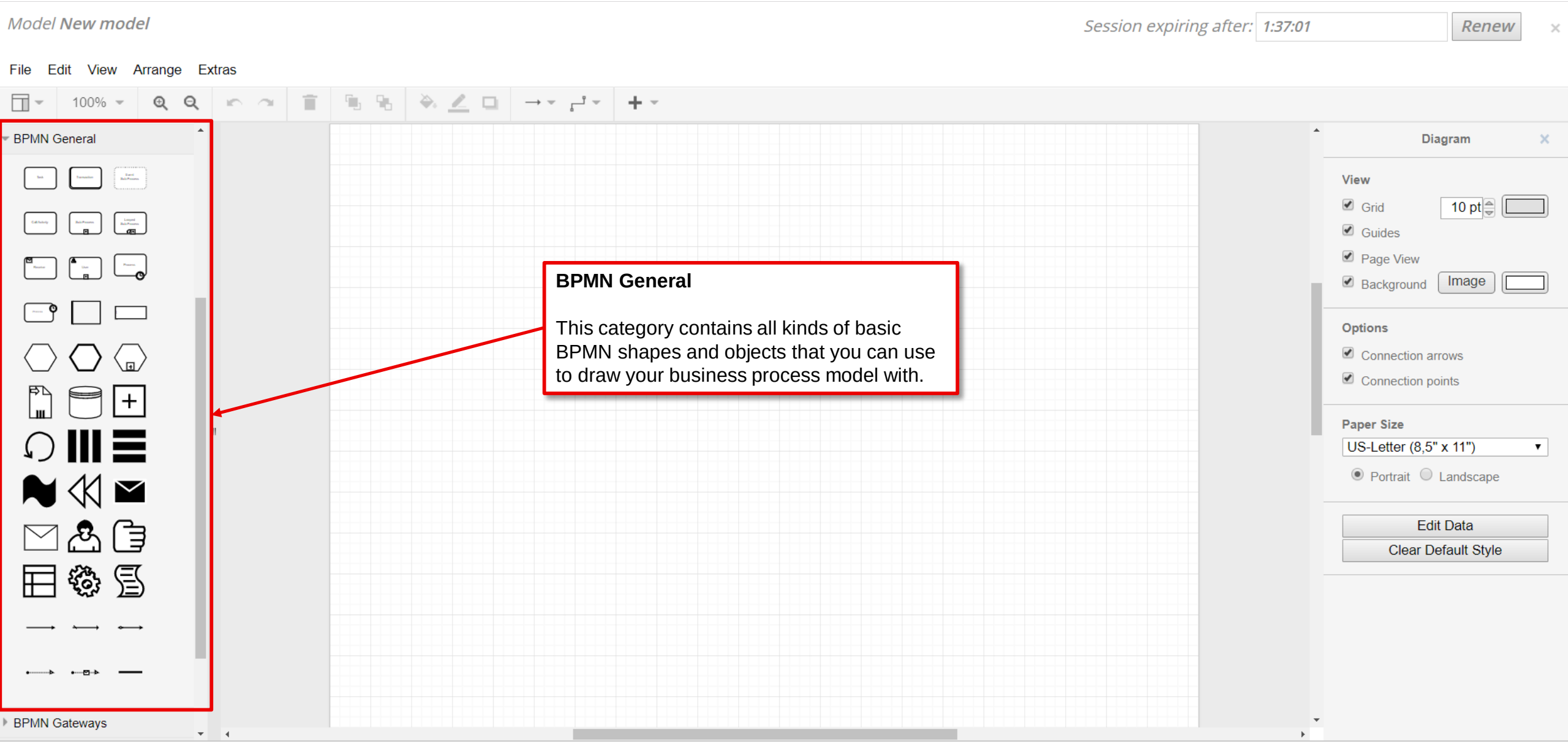

Model New model
Session expiring after: 1:58:13
Renew
File Edit View Arrange Extras
New...
Open...
Save Ctrl+S
Save as... Ctrl+Shift+S
Import...
Export...
Page Setup...
Print... Ctrl+P
Arrows
UML
BPMN General
BPMN Gateways
BPMN Events
Entity Relation
Flowchart
Clipart
In the “File” menu in the top left corner, click on the “Save as…” menu item. Give the model the name “Retailer Production Order” and click “Save”.
Diagram
View
Grid 10 pt
Guides
Page View
Background Image
Options
Connection arrows
Connection points
Paper Size
US-Letter (8,5" x 11")
Portrait Landscape
Edit Data
Clear Default Style

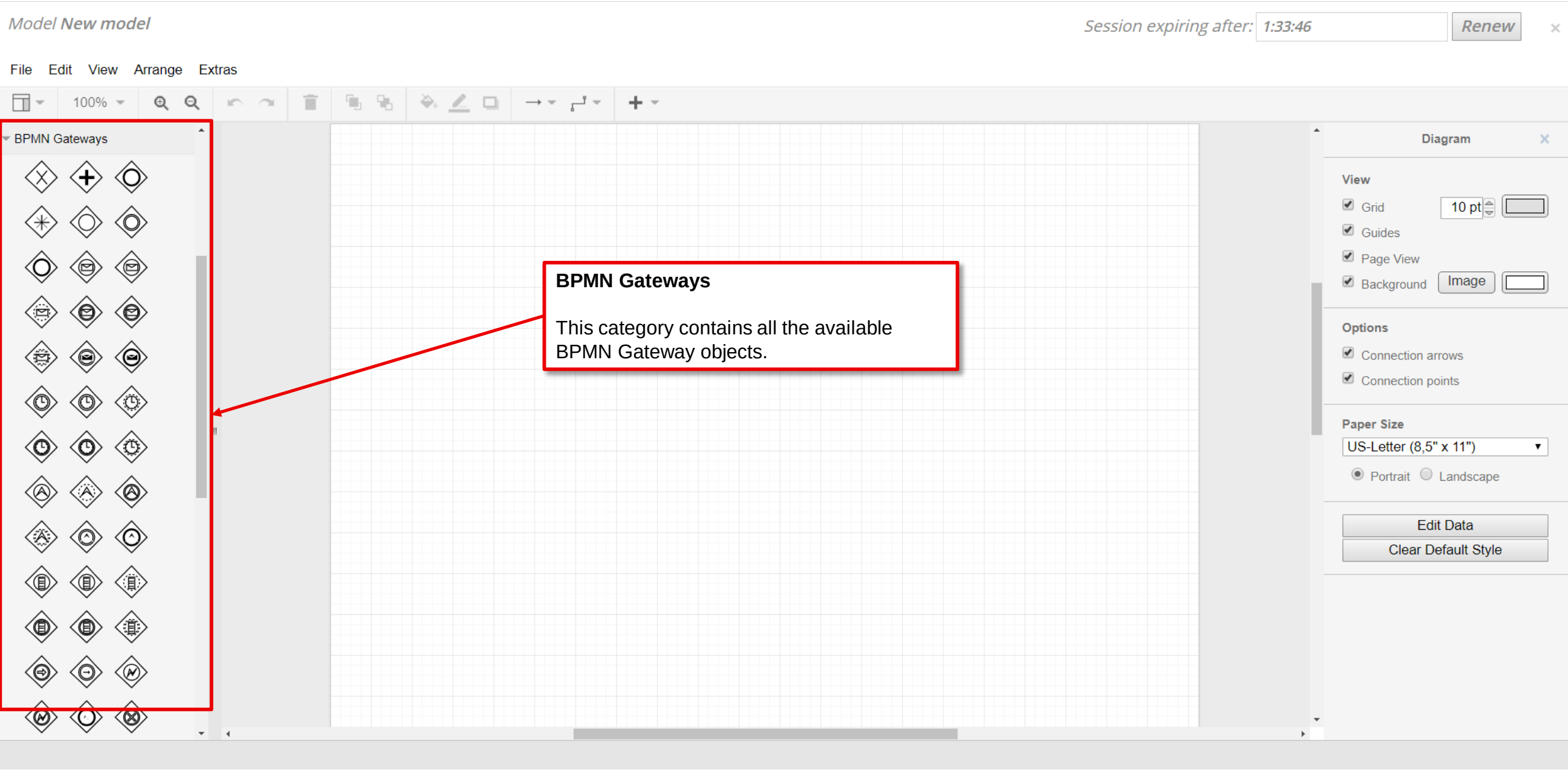

Model New model
Session expiring after: 1:59:56
Renew
File Edit View Arrange Extras
100%
Search Shapes
Object instances
General
Misc
Advanced
Basic
Arrows
UML
BPMN General
BPMN Gateways
BPMN Events
Entity Relation
Flowchart
Clipart
Also, as a good and effective way of working, you should use the hotkeys CTRL+S regularly to save your work during the process of creating models. Similarly, if you do not save your work often, please keep an eye on the "Session" timer in the top right corner. If it reaches 0, you will not be able to save your model unless you click the "Renew" button. This is a security measure in the software application.
Diagram
View
Grid
10 pt
Guides
Page View
Background
Image
Options
Connection arrows
Connection points
Paper Size
US-Letter (8,5" x 11")
Portrait
Landscape
Edit Data
Clear Default Style

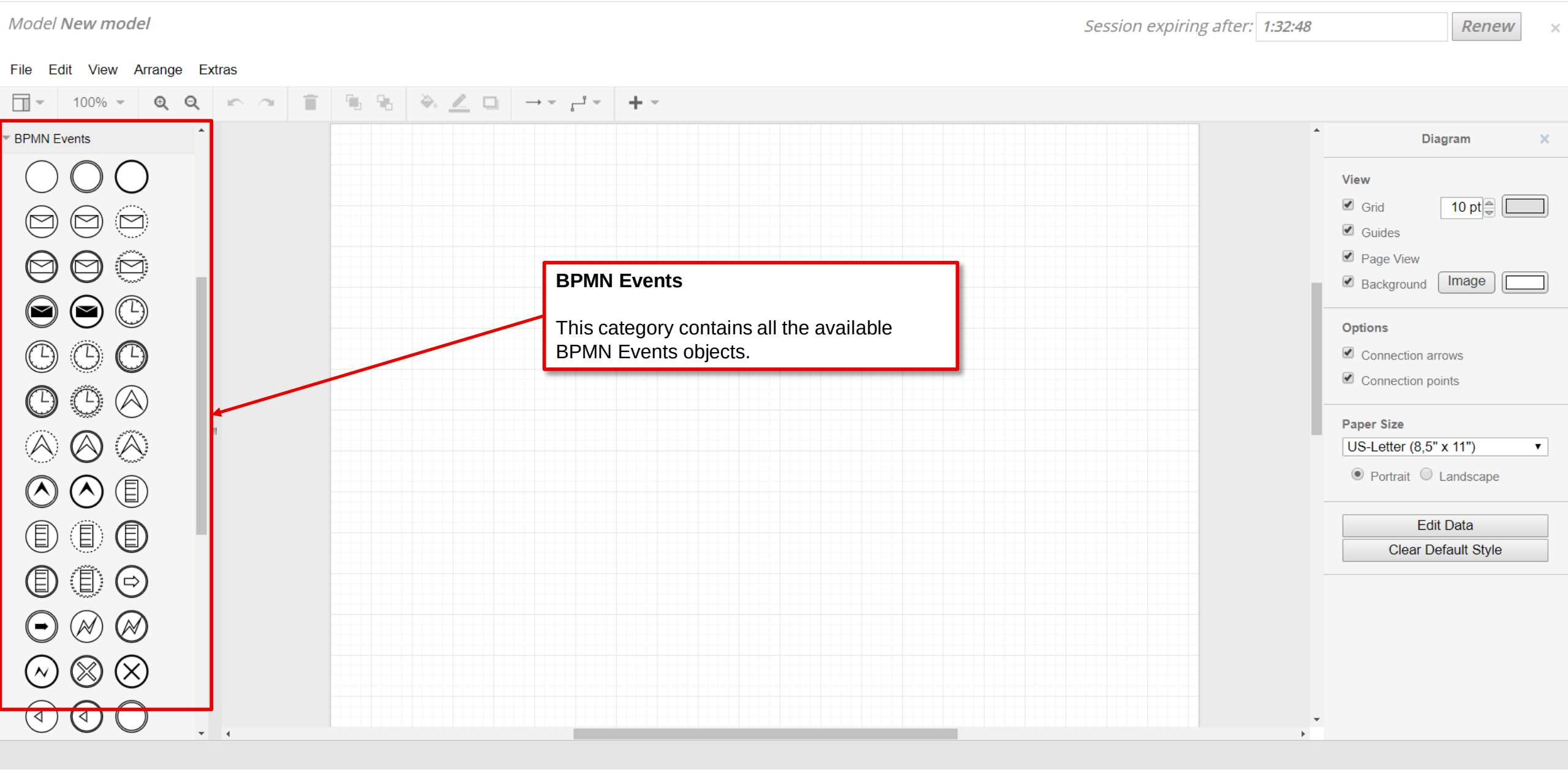

Model New model
Session expiring after: 1:59:56
Renew
File Edit View Arrange Extras
100%
Search Shapes
Object instances
General
Misc
Advanced
Basic
Arrows
UML
BPMN General
BPMN Gateways
BPMN Events
Entity Relation
Flowchart
Clipart
For this Retailer Production Order business process model, we only need to work with objects and shapes from a few different categories that are located in the left side panel.
Diagram
View
Grid
10 pt
Guides
Page View
Background
Image
Options
Connection arrows
Connection points
Paper Size
US-Letter (8,5" x 11")
Portrait
Landscape
Edit Data
Clear Default Style


Model New model
Session expiring after: 1:54:24
Renew
File Edit View Arrange Extras
100%
Search Shapes
Object instances
Meta Object
Business Concepts & Notat...
Diagram
View
Grid
10 pt
Guides
Page View
Background
Image
Options
Connection arrows
Connection points
Paper Size
US-Letter (8,5" x 11")
Portrait
Landscape
Edit Data
Clear Default Style
Object Instances > Meta Objects
This category contains all of the objects that you have created in the earlier phase of this tutorial. As you can see, the object list shows the notations (graphical icons) for all of the various Organization objects, Role objects, Business Service objects, and Data Objects, etc. that you have created.


