

SAP PORTFOLIO PROJECT DANACA MARIER

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Overview

This report is a presentation based on the skills and knowledge collected in the Durham Colleges SAP course COMP 2115 with Professor Jackie Shemko. Here we will be able to see the overall knowledge collected throughout the semester by Danaca Marier in Fall 2023 through a final project on the Fitter Snacker business. Fitter Snacker is an imaginary energy bar company set and engaged with over the semester to teach students skills with SAP software in a real-life business example. Fitter Snacker has three product categories raw goods, semi-finished goods, and finished goods. The two finished goods include NRG-A bars and NRG-B bars, their semi-finished goods include the dough to make the finished good and the raw goods include a wide range of raw materials. This report will be using given tasks to complete that are based around and look at SAP steps such as creating inquiries, the procurement process, the bill of materials, and other important tasks completed in SAP software.

Task #1-Create an Inquiry

In this task, we had a customer in the wholesale distribution channel come to Fitter Snacker asking for 25 cases of our NRG-A bars. For us to let the customer know if we have the stock and how much it will cost, we will need to create an inquiry. In the first screenshot, we can see the screen for creating our inquiry, we have inputted the item they are requesting using the material code under "Material" and the quantity under "Order Quantity". The customer is inputted under "Sold-To-Party" and their customer reference number is inserted in the "Cust. Reference" slot. The "Valid From" is the date the inquiry was made and the "Valid To" is one month after the inquiry was made and is the time in which we will honor the price. After the "Valid To" date we can no longer honor the inquiry price and the customer will need to make a new inquiry or purchase the product at the price the product is currently selling for. Here we can also see the net value of the order inquiry.



In this screenshot, we are further looking into the conditions of the inquiry for our customer Meijer of 25 cases of NRG-A bars. Under the conditions tab, we can see further information such as the net value per case, the internal

price per case, and the profit per case. We can also see any discounts the customers may be getting on an order, in this case, we can see they will not be getting a discount. The net price will be \$5,750 with a net value of \$230 per case. The internal price is \$201.60 per case with a profit of \$28.40 per case.

< SAP	,		C	Create Inquiry	r: Item Data					
	✓	More ~								Exit
IK K > >I Sales D	ocument Item: 10 Material: 28F100	lte	em catego	ory: AFN	nquiry Item 28 NRG-A					÷
Sales A Quantit	Sales B Shipping Bi	CV Net: Tax:	nditions	Account	Assignment Schedul	e lines	Part	ner Te	exts Order Data	>
L., CnTv	Name	Amount	Crcv	per Uo	Condition Value	Curr.	Status	NumCCo	ATO/MTS Component	
	Net Value for Item	230.00	USD	1CV	5,750.00	USD	otatao	1	in entre component	-0
	Net Value 2	230.00	USD	1 CV	5,750.00	USD		1		Ť
	Total	230.00	USD	1 CV	5,750.00	USD		1		
🗆 🔳 SKTO	Cash Discount	0.000	6		0.00	USD		0		
VPRS	Internal price	201.60	JSD	1 CV	5,040.00	USD		1		
	Standard - USA /With	28.40	USD	1 CV	710.00	USD		1		41
										-
									Save	Cancel

This screenshot shows us the available quantity of our NRG-A bars, we currently have 959 cases of bars meaning we are available to promise Meijer 25 cases.

< SAP			Availability Overview			
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Mat F MRP / Base	erial: 28F 28 N Plant: 28P Area: 28P Unit: CV	160 RG-A T T	Avail. check: 02 Check.r With reqmts qtys: 🗹	ule: A		
Totals display						
Receipts: Issues: ATP situation		959 0	Confrmd issues: 0			
Date	MRP el	Stock Segment	MRP element data	Rec./reqd qty	Confirmed	Cum. ATP qty
12/04/2023	Stock			9	59	
12/04/2023	SLocSt		300	9	59	
Current page / To	otal:	\bigcirc	1 /	1		
\leftrightarrow						(

Now that we have confirmed the inquiry with our stock and have overlooked all the information needed for this customer, we can process the inquiry. SAP lets us know the inquiry has been saved with a notification at the bottom of our screen.

