

Exercise: Create a simple BOM without a version

As a new assistant to the product designer at **USMF**, you are asked to create a simple BOM for a new Light Cabinet. Use the following specifications and approve the BOM by using employee 000020, Julia Funderburk. Remember you do not have to add versions to this BOM. Create a simple BOM by using the following parameters:

- Name: Light Cabinet
 - Item group: Audio
 - Site: 1
 - Item:
 - M0005 Enclosure
 - M0006 Binding posts
 - P0002 Speaker Damping Foam
 - Quantity for each item: 1
1. Go to **Product information management > Bills of materials and formulas > Bills of materials**.
 2. Click **New**.
 3. In the **Name** field, type 'Light Cabinet'.
 4. In the **Site** field, enter or select 1
 5. In the **Item group** field, enter or select Audio
 6. Click **Save**.
 7. In the Bill of materials lines section, click **New**.
 8. In the **Item number** field, type 'M0005'.
 9. Click **New**.
 10. In the **Item number** field, type 'M0006'.
 11. Click **New**.
 12. In the **Item number** field, type 'P0002'.
 13. In the action pane, click **Approval**. Select 000020, Julia Funderburk
 14. Click **OK**.
 15. Click **Save**.
 16. Close all pages.

Exercise: Create a BOM in the BOM Designer

As a new assistant to the product designer at **USMF**, you have received a new specification for the enclosure side. An item is not set up for this specification. Therefore, you only need to

create a simple BOM with component lines. Create a BOM titled “High Quality Speaker” and assign it to the Audio item group at site 1. Use the BOM designer to add the following items and quantities from the list and approve the BOM by using employee 000020, Julia Funderburk. Add items with warehouse 11 and the following quantity:

- 1 qty of M0008 / High End Cabinet / Black
- 2 qty of M0002 / Mid-Range Speaker Unit
- 1 qty of M0009 / Protective Corners

1. Go to **Product information management > Bills of materials and formulas > Bills of materials**.
 2. Click **New**.
 3. In the **Name** field, type 'High Quality Speaker'.
 4. In the **Site** field, type '1'.
 5. In the **Item group** field, enter or select Audio
 6. In the action pane, click **Designer**.
 7. Click **BOM lines**.
 8. Click **Add to component BOM**.
 9. In the list, find and select M0008 / High End Cabinet / Black
 10. Click **OK**.
 11. Click **BOM lines**.
 12. Click **Add after line**.
 13. In the list, find and select M0009 / Protective Corners
 14. Click **OK**.
 15. Click **BOM lines**.
 16. Click **Add before line**.
 17. In the list, find and select M0002 / Mid-Range Speaker Unit
 18. Click **OK**.
 19. Close the BOM lines page.
 20. Refresh the Bill of Materials page.
 21. In the Bill of materials lines, find and select the row for M0002 / Mid-Range Speaker Unit
 22. Set **Quantity** to '2.0000'.
 23. Click **Approval**. Select 000020, Julia Funderburk
 24. Click **OK**.
 25. Close all pages.
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Exercise: Creating a BOM with a version

The sales department has identified a need for High Quality Speaker, with the color Rosewood instead of the Black. As the product designer, you are asked to create a BOM item by using the following specifications:

- Item number: 72708
- Item name: High Quality Speaker Rosewood
- Item group: Audio
- Item model group: FIFO
- Storage Dimension group: SiteWH
- Tracking Dimension group: None
- Warehouse 11
- Approved by: 000020, Julia Funderburk

First, create a version named High Quality Speaker Red. Because the configuration setting is the same as the item D0004, make a copy of the existing BOM. After the components are copied to the new BOM, remove item M0008 / High End Cabinet / Black and add item M0008 / High End Cabinet / Red for a quantity of 1.

Employee 000020, Julia Funderburk must approve the version. Do not activate the BOM because the item is not ready for use yet.

1. Go to **Product information management > Products > Released products**.
2. Click **New**.
3. In the **Product number** field, type '72708'.
4. In the **Product name** field, type 'High Quality Speaker Red'.
5. In the **Item model group** field, enter or select FIFO
6. In the **Item group** field, enter or select Audio
7. In the **Storage dimension** group field, enter or select SiteWH
8. In the **Tracking dimension** group field, enter or select None
9. Click **OK**.
10. On the Action Pane, click **Manage inventory**.
11. Click **Default order settings**.
12. In the **Default order type** field, select 'Production'.
13. Under the **Inventory** fasttab, In the **Default warehouse** field, type '11'.
14. Close the page.
15. On the Action Pane, click **Engineer**.
16. Click **Designer**.
17. Click **BOM**.
18. Click **Create version**.
19. In the **Name** field, type 'High Quality Speaker Rosewood'.
20. Select **Yes** in the **Copy** field.

21. In the **Site** field, type '1'.
22. Click **OK**.
23. In the **Item number** field, enter or select D0004
24. Click **OK**.
25. In the tree, select 'Item number: 72708\M0008 / High End Cabinet'.
26. Click **BOM lines**.
27. Click **Delete**.
28. Click **BOM lines**.
29. Click **Add before line**.
30. In the list, find and select M0008 / High End Cabinet / Rosewood
31. Click **OK**.
32. In the tree, select 'Item number: 72708'.
33. Click **BOM**.
34. Click **BOM versions**.
35. Click **Approve**. Select 000020, Julia Funderburk
36. Select **Yes** in the **Do you also want to approve the bill of materials?** field.
37. Click **OK**.
38. Close all pages.

Exercise: Create a Production Order

Manually create a production order for 10 pcs of Item: '72708' as follows:

- Use Production PRD_00000582.
 - Use Item '72708'. You must have completed exercise 3.
 - Set Order quantity to 10 pieces.
 - Set the Delivery date to the current date plus four days.
 - Set the Delivery time to 10:15 A.M.
1. Go to **Production control > Production orders > All production orders**.
 2. Click **New production order**.
 3. In the **Item number** field, enter or select 72708
 4. Set **Quantity** to '10.00'.
 5. In the **Time** field, enter 10:15 AM
 6. Click **Create**.
 7. Click **Estimate**.
 8. Click **OK**.
 9. Click **Release**.
 10. Click **OK**.
 11. Click **Start**.

12. Click **OK**.
13. Click **Report as finished**.
14. Click **OK**.
15. Click **End**.
16. Click **OK**.
17. Close all pages.