Model New model
Session expiring after: 1:54:10
Renew
File Edit View Arrange Extras
100%
Search Shapes
Object instances
General
Text
Misc
Advanced
Basic
Arrows
General
This category contains basic shapes that you can use to draw diagrams and models with.
Diagram
View
Grid
10 pt
Guides
Page View
Background
Image
Options
Connection arrows
Connection points
Paper Size
US-Letter (8,5" x 11")
Portrait
Landscape
Edit Data
Clear Default Style


Model New model
Session expiring after: 1:37:01
Renew
File Edit View Arrange Extras
100%
BPMN General
BPMN Gateways
BPMN General
This category contains all kinds of basic BPMN shapes and objects that you can use to draw your business process model with.
Diagram
View
Grid
10 pt
Guides
Page View
Background
Image
Options
Connection arrows
Connection points
Paper Size
US-Letter (8,5" x 11")
Portrait
Landscape
Edit Data
Clear Default Style


Model New model
Session expiring after: 1:33:46
Renew
File Edit View Arrange Extras
100%
BPMN Gateways
BPMN Gateways
This category contains all the available BPMN Gateway objects.
Diagram
View
Grid 10 pt
Guides
Page View
Background Image
Options
Connection arrows
Connection points
Paper Size
US-Letter (8,5" x 11")
Portrait Landscape
Edit Data
Clear Default Style


Model New model
Session expiring after: 1:32:48
Renew
File Edit View Arrange Extras
100%
BPMN Events
BPMN Events
This category contains all the available BPMN Events objects.
Diagram
View
Grid 10 pt
Guides
Page View
Background Image
Options
Connection arrows
Connection points
Paper Size
US-Letter (8,5" x 11")
Portrait Landscape
Edit Data
Clear Default Style

Model **Retailer Production Order V3**

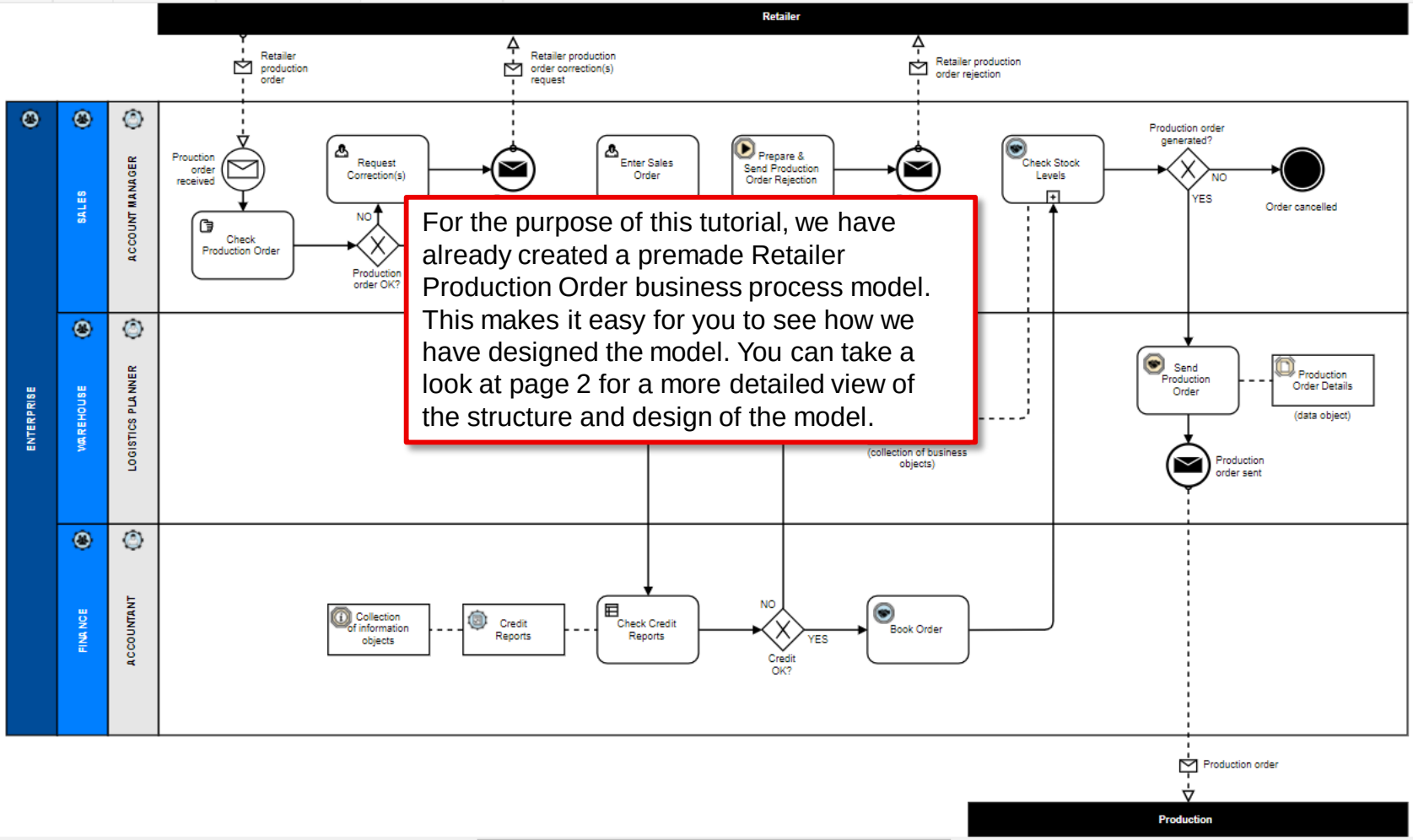
Session expiring after: 1:57:50 Renew

File Edit View Arrange Extras

60%

Search Shapes

- Object instances
- General
- Misc
- Advanced
- Basic
- Arrows
- UML
- BPMN General
- BPMN Gateways
- BPMN Events
- Entity Relation
- Flowchart
- Clipart



Diagram

View

- Grid
- Guides
- Page View
- Background Image

Options

- Connection arrows
- Connection points

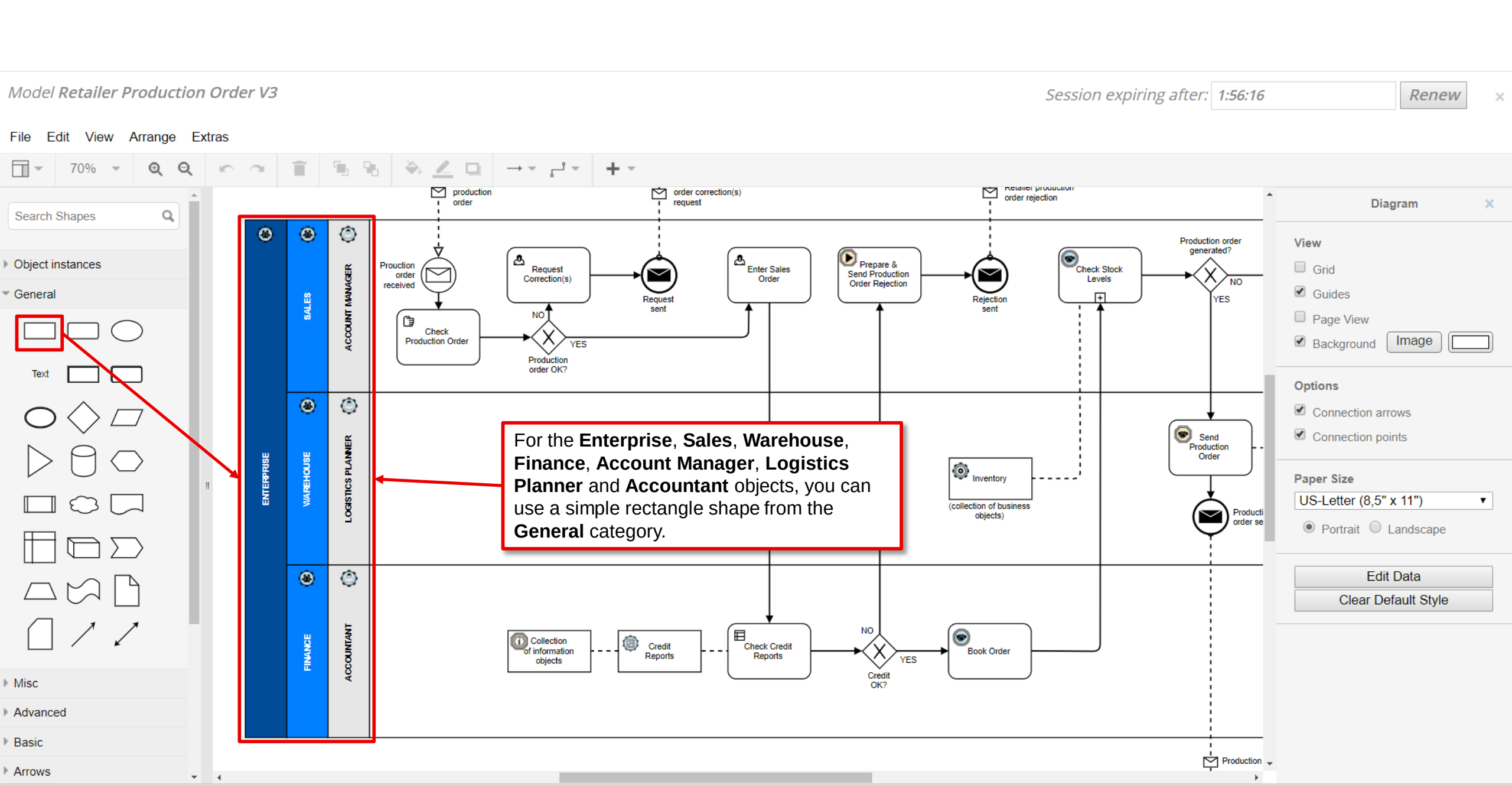
Paper Size

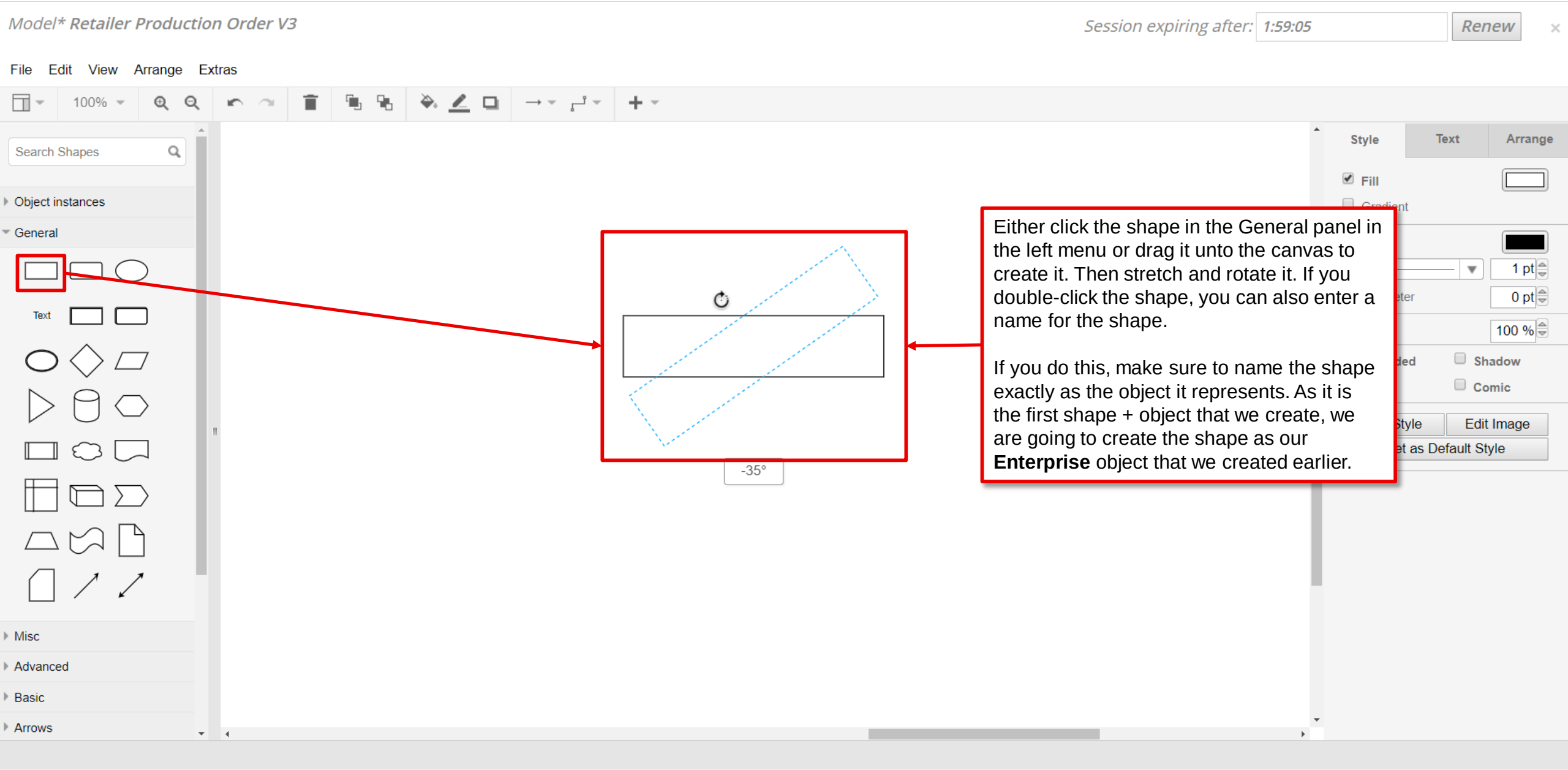
US-Letter (8,5" x 11")