< SAP	Create Inquiry: Ov	erview					
✓ 6∂ - 1							Exit
Inquiry: Ne	t Value:	0.00					¢
Cust. Reference: Cust. Re	ef. Date:	P 😩					_
Sales Item Overview Item detail Ordering party Proce	urement Shipping	Reason for rejection					
Valid From: V *Req. Deliv.Date D 12/04/2023 Expect.0	/alid To:	0.00					
	dir Group 🔍					0	
Item Material	Req. Segment	Order Quantity	SU	Altitm	Item Description		
						Ŷ	- 1
							0
Inquiry 10000438 has been saved.						Save	Cancel

Task #2- The Procurement Cycle

In this task, we have been asked to order 5000 pounds of our raw material Wheat Germ from supplier Grand Rapids Grains. This first screenshot looks at the original stock/requirements list before we ordered the product, currently, we have 1,950 available quantity.

✓ Show Overview Tree C T More ✓ Q Q Q @ 2] Exit
Materiat: 28R420 Description: 28 Wheat Germ MRP Area: 28PT Plant: 28PT MRP type: PD Material type: ROH Unit: LB	
Σ 68 🖉 🏕 🛠 🚊 Date 🖽 GR 🖽 ST On Cust. Page 1 / 1	
Image: Second	0
	× >×

The first step in the procurement cycle and ordering product is purchase requisition this is where we request to buy the product. This this screenshot we are creating a purchase requisition, we have filled out all the needed information including the material, quantity needed, delivery date, and storage location, and the system auto-fills in the material group. Once we have confirmed the inputted information we can click "save" to save the purchase requisition.

<	SAP					Cre	eate Purchas	se Req	uisition					
		\sim	Docu	ment Overview (On 🚹 🔄	n i	실 Personal	Setting	More \vee			Q		Exit
P	urchase ader	Requisition	ı	~	So	urce Determin	ation							
20			=	F Q Q+ 7	γ~ Σ~	±∕Σ ∨ ₽		/ 賜	~ i 🖻		Default Values			
	Stat	Item A	1	Material	Short Text		Quantity	Unit	C Delivery Date	Material Group	Plant	Stor. Location	PC	
		10		28R420	28 Wheat Germ		5,000	LB	D 12/25/2023	Raw & Semifi	28 Fitter Snack	Raw Materials	28	
											28 Fitter Snack			
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H Iten	n Detail													
													Save	Cancel

The system will let us know the purchased requisition has been saved with a notification at the bottom of the screen.



The next step in the procurement process is to create a purchase order, this is the official order of the product. In this screenshot, we are looking at the order form, we can see the vendor Grand Rapids Grains, material 28R420 which is the code for Wheat Germ, quantity of 5,000, and a gross price of \$0.30, with a net value of \$1,500. This page also shows us our delivery date. Once we have confirmed the information is all correct we can save the purchase order to SAP.

< SAP		Create Purchase Order		
	- Document Overview Off 🚹 🔄 Hold	🏚 🗒 Print Preview Message	es î More \vee	C, 🛱 🖳 V Exit
Document Overview	Standard PO > Header 근	Vendor: 28B100 2	8 Grand Rapids Grains	CDoc. Date: 12/04/2023
Purch.Reg./Re	S Itm A I Material	Short Text	PO Quantity DUn C	Deliv. Date Net Price
✓ >		28 Wheat Germ	5,000 <mark>1</mark> B D 1	<mark>2/25/2023</mark> 0.30ເ ເ
			Default Values	Addl Pla
	Item: [10] 28R420 , 28 Wheat Ge	rm ~	∧ ∨	
	Material Data Quantities/Weights	Delivery Schedule Delivery	Invoice Conditions Te	exts Delivery Addr.
	Quantity: 5,000 LB	Net:	1,500.00 USD	
	ି 🕀 🕞 ରେ Condition Record	📆 Analysis		© Update
	Pricing Elements			0
	I CnTy Name A	mount Crcy pe	r Uo Condition Value	Curr. Status NumCC
	PBXX Gross Price	0.30 USD	1LB 1,500.00	USD 🗘
				Save Cancel

We know the purchase order has been saved by the notification SAP gives us in the bottom of our screen.

Standard PO created under the number 4500000423

The next step in the procurement process is the receipt of the goods, the product has now been shipped and arrived at our warehouse, so we need to complete the goods recipe that confirms the product has made it in full. On this screenshot, we can see all the important information on the order such as the quantity, order number, location, and material. Once we have confirmed all the product has made it to our warehouse, we can select "OK" which confirms it is here and post the goods receipt to trigger the next step in the procurement process and notify SAP.

