

## MB-320<sup>Q&As</sup>

Microsoft Dynamics 365 Supply Chain Management, Manufacturing

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**QUESTION 1****HOTSPOT**

You need to resolve the issue for UserG.

What should you do? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

**Requirement****Action****Item setup**

Assign size and color.
Assign Product Master constraints.
Assign size and style.
Assign product category.

**Lifecycle state**

Assign to the Product Master. Set as inactive after the holiday season.
Assign to the Product Variant. Set as inactive after the holiday season.
Assign to the Product Master. Set as active after the holiday season.
Assign to the Product Variant. Set as active after the holiday season.

Correct Answer:

## Requirement

## Action

### Item setup

Assign size and color.
Assign Product Master constraints.
Assign size and style.
Assign product category.

### Lifecycle state

Assign to the Product Master. Set as inactive after the holiday season.
Assign to the Product Variant. Set as inactive after the holiday season.
Assign to the Product Master. Set as active after the holiday season.
Assign to the Product Variant. Set as active after the holiday season.

Explanation:

Box 1: Assign size and color.

UserG must plan the specialty desserts for the current holiday season.

Specialty desserts are offered during the holiday season. This year, customers may specify additional icing colors and cake layers when placing orders. Depending on the popularity of two of the new colors, they may be offered the next year.

Box 2: Assign to the Product Variant. Set as inactive after the holiday season,

A released product or product variant can be associated with a product lifecycle state that documents in which lifecycle state a specific product or variant is currently in. You can define any number of product lifecycle states by assigning a

state name and description. You can select one lifecycle state as the default state for new released products. Released product variants inherit their product lifecycle state from their released product master on creation. When changing the

lifecycle state on a released product master, you can choose to update all existing variants that have the same original state.

Reference: <https://docs.microsoft.com/en-us/dynamics365/supply-chain/pim/product-lifecycle>

## QUESTION 2

You are the lead product design engineer at a plastics manufacturing company. You implement a new process that uses a single tool to produce three finished goods at the same time.

You need to set up the planning item number and formula to correctly to manufacture the three items.

Which three actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Create item number for planning item and the associated formula
- B. Add minimum and maximum quantities on formula
- C. Add a coverage group to the formula
- D. Assign co-products to the formula
- E. Specify each of the finished good items as co-products

Correct Answer: ADE

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### QUESTION 3

You need to resolve the issue for UserC.

Which two options should you configure? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. Forward tracing
- B. Best advice period in days
- C. Best before period in days
- D. Backward tracing
- E. Shelf life period in days

Correct Answer: CE

Explanation: Scenario:

\*

UserC learns that mixes containing BaseA have been stamped with a batch date from the flour vendor and is not being calculated from the mix manufacturing date. The mixes from the past month that might be impacted need to be identified and the calculation needs to be corrected.

\*

BaseA and BaseB are made in large batches and stored until they are used in the other mixes.

\*

Mixes with BaseA have a shelf life of six months due to the type of flour it uses.

You can reset shelf life dates for an inventory batch.

Use this procedure to reset the shelf life date for an inventory batch. The shelf life defines the effective period of a product as measured in days, months, or years. Reports and picking strategies for products are determined based on the shelf

life of a particular lot by using FIFO (First In, First Out) rules.

Click Inventory management > Inquiries > Dimensions > Batches.

Select the inventory batch to update.

Click Reset shelf life dates.

In the Reset shelf life dates form, select a new date in the date field that you want to change.

Manufacturing date

Shelf advice date ? Select the recommended date when a batch or lot should be retested to validate that it still meets testing standards.

Best before date ? Select the date before an inventory batch is best used. If you change the best before date, you are asked whether to recalculate the expiration date.

Note: In the Shelf life period in days field, enter the number of days that are added to the batch date of the item to determine the expiration date of the item.

Reference: <https://docs.microsoft.com/en-us/dynamicsax-2012/appuser-itpro/reset-shelf-life-dates-for-an-inventory-batch>

<https://docs.microsoft.com/en-us/dynamicsax-2012/appuser-itpro/set-up-an-item-as-a-shelf-life-item>

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## QUESTION 4

### Background

Adventure Works Cycles is a high-end bicycle manufacturer in North America. Their standard model bicycles are available year-round. Limited-edition bicycle models are released several times a year to boutique retailers domestically. Adventure Works has had the most success with their limited-edition bicycles. These bicycles have high margins, are in high demand, and have a strong following with the younger generation biking community.

### Current environment General

Adventure Works expects to triple their manufacturing capabilities in the next few years due to increasing demand. The company plans to invest in Dynamics 365 Finance, Dynamics 365 Supply Chain Management, and the Power Platform

products to migrate from a custom-built enterprise resource planning (ERP) solution and Microsoft Excel worksheets.

Adventure Works sells only to the United States and Canada. Despite their limited market, they cannot keep up with current demand. Over time, they want to expand their market to remain profitable.

Adventure Works has no capabilities or budget to undertake any development beyond Excel formula-level tasks.

### Bicycle manufacturing

1.