Portrait Landscape

Edit Data

Clear Default Style


Model Retailer Production Order V3
Session expiring after: 1:56:16
Renew
File Edit View Arrange Extras
70%
Search Shapes
Object instances
General
Text
Misc
Advanced
Basic
Arrows
ENTERPRISE
SALES
WAREHOUSE
FINANCE
ACCOUNT MANAGER
LOGISTICS PLANNER
ACCOUNTANT
production order
order correction(s) request
order rejection
Prouction order received
Request Correction(s)
Request sent
Enter Sales Order
Prepare & Send Production Order Rejection
Rejection sent
Check Stock Levels
Production order generated?
NO
YES
Check Production Order
NO
YES
Production order OK?
Inventory
(collection of business objects)
Send Production Order
Collection of information objects
Credit Reports
Check Credit Reports
NO
YES
Credit OK?
Book Order
Production
For the Enterprise, Sales, Warehouse, Finance, Account Manager, Logistics Planner and Accountant objects, you can use a simple rectangle shape from the General category.
Diagram
View
Grid
Guides
Page View
Background
Image
Options
Connection arrows
Connection points
Paper Size
US-Letter (8,5" x 11")
Portrait
Landscape
Edit Data
Clear Default Style


Model* Retailer Production Order V3
Session expiring after: 1:59:05
Renew
File
Edit
View
Arrange
Extras
100%
Search Shapes
Object instances
General
Text
Misc
Advanced
Basic
Arrows
Style
Text
Arrange
Fill
Gradient
1 pt
0 pt
100 %
Shadow
Comic
Edit Image
-35°
Either click the shape in the General panel in the left menu or drag it unto the canvas to create it. Then stretch and rotate it. If you double-click the shape, you can also enter a name for the shape.
If you do this, make sure to name the shape exactly as the object it represents. As it is the first shape + object that we create, we are going to create the shape as our **Enterprise** object that we created earlier.

Model* Retailer Production Order V3

Session expiring after: 1:53:09 Renew

File Edit View Arrange Extras

100%

Search Shapes

Object instances

Meta Object

Business Concepts & Notat...

Enterprise

ENTERPRISE

Open the Object Instances > Meta Object category in the left panel. Locate your **Enterprise** object (represented in the list as a notation/icon) and pull it unto the rectangular Enterprise shape.

Diagram

View

Grid

Guides

Page View

Background Image

Options

Connection arrows

Connection points

Paper Size

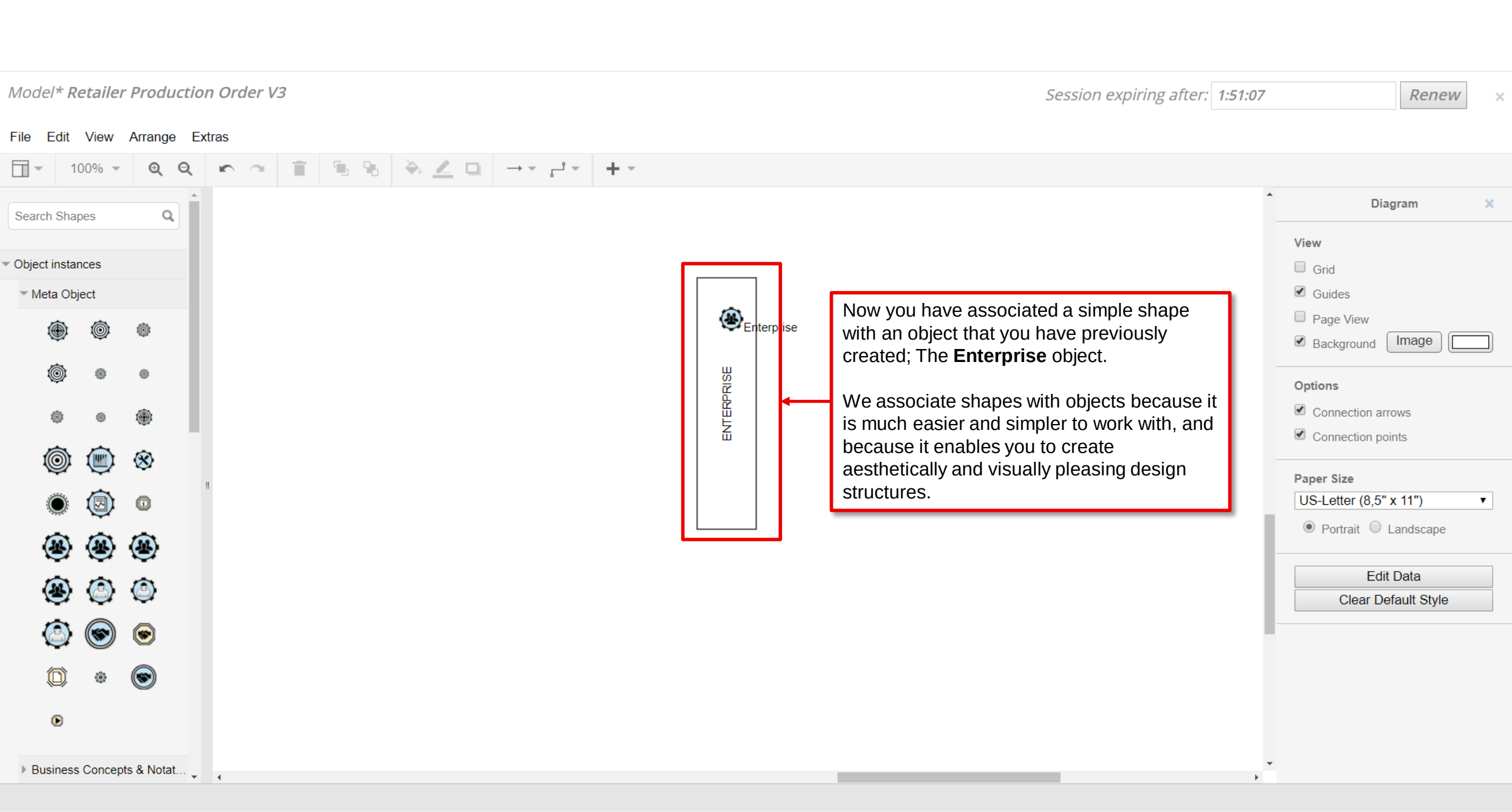
US-Letter (8,5" x 11")

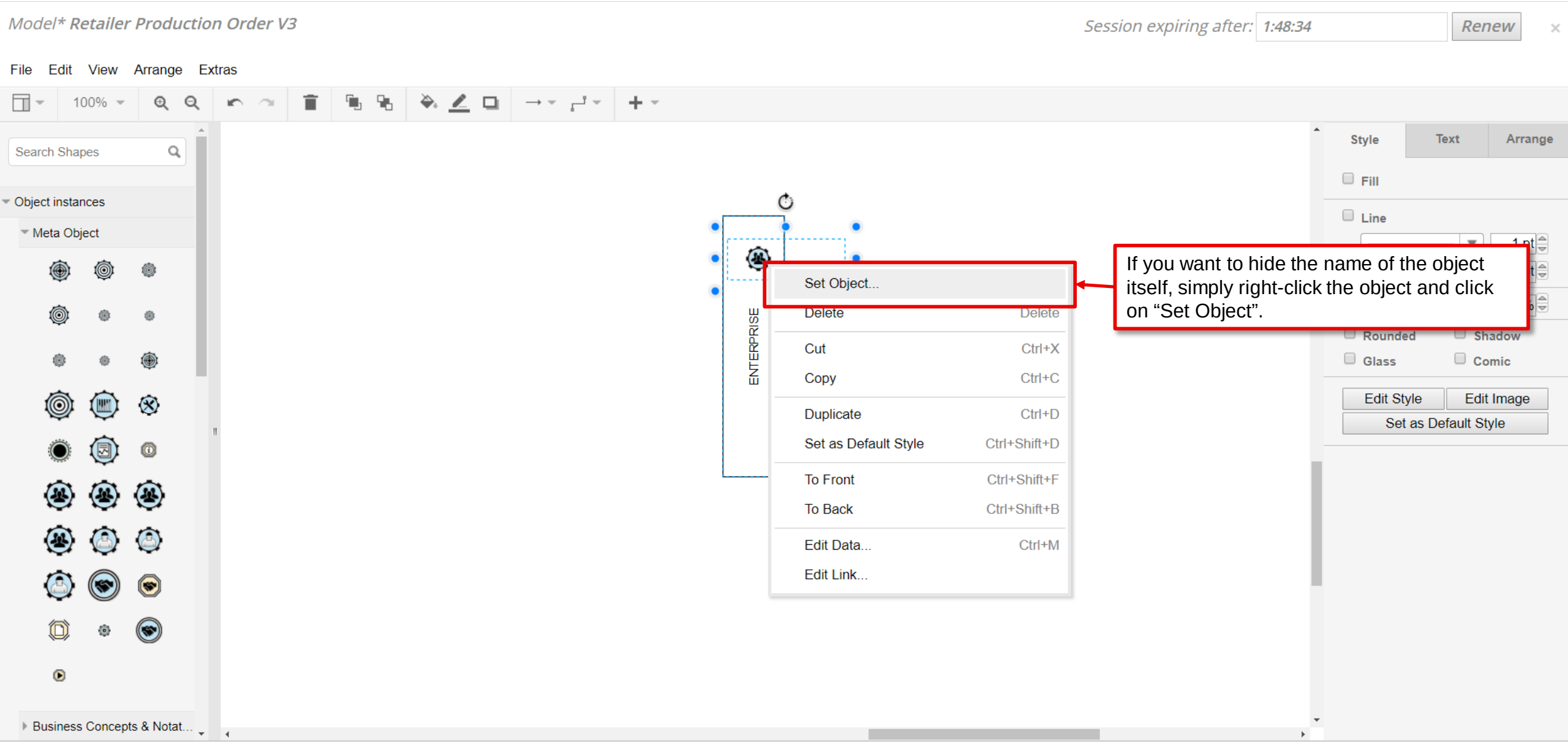
Portrait Landscape

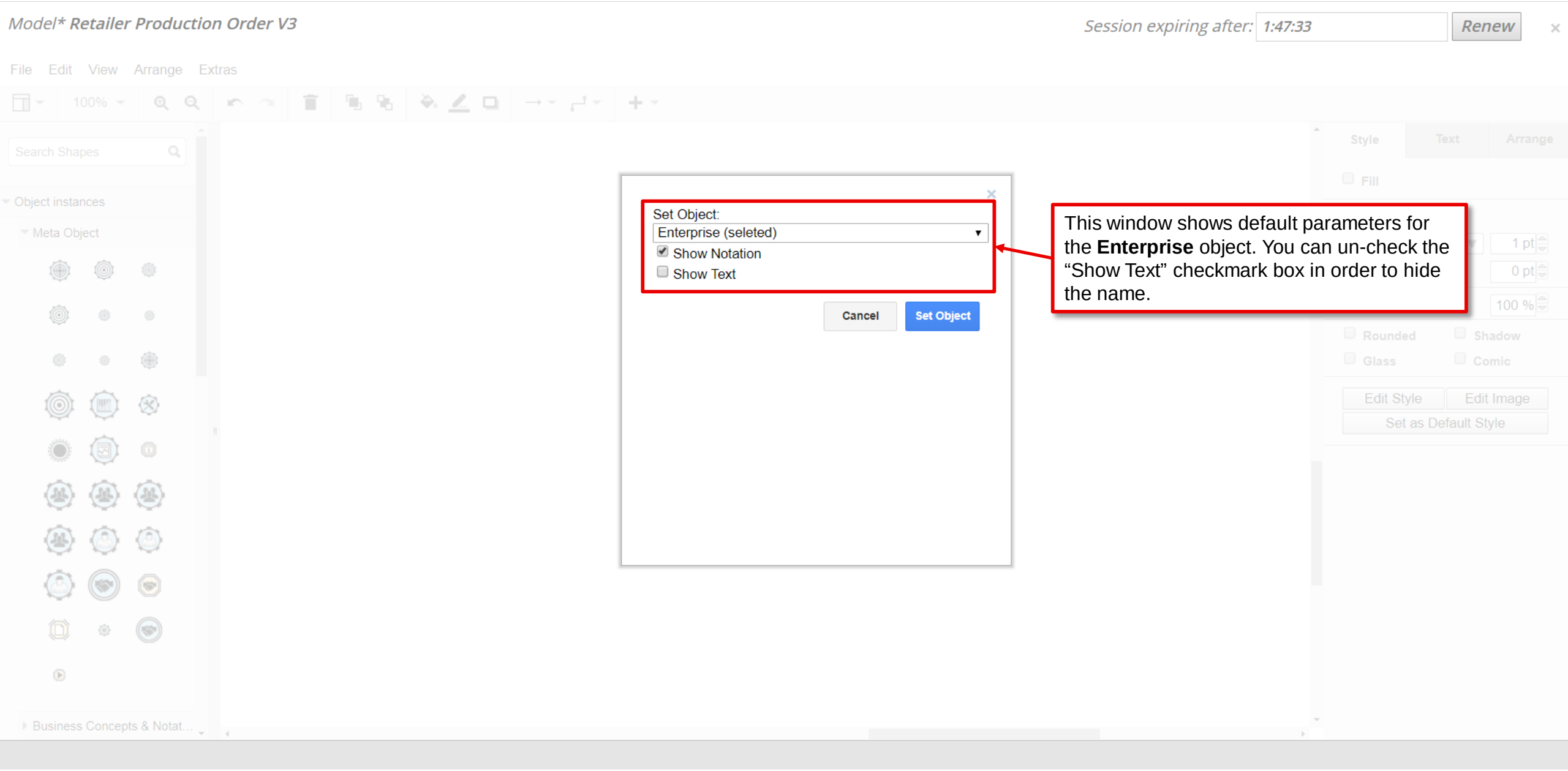
Edit Data

Clear Default Style

javascript:void(0);


