Solution: WM I Challenge

Learning Objective Understand and perform a warehousing process for ext. goods.

Motivation After you finished the *Warehouse Management I* case study successfully you should now be able to solve the following challenge.

Scenario The warehouse management system has been tested without any problems, so the management decided to use the system productively. Now your task is to order two different products (water bottles and road helmets) from the supplier *Spy Gear*, 50 pieces each. A water bottle will cost 11 USD and a road helmet will cost 27 USD. The trading goods should be delivered in 8 days.

After the goods arrived in your Distribution Center in San Diego they need to be transferred in two different bins.

Task Information You can use the *Warehouse Management I* case study as a guideline but it is recommended to complete this challenge without further assistance to prove your WM skills.

Create Purchase Order

Create Purchase Order

To create a purchase order, use the app *Create Purchase Order*. Change the type of purchase order to **Standard PO**.

Standard PO

In the *Supplier* field press F4. Enter **Spy Gear** as *Name* and your **search term**. Then press enter.

Spy Gear
Search term

Restrict Value Range (1)	✕

∨ Suppliers (General) Suppliers by Country/Company Code Suppliers by Company Code ○○○

Search term: `000`

Country: ` `

Postal Code: ` `

City: ` `

Name: `Spy Gear`

Supplier: ` `

Deletion flag: ` `

Maximum No. of Hits: `500`

[Find] [Multiple Selection] [Close]

Choose the number of your vendor with double click. Confirm your entry with pressing Enter. Accept any warning messages with Enter.

Fill in **US00** as Purch.Org., **N00** as Purch. group and **US00** as Company Code.

<	**SAP**	**Create Purchase Order**	🔍 ❓

Document Overview On 📄 📑 Hold ⚖ ⓘ 🖨 Print Preview Messages ⓘ More ∨ 🔍 🖨

🛒 | NB Standard PO ∨ | | Supplier: `107007 Spy Gear`

Delivery/Invoice Conditions Texts Address Communication Partners Additional Data **Org. Data**

Purch. Org.: `US00`

Purch. Group: `N00`

Company Code: `US00`

Select [⊞], to expand the Item Overview. Enter **BOTL1###** as Material (replace ### with your number), **50** as PO Quantity, as Delivery Date **8 days from today**, as Net Price **11 USD**, **SD00** as Plant and **TG00** as Storage Location.

For the road helmets enter **RHMT1###** as Material (replace ### with your number), **50** as PO Quantity, as Delivery Date **8 days from today**, as Net Price **27 USD** and **SD00** as Plant.

Confirm your entries by pressing Enter and then enter **TG00** as Storage Location. Compare your entries with the screenshot below.

| S...	Itm	A	I	Material	Short Text	PO Quan...	O...	C	Deliv. Date	Net Pr...	Curr...	P..	O..	Matl Group	Plnt	Stor. Location
☐	10			BOTL1000	Water Bottle	50	EA	D	06/21/2022	11.00	USD	1	E...	Utilities	DC San Diego	Trading Goods
☐	20			RHMT1000	Road Helmet	50	EA	D	06/21/2022	27.00	USD	1	E...	Safety Gear	DC San Diego	Trading Goods

Then, click on [**Save**] to save your order. The system will assign a Standard PO **document number**.

Click on **SAP** to return to the SAP Fiori Launchpad.

Receive Goods

With the app *Post Goods Receipt*, you receive your goods.
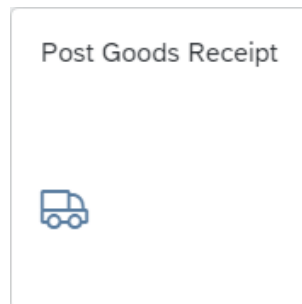
Post Goods Receipt

Change the material document in the drop down menu to **Goods Receipt**, adjust the type of Goods Receipt to a **Purchase Order**, and input your **Purchase Order Number** in the blank space next to it.

Goods Receipt
Purchase Order
Purchase Order Number

If you have not written down the PO number you created in the first task, you may use the F4 help in the PO number field (first blank field next to the second drop-down field).

In the following screen, use ⚬⚬⚬ to choose the *Purchasing Documents for Material* tab. Then, enter **BOTL1###** as material and press Enter.

BOTL1###

Now double click on your entry.

After your order is filled in, please blank out the position field (Field behind your order number).

Note If you do not clear this field, only one of the two line items of your purchase order may be transferred.

Then press Enter.

After your purchase order data comes up. Select the check boxes in the **OK** column. If one of the boxes is grayed out click on [icon] to close the Detail Data Screen. Make sure that Quantity is **50**, SLoc is **TG00**, Movement Type is **101** and Stock Type is **Unrestricted Use**.

OK

50
TG00
101
Unrestricted Use

Note If the check mark in the **OK** column is not captured yet, select the document number a second time. Now you have four columns available. Put a check mark in the last two of the **OK** column and click on 🗑 **Delete**.
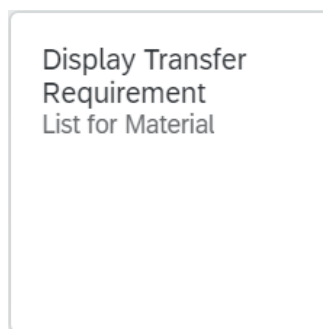
Then, click on **Post** to save your receipt. The system will assign a unique material document number.