Bicycle models are measured and reported against how well a single model performs as a sum of all the variations of that model. For example, the Street Kid YOLO model sold 25,000 units in 2019 across all variations of the product, but the Purple Female frame made up 30 percent of that model's sales.

2.

The Street Kid YOLO models sell in different volumes depending on the market.

3.

The creation of production orders for bicycles occurs monthly and is based on historical sales.

4.

Each part of a bicycle's assembly occurs at a different station in the Adventure Works production facility.

5.

A piece of paper that has eight sections accompanies a bicycle throughout the manufacturing process. As each step is completed, the respective section is completed and signed off by a production worker.

6.

The completed paper is used in the put-away process by the warehouse workers.

## Financials

1.

The standard model and limited-edition bicycle teams are separate operating units within the manufacturing division. Financials are tracked and reported separately even though they are produced and sold in the same sales channels.

2.

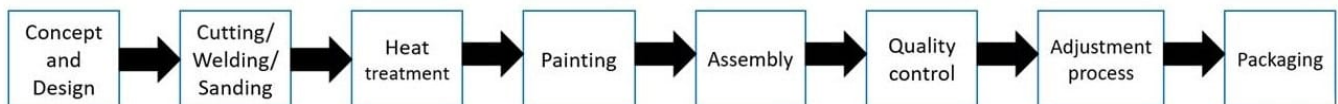
Updates to the standard model bicycle models are created when a part for a bicycle becomes unavailable. This can change the cost of the product.

3.

An updated model of a bicycle with new parts will be maintained as a new item and have a new price. However, it will look like the exact same product to retailers and distributors.

## Manufacturing process

The bicycle manufacturing process is shown in the following graphic:



## Limited-edition bicycle process

The limited-edition bicycles are made up of an Adventure Works custom frame with all other parts created by local artists and manufacturers.

1.

Each bicycle has a unique set of new items that make up the bill of materials (BOM) because all parts are created to specification.

2.

A single pilot limited-edition bicycle is created as a proof of concept.

3.

Adventure Works occasionally reuses components from existing bicycles, but most limited-edition bicycles are made of handcrafted components designed to specifications.

4.

Each limited-edition bicycle is built, and hand signed by a single Adventure Works artisan.

5.

Sales price must be auto calculated after the cost price is derived.

6.

Before creating the proof of concept limited-edition bicycle, the approximate sales price needs to be determined through a cost-plus 20 percent calculation.

7.

All items except for the frame in the prototype process are considered finished items and can be sold individually.

8.

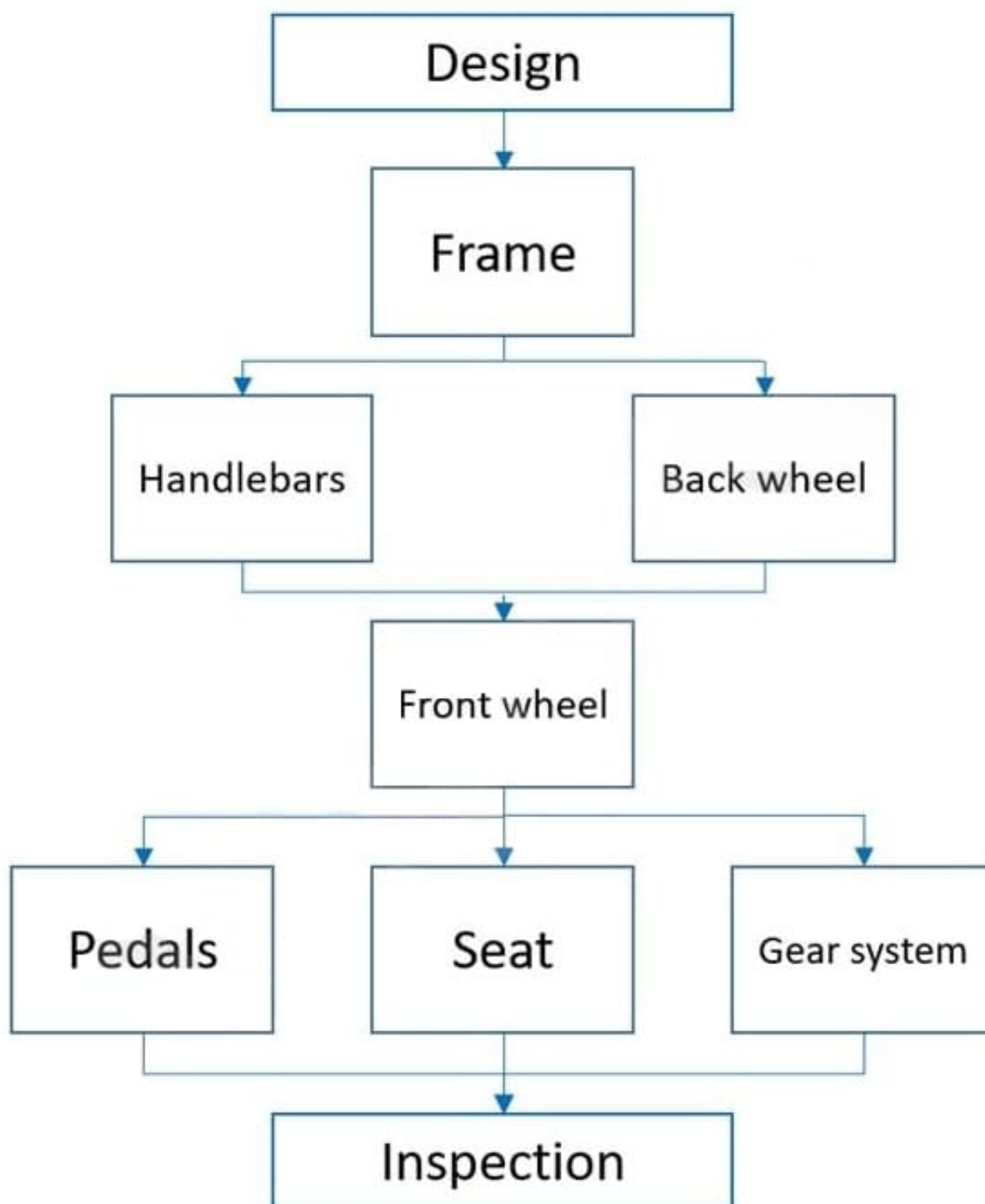
The frame items require modifications in accordance with the manufacturing process as well as painting.