Model* Retailer Production Order V3
Session expiring after: 1:51:07
Renew
File
Edit
View
Arrange
Extras
100%
Search Shapes
Object instances
Meta Object
Business Concepts & Notat...
Enterprise
ENTERPRISE
Now you have associated a simple shape with an object that you have previously created; The Enterprise object.
We associate shapes with objects because it is much easier and simpler to work with, and because it enables you to create aesthetically and visually pleasing design structures.
Diagram
View
Grid
Guides
Page View
Background
Image
Options
Connection arrows
Connection points
Paper Size
US-Letter (8,5" x 11")
Portrait
Landscape
Edit Data
Clear Default Style


Model* Retailer Production Order V3
Session expiring after: 1:48:34
Renew
File
Edit
View
Arrange
Extras
100%
Search Shapes
Object instances
Meta Object
Business Concepts & Notat...
ENTERPRISE
Set Object...
Delete
Delete
Cut
Ctrl+X
Copy
Ctrl+C
Duplicate
Ctrl+D
Set as Default Style
Ctrl+Shift+D
To Front
Ctrl+Shift+F
To Back
Ctrl+Shift+B
Edit Data...
Ctrl+M
Edit Link...
If you want to hide the name of the object itself, simply right-click the object and click on “Set Object”.
Style
Text
Arrange
Fill
Line
Rounded
Shadow
Glass
Comic
Edit Style
Edit Image
Set as Default Style


Model* Retailer Production Order V3
Session expiring after: 1:47:33
Renew
File Edit View Arrange Extras
Search Shapes
Object instances
Meta Object
Business Concepts & Notat...
Style
Text
Arrange
Fill
Rounded
Shadow
Glass
Comic
Edit Style
Edit Image
Set as Default Style
Set Object:
Enterprise (seleted)
Show Notation
Show Text
Cancel
Set Object
This window shows default parameters for the **Enterprise** object. You can un-check the “Show Text” checkmark box in order to hide the name.

Model* Retailer Production Order V3

Session expiring after: 1:46:21 Renew

File Edit View Arrange Extras

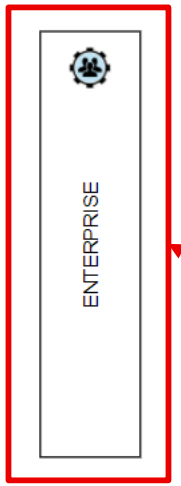
100%

Search Shapes

Object instances

Meta Object

Business Concepts & Notat...



Now you are using the shape to represent the object. The object is the notation (icon), and the shape is a representation (with a name) of the **Enterprise** object.

This is a standard modelling procedure that is used at almost all times for when creating different kinds of models, including (but not limited to) this Retailer Production Order business process model tutorial.

Diagram

View

Grid

Guides

Page View

Background Image

Options

Connection arrows

Connection points

Paper Size

US-Letter (8,5" x 11")

Portrait Landscape

Edit Data

Clear Default Style

Model Retailer Production Order V3

Session expiring after: 1:56:16 Renew

File Edit View Arrange Extras

70%

Search Shapes

Object instances

General

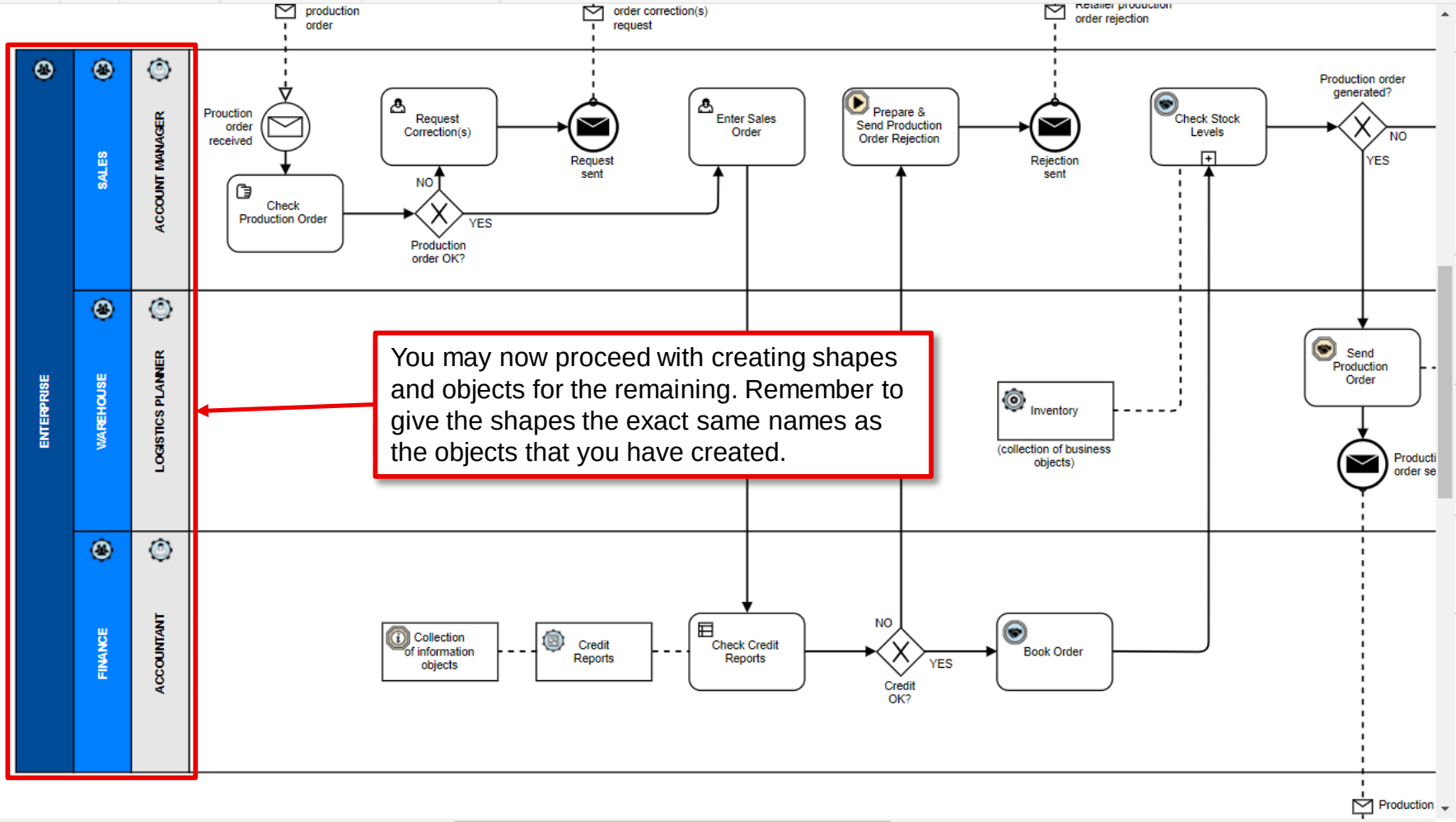
Text

Misc

Advanced

Basic

Arrows



Diagram

View

Grid

Guides

Page View

Background Image

Options

Connection arrows

Connection points

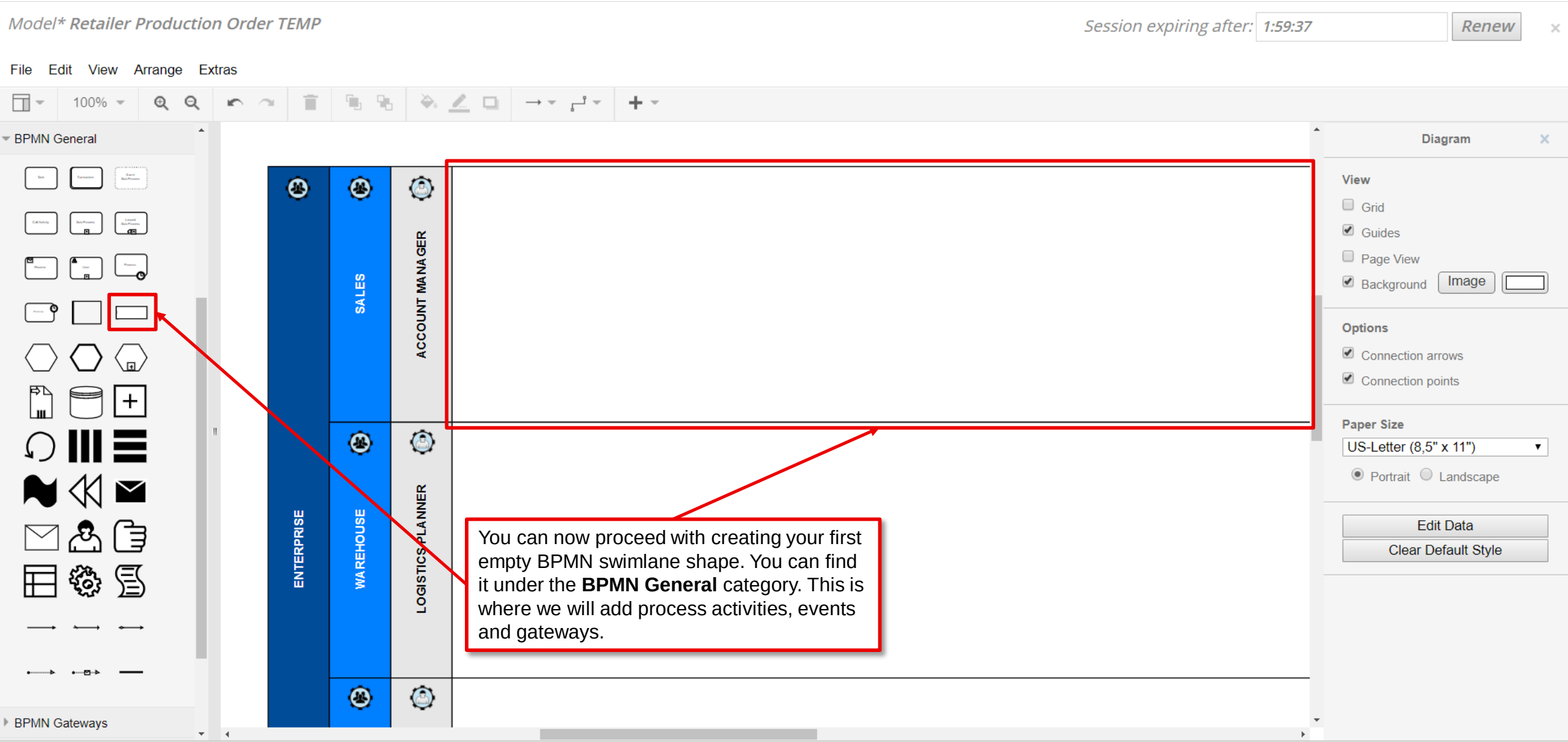
Paper Size

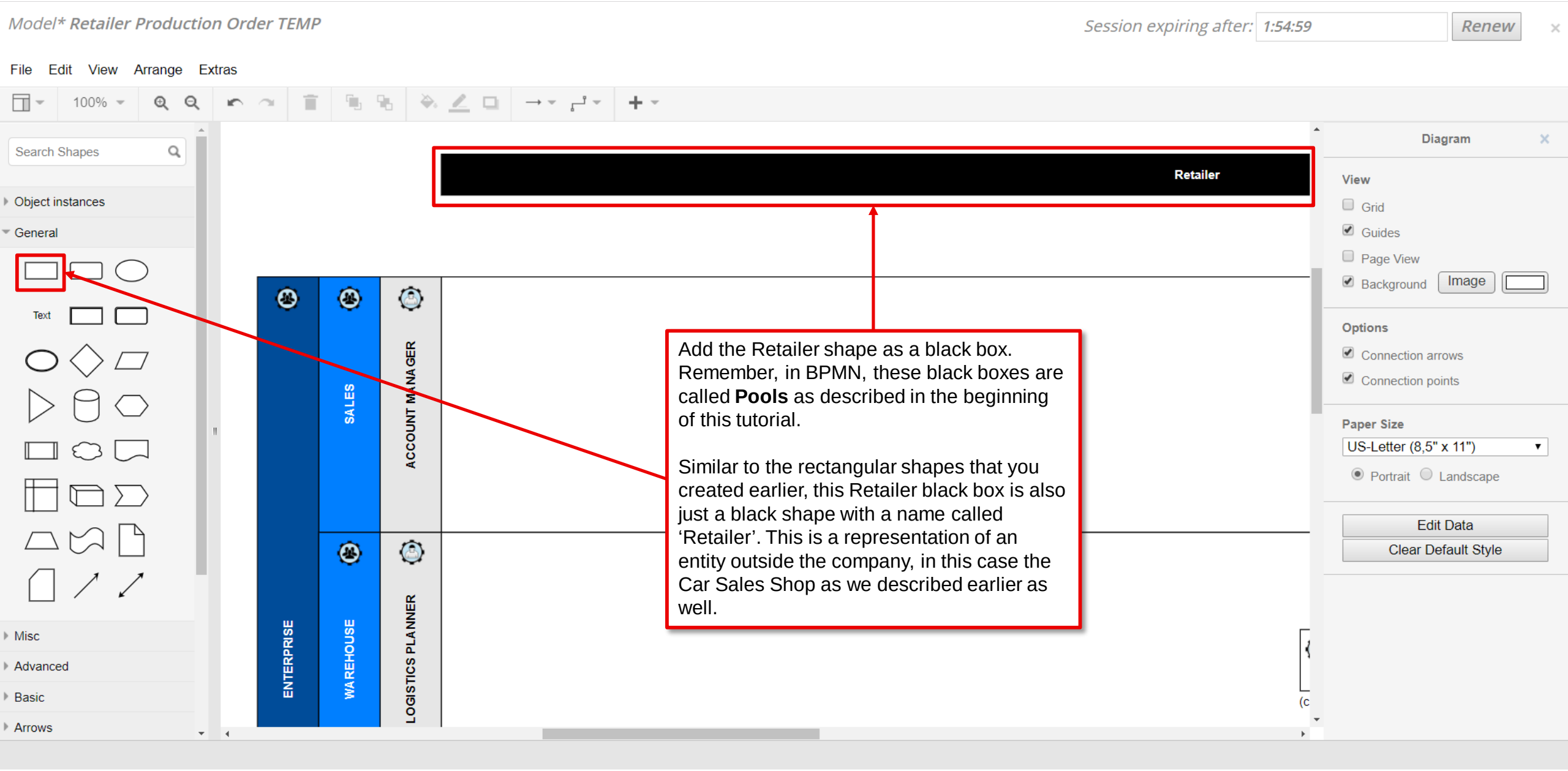
US-Letter (8,5" x 11")