Material Document Number
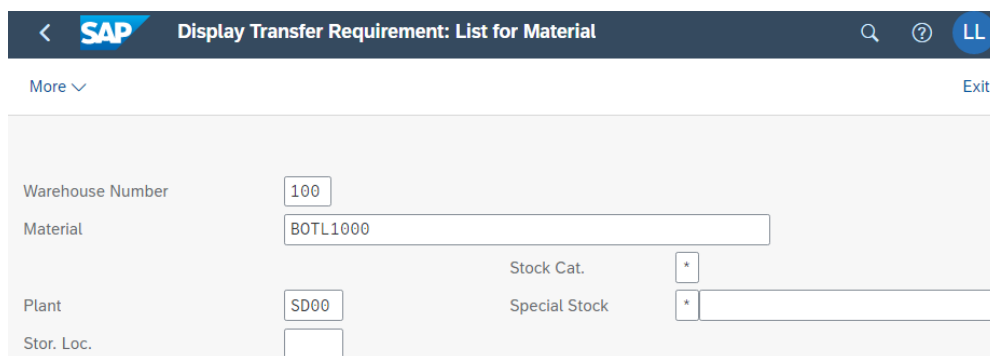
Click on **SAP** to return to the SAP Fiori Launchpad.

Create Transfer Order

With the app *Display Transfer Requirement – List for Material*, you can create a transfer order.

Display Transfer Requirement
List for Material

In the *Display Transfer Requirement: List for Material* screen, enter **100** (for your San Diego Warehouse) as Warehouse Number, **BOTL1###** as Material (replace ### with your number) and **SD00** as Plant. Then press Enter.

100
BOTL1###
SD00

In the *Transfer Requirements for Material* screen, you should see a line item describing the goods just received for your purchase order. The requirement number should be the same as the purchase order number you received earlier.

Make sure that the line item is selected and click on the TO in Foreground button.

S	TR Number	Item	Pr	MTy	Description	R	Rqmnt.No.	Open quantity	AUn	C
☑	0000000031	0001		101	Goods receipt for pur.or.	B	4500000025	50	EA	

Whse number 100 — San Diego Warehouse
Material BOTL1000 — Water Bottle

In the *Create TO for TR 00000000XX 0001: Prepare for Putaway* screen, hit Enter to copy your quantity of 50 from the *Palletization* section to the *Items* section. Enter **001** as Sec, **STBN-1-###** as Destination Bin (replace ### with your number) and use F4 to select **Shelf Storage** as Type. Confirm your entries by pressing Enter.

001
STBN-1-###
001 (Shelf Storage)

Create TO for TR 0000000031 0001: Prepare for Putaway

Generate + Next Mat.   Pre-Allocated Stock   Add to Existing Stock   More ∨

Material: BOTL1000
Water Bottle

Plant/Stor.loc.: SD00   TG00   Movement Type: 101 Goods receipt for pur.or.
Stock Category: [ ]   Source Stor.Bin: 003   4500000025
Special Stock: [ ]   GR Date: 06/14/2022
Stock Segment: [ ]

Palletization

SU	Qty per SUnit	SUT	Typ	Sec
	X			
	X 50			

Quantities

Stck plcmnt qty: 50 EA
Open Quantity: 0
Total TO items: 0

Items

	Itm	Dest.target quantity	SUT	Type	Sec	Destination Bin	Dest.storage unit	T	Batch
☐	1	50		001	001	STBN-1-000		☐	
☐	2							☐	
☐	3							☐	

Then, click on **Posting** to save your transfer order. If any warnings occur ignore them by pressing Enter. The system will assign a unique transfer order number.

Please write down this number.

Transfer Order Number

Repeat the whole procedure for your material **RHMT1###**. Choose **STBN-2-###** as storage area, to deposit the road helmets to another storage area. Again, use **Shelf Storage** as Type. Here, we have a second transfer order. The system gives a second number for your transfer order.
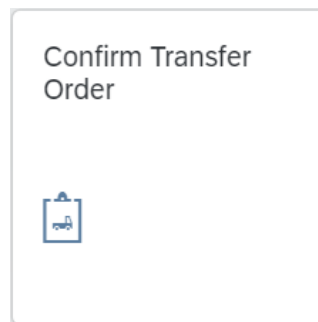
RHMT1###
STBN-2-###
001

Please write down this number.

Transfer Order Number

Click on **SAP** to return to the SAP Fiori Launchpad.

Confirm Transfer Order

To confirm the transfer order please use the app *Confirm Transfer Order*.

Confirm Transfer
Order

In the *Confirm Transfer Order: Initial Screen*, enter the **Transfer Order Number** from the previous task and **100** as Warehouse Number. Then press Enter.

Transfer Order Number
100

Note If you have not written down the number you can search for it using the app *Display Transfer Order*.

In the *Confirm Transfer Order: Overview of Transfer Order Items* screen you should see an overview of your transfer order created in the previous step. Review all of the details to make sure you have the correct quantity and storage bin.

Then, click on **Posting** to confirm your transfer order. The system will return a success message.

Repeat this step for your other transfer order number (second material). Also here, the system will return a success message.

Click on **SAP** to return to the SAP Fiori Launchpad.

Repeat for other transfer order number