9.

Each Adventure Works limited-edition bicycle artisan is scheduled to create a specific number of bicycles in a production run that must be completed by a certain date. 10. Limited-edition bicycle artisans work exclusively on a given run of limited-edition bicycles and are not able to work on other tasks.

Limited-edition bicycle BOM assembly process

The prototype process for the limited-edition bicycles is shown in the following graphic:



## Requirements

### General

1.

Adventure Works will consist of three legal entities: the primary legal entity of the United States (AWUS), sales in Canada (AWCA), and an international expansion (AWIN).



2.

AWIN must be able to sell only standard model bicycles.

3.

AWUS and AWCA must be able to sell both standard model and limited-edition bicycles.

4.

Warehouse workers must use the Warehouse Management mobile application to manage all inventory inbound and outbound from the warehouse.

Bicycle manufacturing

1.

The handlebars, back wheels, and front wheels must not change for any of the bicycle model configurations.

2.

Standard model bicycle production scheduling must be configured to start as soon as possible.

3.

Bicycle components must be automatically reserved when the item is released to the production floor.

4.

Standard model bicycle production must be automatically created on a predefined schedule.

5.

As soon as bicycles are completed, they must be available to fulfill the backlog of orders.

6.

Limited-edition bicycle production must be configured to meet the end date for when the bicycles must be completed.

7.

Production orders need to track financials by standard model or limited-edition bicycle manufacturing teams.

8.

The system must log the immediate consumption of BOMs for traceability.

9.

All inventory is warehouse enabled.

10.Finished goods are reported as finished by the warehouse worker who picks up the finished product from the packaging area.

11.Finished products must automatically have put-away work completed for them.

New limited-edition bicycle process

Adventure Works is creating a new, limited-edition bicycle to commemorate the company's tenth anniversary. The limited-edition bicycle will be designed for charity events and be produced for the summer season.

1.

The bicycle must be available in men's, women's, and unisex frame styles. It will be painted in one of 50 hand-painted designs representing the charity of the customer's choosing.

2.

A limited run of 100 bicycles must be created.

3.

The limited-edition bicycles must use the same production process as the standard model bicycles.

4.

The limited-edition bicycles must use the same parts used for previous limited-edition bicycles, except for the unique paint colors.

5.

Frames must be painted in-house.

6.

Five painting options are available only in the unisex frame style.

New limited-edition bicycle orders

1.

Customers must be able to place sales orders for the item in the chosen frame configuration, including style and color.

2.

When an order for the new limited-edition bicycle is created, payment must be provided.

3.

An approval for an order must exist for the order to be processed.

4.

Upon approval of an order, production must start immediately and not require re-entry of data.

A. Sales order line

B. Master planning execution

C. Supply schedule form

D. Released item

E. All production orders form

Correct Answer: C

Reference: <https://docs.microsoft.com/en-us/dynamics365/supply-chain/master-planning/supply-schedule>

## QUESTION 5

You are the quality assurance manager of a pharmaceuticals company.

One of your customers has requested to only receive batches of item B0001 that have an acid concentration between 5.5% -10.5%.

You need to set up the customer specific batch attribute to track percent acid for B0001.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

Create a batch attribute, acid, of type fraction	
Add the customer-specific batch attribute on item B0001 for the customer and configure the range to 5.5 to 10.5	
Create a batch attribute of type string	
Define the allowable acid percentage-based attribute enumeration values.	
Define acid as a product-specific batch attribute on item B0001	

Correct Answer:

	Create a batch attribute, acid, of type fraction
	Define acid as a product-specific batch attribute on item B0001
Create a batch attribute of type string	Add the customer-specific batch attribute on item B0001 for the customer and configure the range to 5.5 to 10.5
Define the allowable acid percentage-based attribute enumeration values.	

Reference: <https://docs.microsoft.com/en-us/dynamics365/supply-chain/production-control/batch-attributes>

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