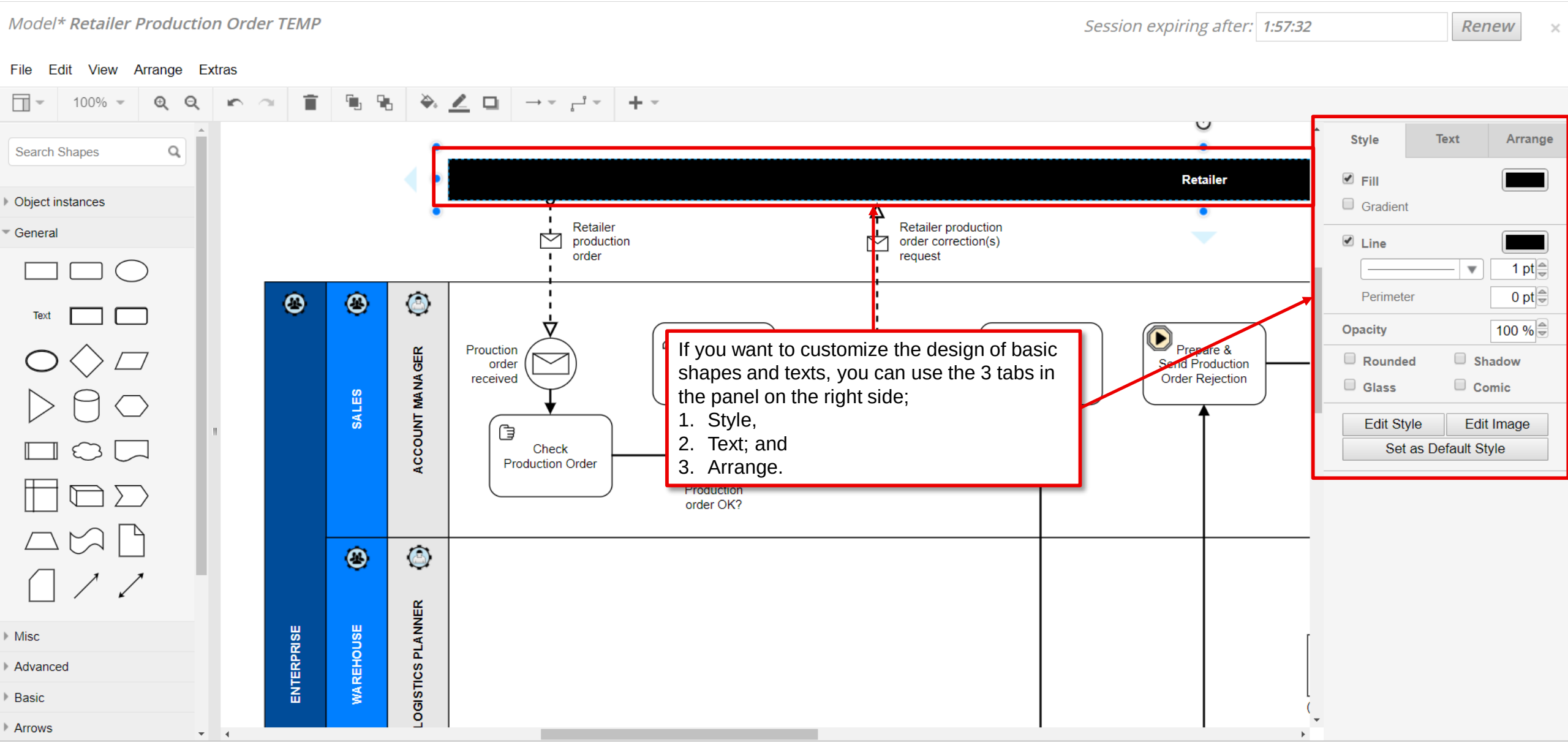
Portrait Landscape

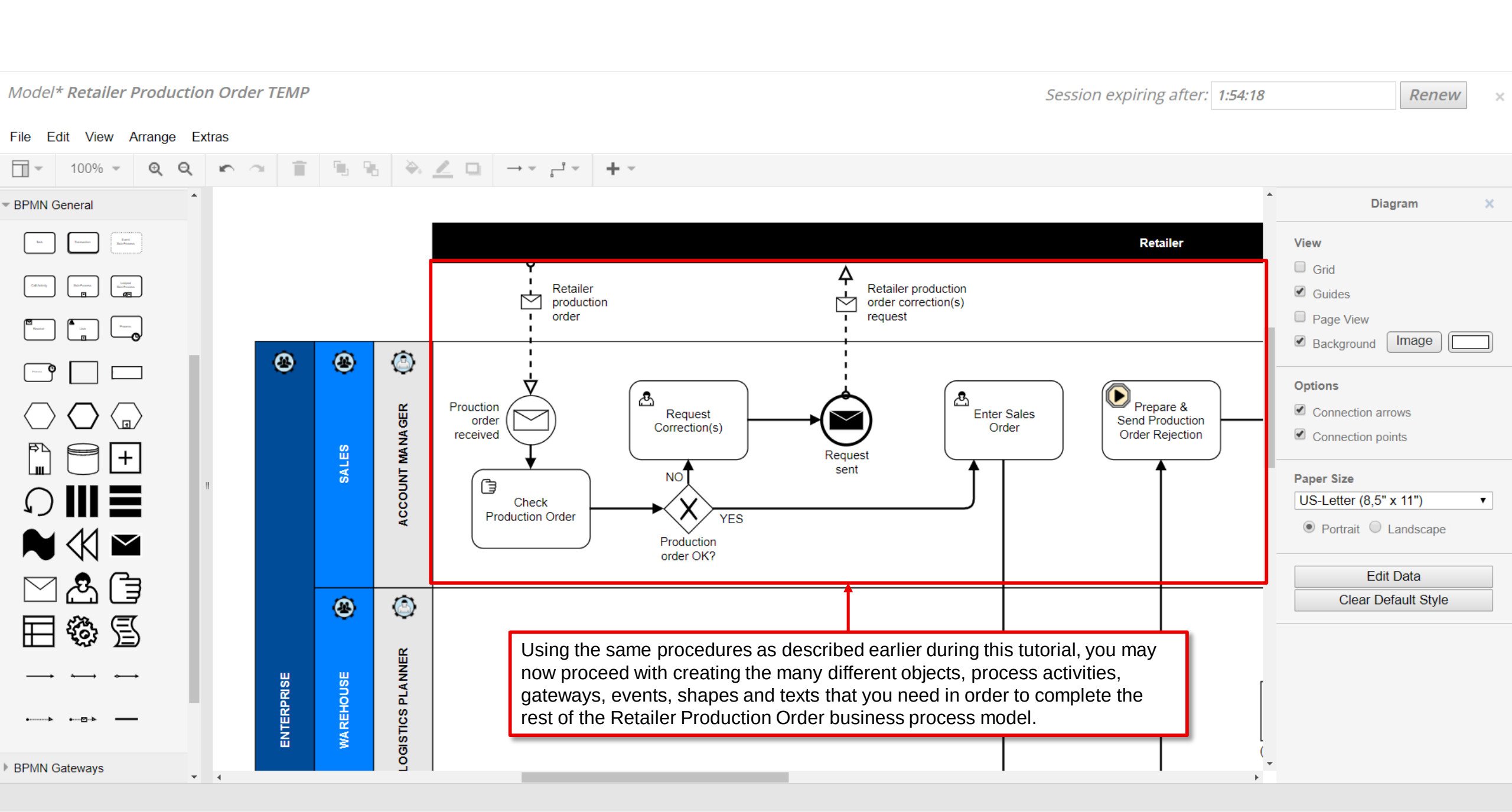
Edit Data

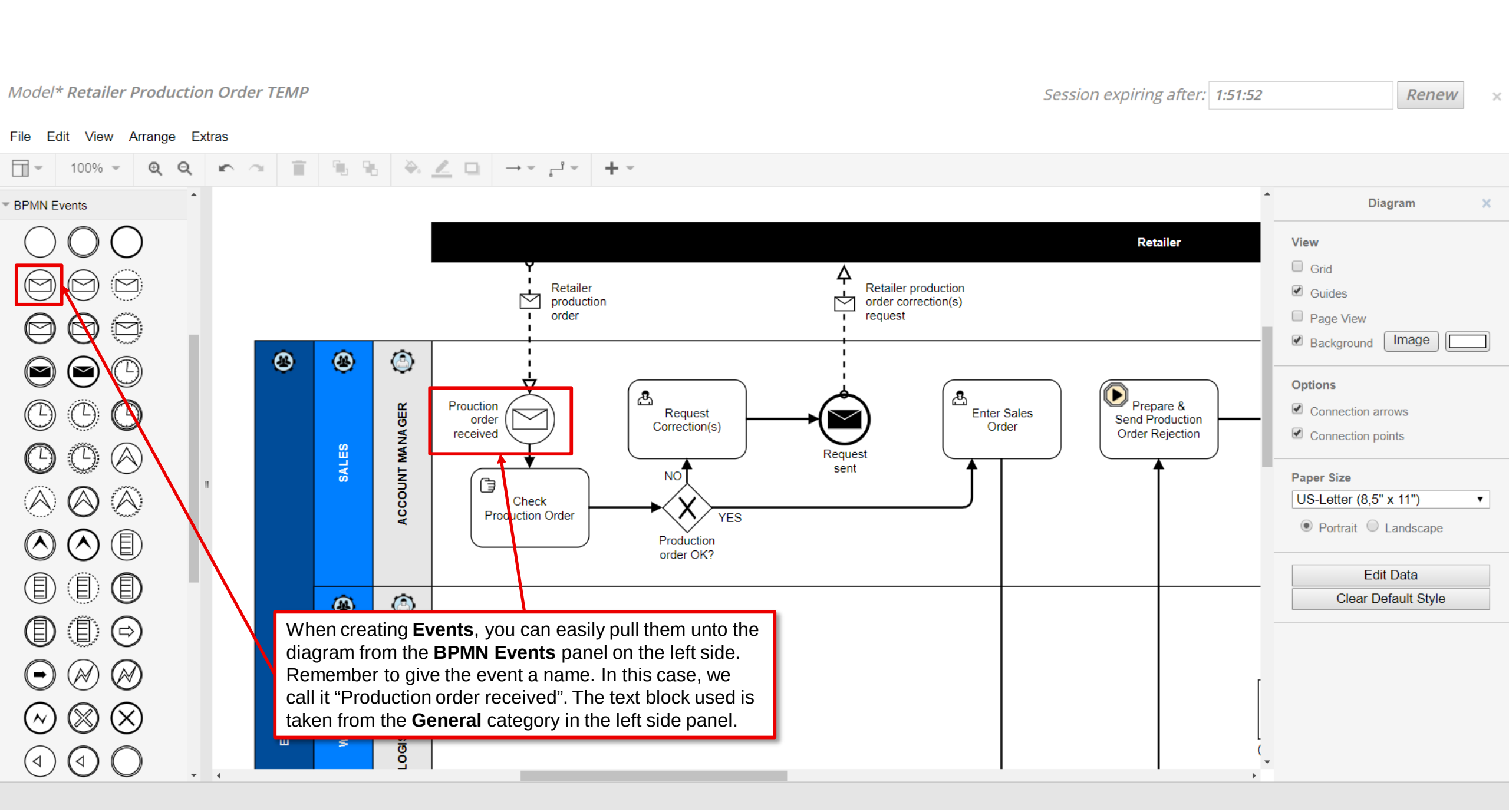
Clear Default Style

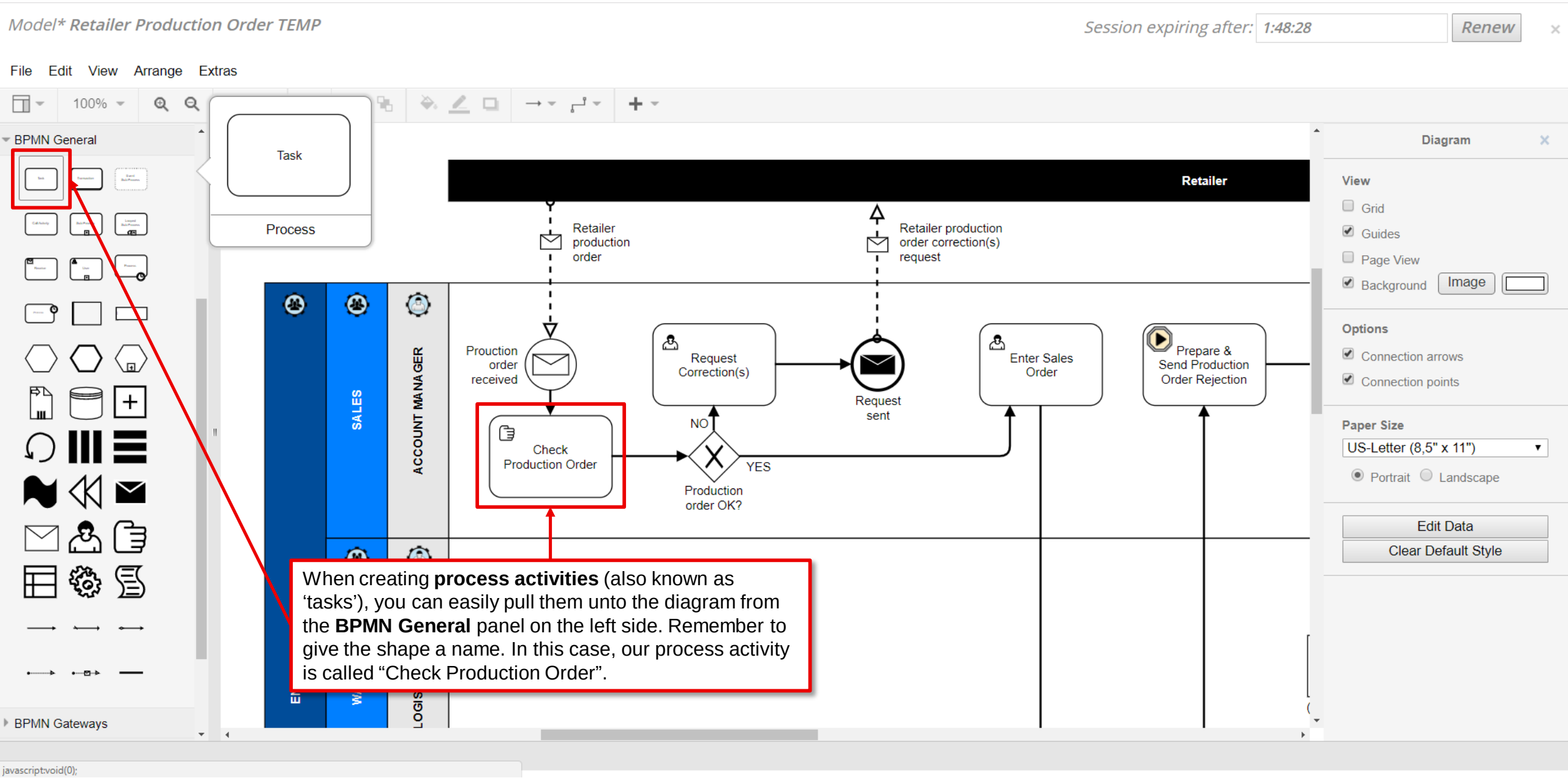

Model* Retailer Production Order TEMP
Session expiring after: 1:59:37
Renew
File
Edit
View
Arrange
Extras
100%
BPMN General
BPMN Gateways
ENTERPRISE
WAREHOUSE
SALES
LOGISTICS PLANNER
ACCOUNT MANAGER
You can now proceed with creating your first empty BPMN swimlane shape. You can find it under the BPMN General category. This is where we will add process activities, events and gateways.
Diagram
View
Grid
Guides
Page View
Background
Image
Options
Connection arrows
Connection points
Paper Size
US-Letter (8,5" x 11")
Portrait
Landscape
Edit Data
Clear Default Style

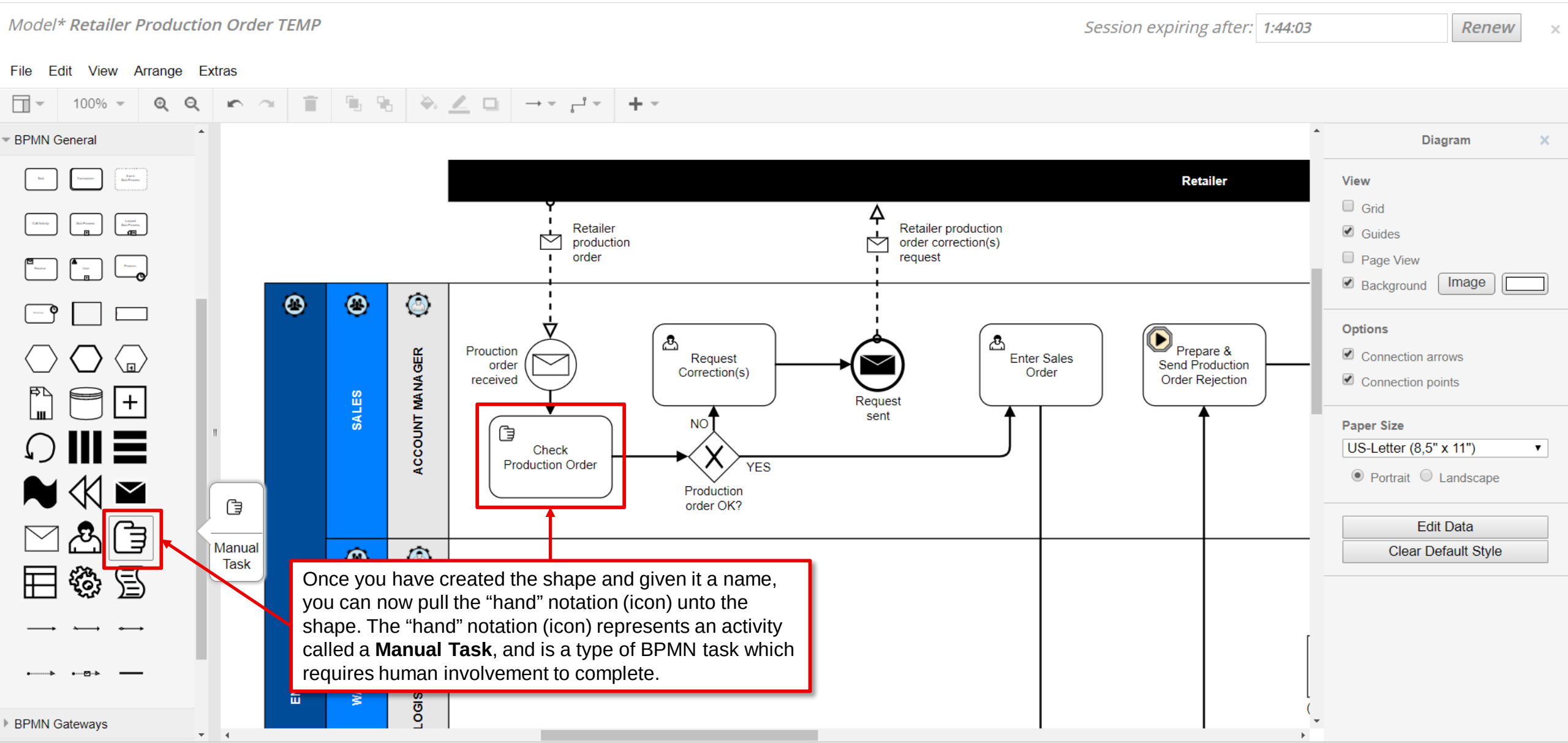

Model* Retailer Production Order TEMP
Session expiring after: 1:54:59
Renew
File Edit View Arrange Extras
100%
Search Shapes
Object instances
General
Text
Misc
Advanced
Basic
Arrows
Retailer
ENTERPRISE
SALES
WAREHOUSE
ACCOUNT MANAGER
LOGISTICS PLANNER
Add the Retailer shape as a black box. Remember, in BPMN, these black boxes are called **Pools** as described in the beginning of this tutorial.