< SAP	Goods Receipt Purch	ase Order 4500000423 - FS-28		
~	Hide Overview More \vee		I	Find 🔍 🗡 Exit
	Goods Receipt v Purchase Order v	4500000423		GR goods rect 🗘
My Documents				
∨ Purchase Orders	는 General Vendor 용			
450000423				
450000323				
450000244	Document Date: 12/04/2023	Delivery Note:	Vendor: 28 Grand	Rapids Grains
4500000156	Posting Date: 12/04/2023	Bill of Lading:	HeaderText:	
450000029		5		
~ Reservations				
Blank				
\sim Material Documents	Line Mat. Short Text	V OK Qty in UnE	EUn SLoc	Stock Segment
500000360	1 28 Wheat Germ		I B Raw Materials	
490000482		5,000	ED Raw Materiats	
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500000160				
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✓Held Data				
Blank	Aterial Quantity Where Purchase O	rder Data Partner		
				<u> </u>
			Post Cancel Re	estart Hold Check

SAP will let us know if the goods receipt has been saved by giving us a notification at the bottom of our screen.

Material document 5000000592 posted View details

The next step in the procurement process is the invoice receipt, this is where we can see the amount, we owe the vendor. On this screen, we can see the incoming invoice, from this, we know we owe the vendor Grand Rapids Grains \$1,500 for our ordered 5000 lb of quantity. Once we have confirmed all the information on this page we will post it to finalize the invoice and trigger SAP to start the accounting process of paying the vendor.

< SAP				Enter	Incoming Invoi	ce: Con	npany C	ode 28FS				
	✓ Show PO s	tructure S	now worklist	5	🗱 Simulate	i Help	o 🔍	NF More \sim				Exit
는 Basic Data Pay	ment Details	Тах	Contacts	Note				Vendor 28B100				¢
Invoice da Posting D Amou	te: 12/04/2023 ate: 12/04/2023 nt: 1,500.00		Referenc	e:	USD		0	Company 28 Grand Rapid 1335 Sherman S Grand Rapids M	s Grains St. II 49506		¥0	
Tax Amo T	unt:		Calculate	Tax	~						I OI]
Paymt ter Baseline D	ms: Due immediat ate: 12/04/2023	ety					\$					
PO Reference												
Purchase Order/Sc	neduling Agreemen	t v	4500000423	}	Ì				Goods/ser *Layout: Al	vice items Linformation	<u> </u>	
Item Amo	int	Quantity	OI	E7	Purchase ord	Item	PO Te	ext			Tax Code	
	1,500.00		5,000LB		4500000423	10	28 Wh	eat Germ			XI (Input Post Cancel	Ç Hold

In this next screenshot, we are looking at the balance for Grand Rapids Grains, at the top of the screen it shows us the vendor we are looking at for easy identification. The table below shows how much we owe the vendor, for this specific vendor, we can see we owe the vendor \$1,500 from looking at the balance. We have purchased the product on accounts payable which is shown with the amount being under the "credit" column.

< SAP			Vendor E	Balance Display			
	More V		1			🗟 🗸 Exit	
Ve	ndor: 28B100 28 0	Grand Rapids Grains					0
Company	Code: 28FS 28 I	Fitter Snacker					L.
Fiscal	Year: 2023		1				I
Display c	rrncy: USD						
Bals Specia	l G/L						I
							I
- - - - - - - - - - - - - - - - - - -	∨ B ∨ I						I
Deried	Dahit	Creatit	Balance	Cumulativa Balance	Color (Durchesse		I
Period	Depit	Credit	Balance	Cumulative Balance	Sales/Purchases		I
alance Carry							I
2							
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5							H
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8							
9							
10							
12		1,500,00	1.500.00-	1,500.00-	1,500.00-		0

The next step in the procurement process is paying. In this screenshot, we are setting up an outgoing payment to pay our vendor for the raw materials purchased, you can see important information such as the selected vendor and payment amount. Once we have confirmed all the information we can select "post" which triggers SAP to pay our vendor.