Similar to the rectangular shapes that you created earlier, this Retailer black box is also just a black shape with a name called 'Retailer'. This is a representation of an entity outside the company, in this case the Car Sales Shop as we described earlier as well.
Diagram
View
Grid
Guides
Page View
Background
Image
Options
Connection arrows
Connection points
Paper Size
US-Letter (8,5" x 11")
Portrait
Landscape
Edit Data
Clear Default Style

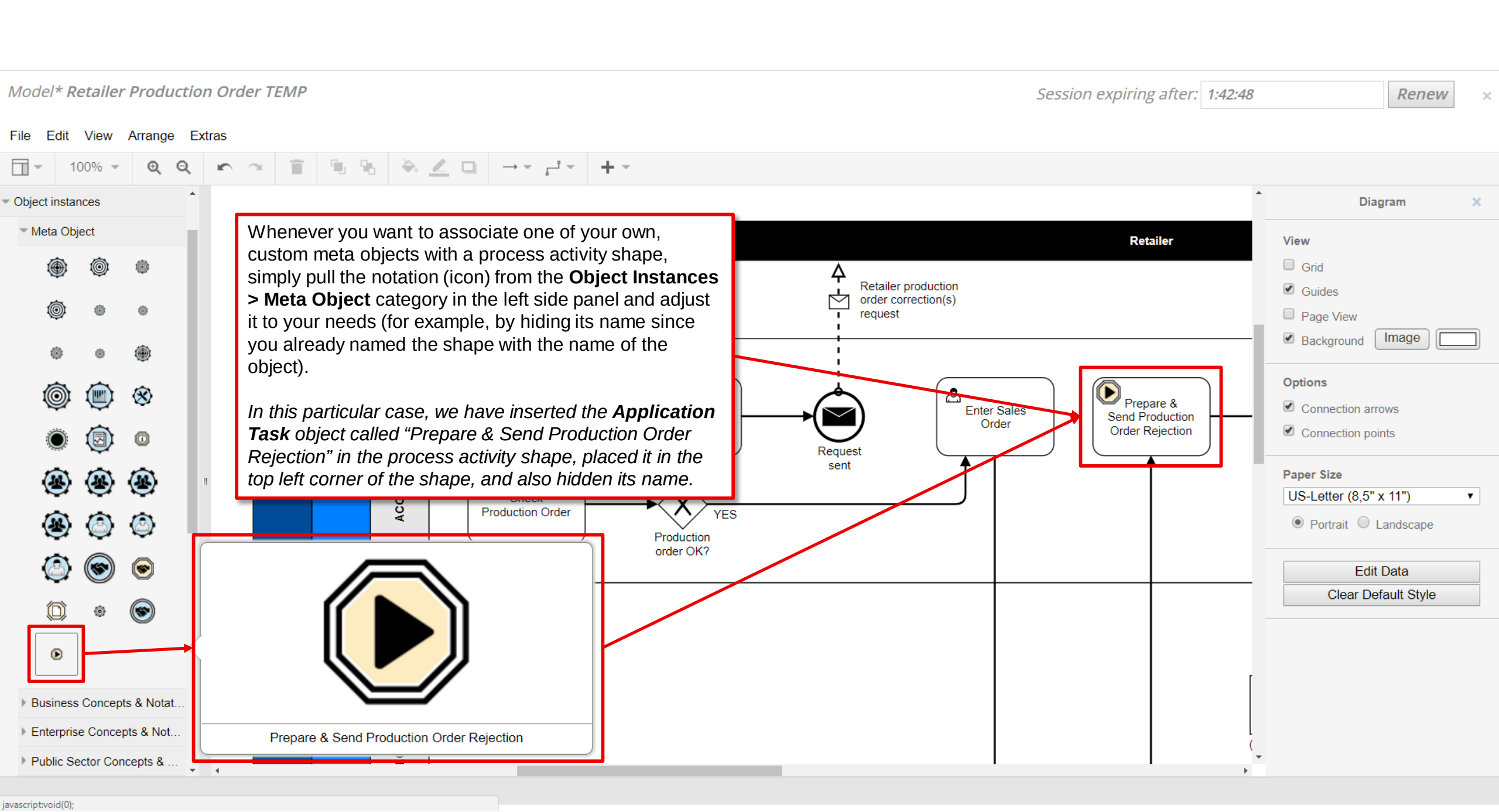

Model* Retailer Production Order TEMP
Session expiring after: 1:57:32
Renew
File
Edit
View
Arrange
Extras
100%
Search Shapes
Object instances
General
Text
Misc
Advanced
Basic
Arrows
Retailer
Retailer production order
Retailer production order correction(s) request
ENTERPRISE
WAREHOUSE
SALES
LOGISTICS PLANNER
ACCOUNT MANAGER
Prouction order received
Check Production Order
Production order OK?
Prepare & Send Production Order Rejection
If you want to customize the design of basic shapes and texts, you can use the 3 tabs in the panel on the right side;
1. Style,
2. Text; and
3. Arrange.
Style
Text
Arrange
Fill
Gradient
Line
1 pt
Perimeter
0 pt
Opacity
100 %
Rounded
Shadow
Glass
Comic
Edit Style
Edit Image
Set as Default Style

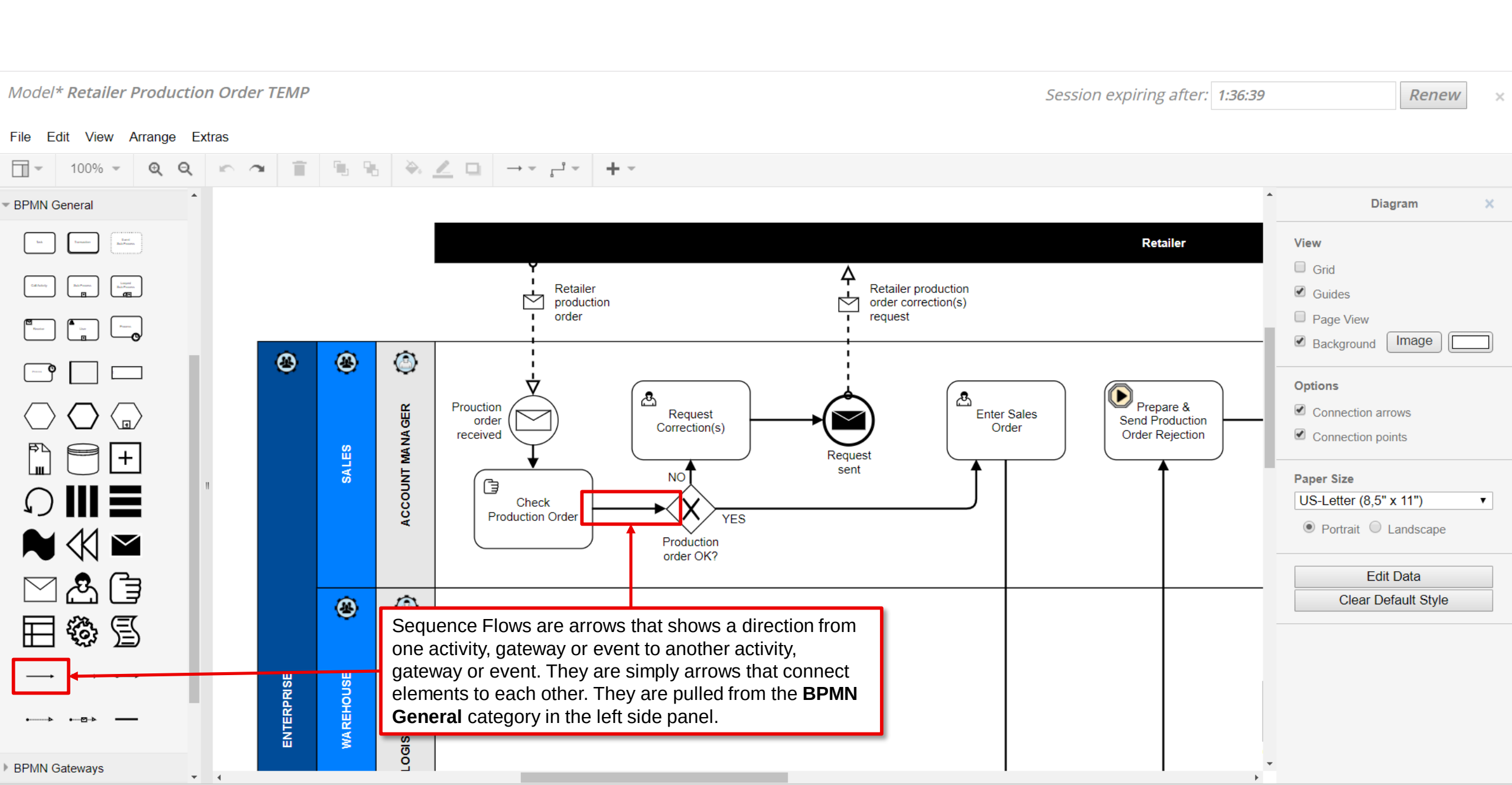

Model* Retailer Production Order TEMP
Session expiring after: 1:54:18
Renew
File
Edit
View
Arrange
Extras
100%
BPMN General
BPMN Gateways
Diagram
View
Grid
Guides
Page View
Background
Image
Options
Connection arrows
Connection points
Paper Size
US-Letter (8,5" x 11")
Portrait
Landscape
Edit Data
Clear Default Style
Retailer
Retailer production order
Retailer production order correction(s) request
ENTERPRISE
WAREHOUSE
LOGISTICS PLANNER
SALES
ACCOUNT MANAGER
Prouction order received
Check Production Order
Request Correction(s)
NO
YES
Production order OK?
Request sent
Enter Sales Order
Prepare & Send Production Order Rejection
Using the same procedures as described earlier during this tutorial, you may now proceed with creating the many different objects, process activities, gateways, events, shapes and texts that you need in order to complete the rest of the Retailer Production Order business process model.

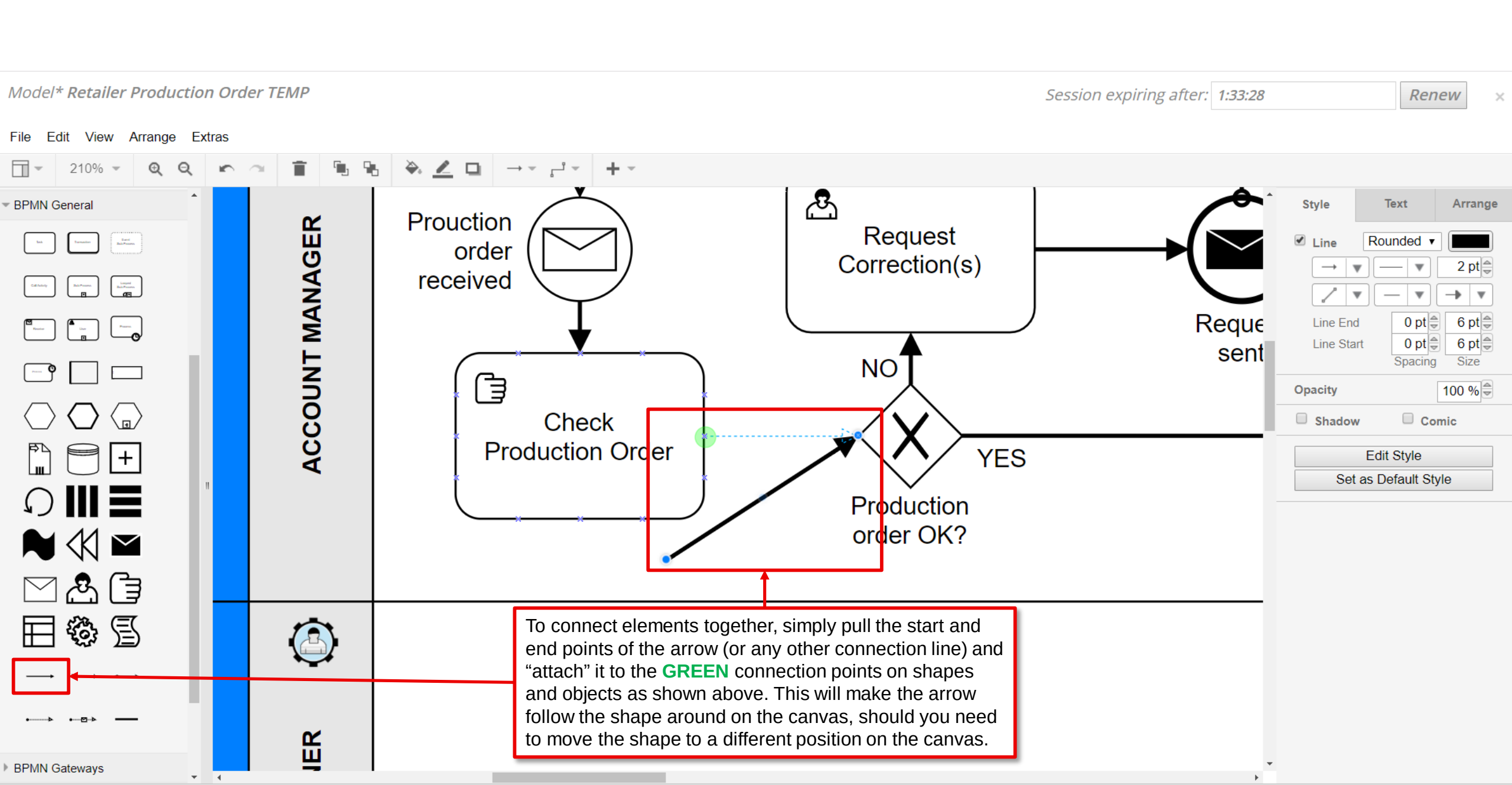

Model* Retailer Production Order TEMP
Session expiring after: 1:51:52
Renew
File Edit View Arrange Extras
100%
BPMN Events
Diagram
View
Grid
Guides
Page View
Background
Image
Options
Connection arrows
Connection points
Paper Size
US-Letter (8,5" x 11")
Portrait
Landscape
Edit Data
Clear Default Style
Retailer
Retailer production order
Retailer production order correction(s) request
SALES
ACCOUNT MANAGER
Prouction order received
Request Correction(s)
Request sent
Enter Sales Order
Prepare & Send Production Order Rejection
Check Production Order
NO
YES
Production order OK?
When creating Events, you can easily pull them unto the diagram from the BPMN Events panel on the left side. Remember to give the event a name. In this case, we call it “Production order received”. The text block used is taken from the General category in the left side panel.

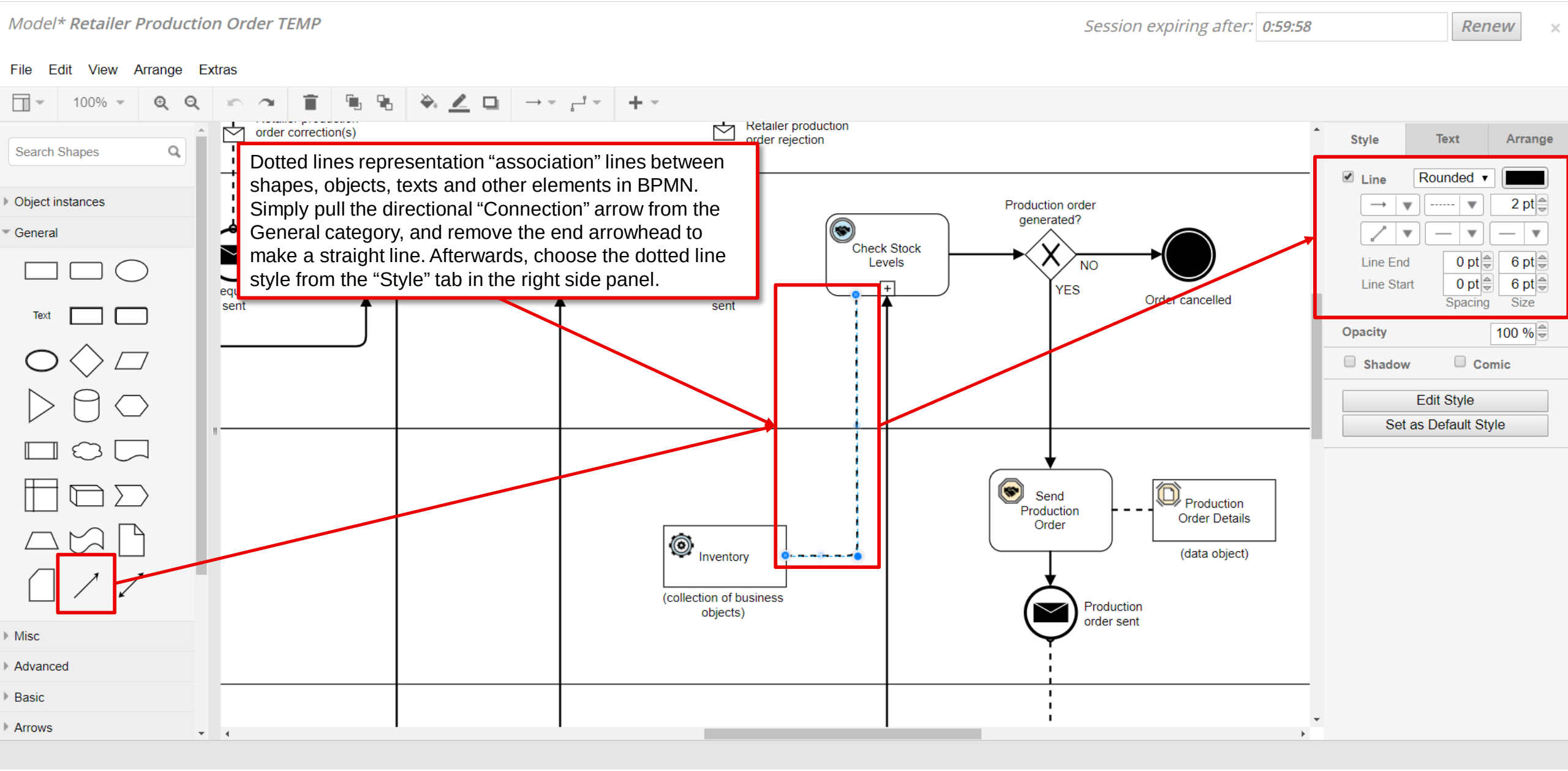

Model* Retailer Production Order TEMP
Session expiring after: 1:48:28
Renew
File
Edit
View
Arrange
Extras
100%
BPMN General
Task
Process
BPMN Gateways
Diagram
View
Grid
Guides
Page View
Background
Image
Options
Connection arrows
Connection points
Paper Size
US-Letter (8,5" x 11")
Portrait
Landscape
Edit Data
Clear Default Style
Retailer
Retailer production order
Retailer production order correction(s) request
SALES
ACCOUNT MANAGER
Prouction order received
Check Production Order
Request Correction(s)
Request sent
NO
YES
Production order OK?
Enter Sales Order
Prepare & Send Production Order Rejection
When creating process activities (also known as 'tasks'), you can easily pull them unto the diagram from the BPMN General panel on the left side. Remember to give the shape a name. In this case, our process activity is called "Check Production Order".

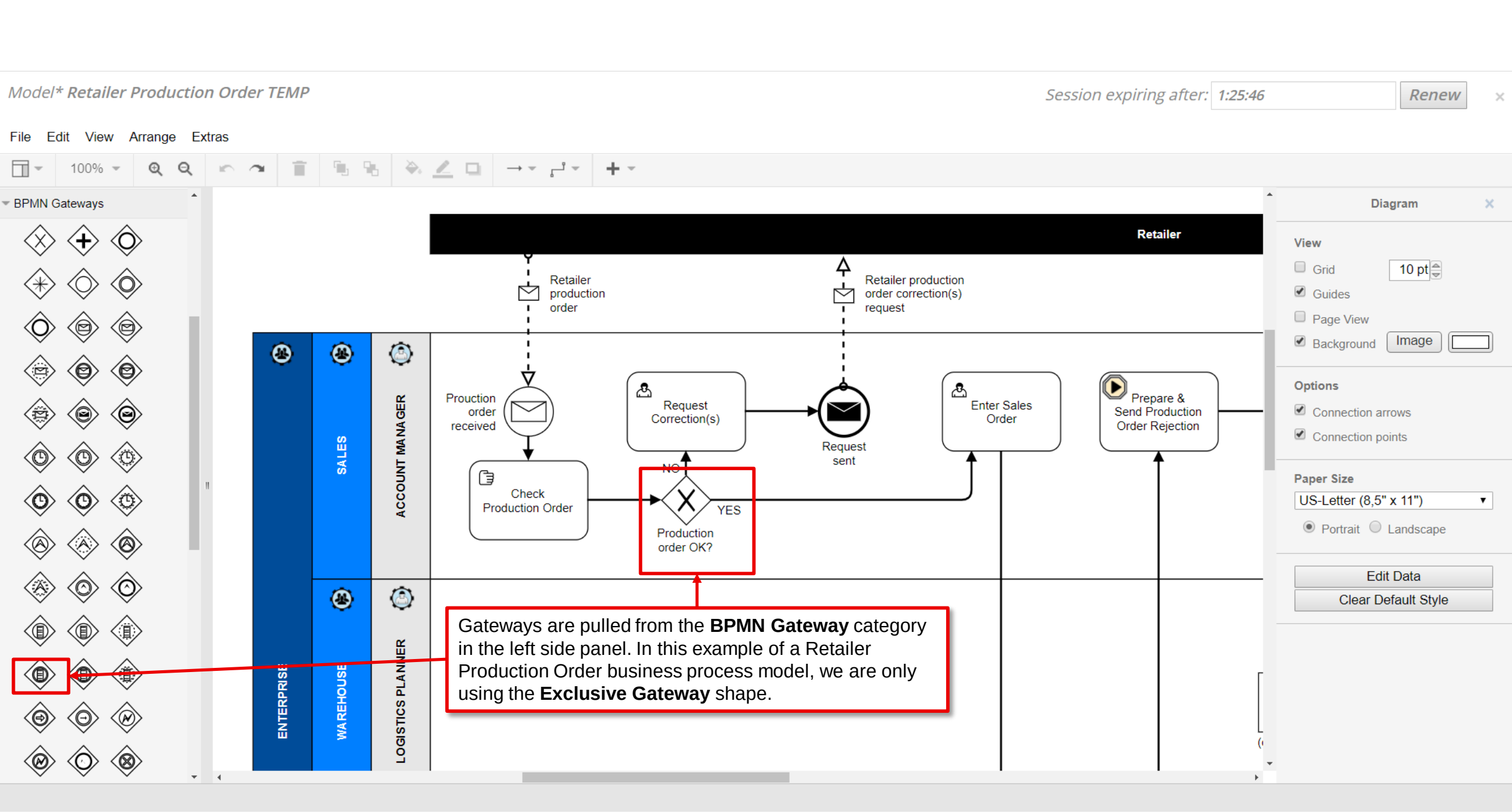

Model* Retailer Production Order TEMP
Session expiring after: 1:44:03
Renew
File
Edit
View
Arrange
Extras
100%
BPMN General
BPMN Gateways
Diagram
View
Grid
Guides
Page View
Background
Image
Options
Connection arrows
Connection points
Paper Size
US-Letter (8,5" x 11")
Portrait
Landscape
Edit Data
Clear Default Style
Retailer
Retailer production order
Retailer production order correction(s) request
SALES
ACCOUNT MANAGER
Prouction order received
Check Production Order
Request Correction(s)
Request sent
NO
YES
Production order OK?
Enter Sales Order
Prepare & Send Production Order Rejection
Manual Task
Once you have created the shape and given it a name, you can now pull the “hand” notation (icon) unto the shape. The “hand” notation (icon) represents an activity called a **Manual Task**, and is a type of BPMN task which requires human involvement to complete.
javascript:void(0);


Model* Retailer Production Order TEMP
Session expiring after: 1:42:48
Renew
File Edit View Arrange Extras
100%
Object instances
Meta Object
Business Concepts & Notat...
Enterprise Concepts & Not...
Public Sector Concepts & ...
Whenever you want to associate one of your own, custom meta objects with a process activity shape, simply pull the notation (icon) from the **Object Instances > Meta Object** category in the left side panel and adjust it to your needs (for example, by hiding its name since you already named the shape with the name of the object).
*In this particular case, we have inserted the **Application Task** object called "Prepare & Send Production Order Rejection" in the process activity shape, placed it in the top left corner of the shape, and also hidden its name.*
Prepare & Send Production Order Rejection
Retailer
Retailer production order correction(s) request
Request sent
Enter Sales Order
Prepare & Send Production Order Rejection
Production order OK?
YES
Diagram
View
Grid
Guides
Page View
Background
Image
Options
Connection arrows
Connection points
Paper Size
US-Letter (8,5" x 11")
Portrait
Landscape
Edit Data
Clear Default Style
javascript:void(0);


Model* Retailer Production Order TEMP
Session expiring after: 1:36:39
Renew
File
Edit
View
Arrange
Extras
100%
BPMN General
BPMN Gateways
Diagram
View
Grid
Guides
Page View
Background
Image
Options
Connection arrows
Connection points
Paper Size
US-Letter (8,5" x 11")
Portrait
Landscape
Edit Data
Clear Default Style
Retailer
Retailer production order
Retailer production order correction(s) request
Prouction order received
Request Correction(s)
Request sent
Enter Sales Order
Prepare & Send Production Order Rejection
Check Production Order
NO
YES
Production order OK?
ENTERPRISE
WAREHOUSE
SALES
ACCOUNT MANAGER
Sequence Flows are arrows that shows a direction from one activity, gateway or event to another activity, gateway or event. They are simply arrows that connect elements to each other. They are pulled from the BPMN General category in the left side panel.

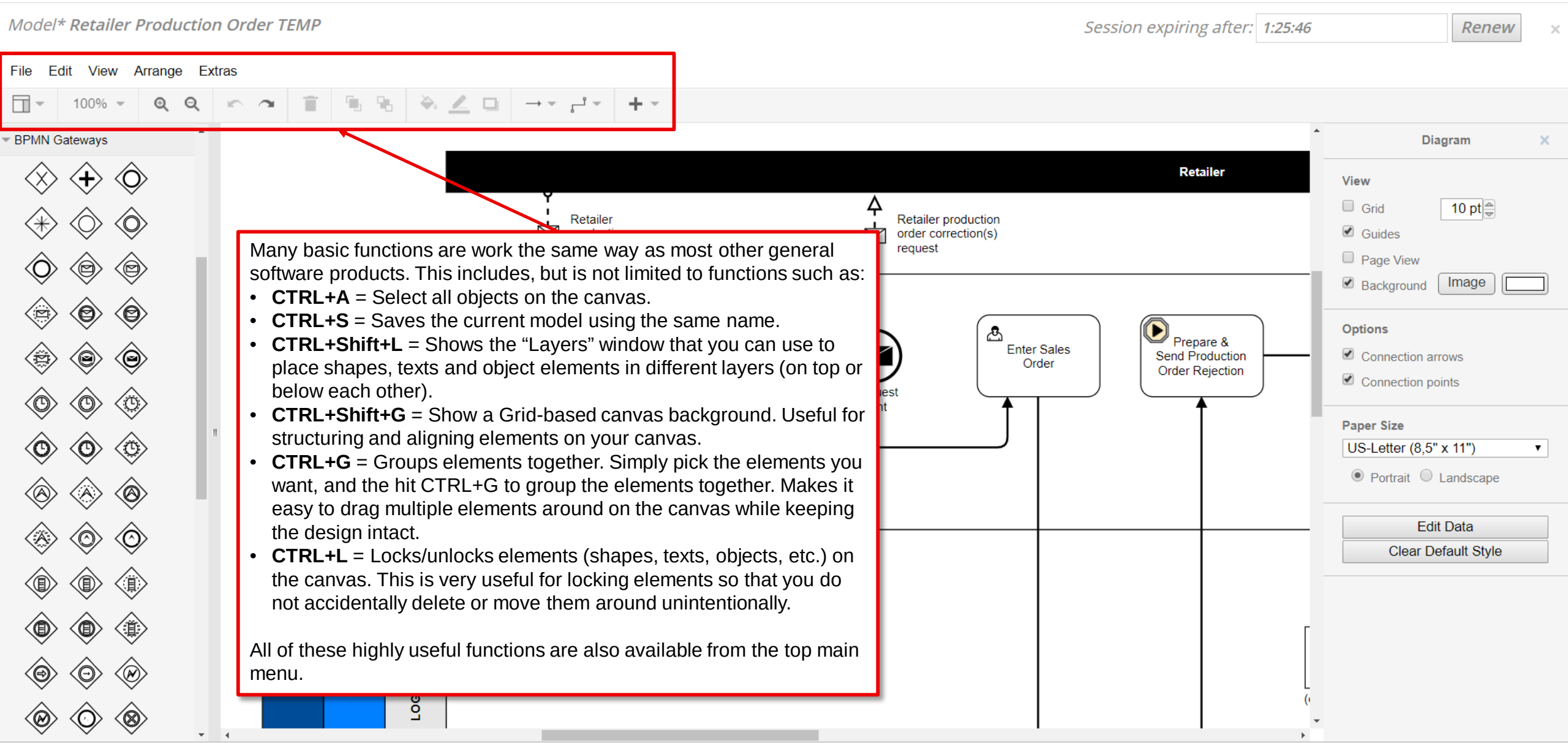

Model* Retailer Production Order TEMP
Session expiring after: 1:33:28
Renew
File
Edit
View
Arrange
Extras
210%
BPMN General
BPMN Gateways
ACCOUNT MANAGER
Prouction order received
Check Production Order
Production order OK?
NO
YES
Request Correction(s)
Reque sent
Style
Text
Arrange
Line
Rounded
2 pt
Line End
Line Start
0 pt
6 pt
Spacing
Size
Opacity
100 %
Shadow
Comic
Edit Style
Set as Default Style
To connect elements together, simply pull the start and end points of the arrow (or any other connection line) and “attach” it to the GREEN connection points on shapes and objects as shown above. This will make the arrow follow the shape around on the canvas, should you need to move the shape to a different position on the canvas.


Model* Retailer Production Order TEMP
Session expiring after: 0:59:58
Renew
File
Edit
View
Arrange
Extras
100%
Search Shapes
Object instances
General
Text
Misc
Advanced
Basic
Arrows
Dotted lines representation “association” lines between shapes, objects, texts and other elements in BPMN. Simply pull the directional “Connection” arrow from the General category, and remove the end arrowhead to make a straight line. Afterwards, choose the dotted line style from the “Style” tab in the right side panel.
order correction(s)
Retailer production order rejection
sent
sent
Check Stock Levels
Production order generated?
NO
YES
Order cancelled
Inventory
(collection of business objects)
Send Production Order
Production Order Details
(data object)
Production order sent
Style
Text
Arrange
Line
Rounded
2 pt
Line End
0 pt
6 pt
Line Start
0 pt
6 pt
Spacing
Size
Opacity
100 %
Shadow
Comic
Edit Style
Set as Default Style


Model* Retailer Production Order TEMP
Session expiring after: 1:25:46
Renew
File Edit View Arrange Extras
100%
BPMN Gateways
Retailer
Retailer production order
Retailer production order correction(s) request
Prouction order received
Request Correction(s)
Request sent
Enter Sales Order
Prepare & Send Production Order Rejection
Check Production Order
NO
YES
Production order OK?
ENTERPRISE
SALES
WAREHOUSE
ACCOUNT MANAGER
LOGISTICS PLANNER
Gateways are pulled from the **BPMN Gateway** category in the left side panel. In this example of a Retailer Production Order business process model, we are only using the **Exclusive Gateway** shape.
Diagram
View
Grid
10 pt
Guides
Page View
Background
Image
Options
Connection arrows
Connection points
Paper Size
US-Letter (8,5" x 11")
Portrait
Landscape
Edit Data
Clear Default Style

Tips & Tricks of the Trade!

Get to know and learn some nice-to-know tips and tricks of how to work effectively with the modelling software component.



Many basic functions are work the same way as most other general software products. This includes, but is not limited to functions such as:

- **CTRL+A** = Select all objects on the canvas.
- **CTRL+S** = Saves the current model using the same name.
- **CTRL+Shift+L** = Shows the “Layers” window that you can use to place shapes, texts and object elements in different layers (on top or below each other).
- **CTRL+Shift+G** = Show a Grid-based canvas background. Useful for structuring and aligning elements on your canvas.
- **CTRL+G** = Groups elements together. Simply pick the elements you want, and the hit CTRL+G to group the elements together. Makes it easy to drag multiple elements around on the canvas while keeping the design intact.
- **CTRL+L** = Locks/unlocks elements (shapes, texts, objects, etc.) on the canvas. This is very useful for locking elements so that you do not accidentally delete or move them around unintentionally.

All of these highly useful functions are also available from the top main menu.

Enjoy!

Enjoy your modelling journey, and we hope that you learned something and gained valuable knowledge from this tutorial.