Cash Distribute Difference Charge Off Difference Editing Options Cash Distribute Difference Partial Pmt Res.Items WH Tax Account items 288100 28 Grand Rapids Grains	sc. Due More 🗸	≞ Exi
tandard Partial Pmt Res.Items WH Tax		
Account items 288100 28 Grand Rapids Grains		
		0
Document Nu D Document Da P Busi Day USD Gross CashDiscount	CDPer.	
3100000001 RE 12/04/2023 31 0 1,500.00-		
Θ		<> ²
🕅 🕄 🕄 🚊 🛒 🔍 🔍 Amount 🖉 Gross<>Net @ Currency 🂢 Items 🧪 Items	Disc. 🥒 Disc.	
rocessing Status		
Number of Items: 1 Amount Entered:	1,500.00-	
Display from Item: 1 Assigned:	1,500.00-	
Reason Code: Difference Postings:		
Display in clearing currency Not Assigned:	0.00	

We can see that the outgoing payment has been posted by the notification SAP sends us at the bottom of the screen, the next step is for accounting to record our journal.

Ocument 150000001 was posted in company code 28FS

Finally, now that we have purchased our product and have paid our vendor, we have completed the procurement process. In this screenshot, we are looking at the updated stock/requirement list for our raw material Wheat Germ, here we can see that the stock has increased by the ordered 5000.

<		SA	2	,						St	tock/Re	quiren	nents List as	of 22	37 hrs							
					~	Show	/ Overview Tr	ree 📿	7 (M N	Nore \checkmark							Q	Q ⁺	ē	8	Exit
Ě				Ma' Descri	erial:	28R4 28 W	<u>20</u> heat Germ															
				MRP	Area:	28PT		28 Fitte	er Snacl	ker Plar	nt				Ex. manuf .:							
					Plant:	28PT		MRP type	e: PD		Mate	rial typ	e: ROH		Unit: LB		P					
Σ	66	0		v A	✓	*	🚊 Date	🛅 GR	i s	ST On		On	Vendor		Cust			Page	1	/ 1		
5	A	Dat	te		MRF	el	MRP eleme	nt data	R	esched	uling	E Re	ceipt/Reqmt		Available Qty							٥
]12/	047	2023	Stoc	K										0.950						< >

Task #3-Total Owing to Grand Rapids in Fiscal Year 2023

In the next two screenshots, we are looking at the vendor balance display, this is where we can see the total owing to our vendor Grand Rapids Grains. Here we can see that our balance shows nothing which lets us know we don't owe our vendor anything currently. We can see a credit of \$1,500 which shows our previous ordered stock payment and was paid with a debit of \$1,500.

< SAP			Vendor B	alance Display		
~	聩 More ∽					E
Vendor: 28B1 Company Code: 28F3 Fiscal Year: 2023 Display crrncy: USD	00 28 Grand 5 28 Fitter S	Rapids Grains nacker				
Bals Special G/L						
Period	Debit	Credit	Balance	Cumulative Balance	Sales/Purchases	
1						
2						
3						
4						
6						
7						
8						
9						
10						
11			_			

Debit	Credit	Balance	Cumulative Balance	Sales/Purchases		
Debit	Credit	Balance	Cumulative Balance	Sales/Purchases		
Debit	Credit	Balance	Cumulative Balance	Sales/Purchases		
1,500.00	1,500.00			1,500.00-		
1,500.00	1,500.00			1,500.00-		
	1,500.00	1,500.00 1,500.00 1,500.00 1,500.00	1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00	1,500.00 1,5	1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00	1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00

Task #4- Complete Customer Order

In this task, we had a previous customer with an inquiry call back and ask to buy the stock from the inquiry. To do this we need to start by creating a standard order from an inquiry, on this screenshot we have the page open and filled out to create an order, all the information was saved from the original inquiry including the information of the customer, originally communicated price, product, and quantity. Once we have reviewed the information with the customer we are good to "save" the order to trigger the next step in SAP.

<	SAP Create	ate Standard Order: Overview	
			Exit
	Standard Order: Net Value:	ue: <u>5.750.00</u> <mark>U</mark> SD	0
	Sold-To Party: 28W200 28 Meijer, Inc. / 2929 Walker Ave. / Gran	Grand Rapids MI 49544	
	Ship-To Party: 28W200 28 Meijer, Inc. / 2929 Walker Ave. / Gran	Grand Rapids MI 49544	- 1
	Cust. Reference: 28-BARS Cust. Ref. Date:	ate:	- 1
Sales	Item Overview Item detail Ordering party Procurement	nent Shipping Reason for rejection	
	* Req. Deliv.Date D 12/04/2023 Deliver.Plant:	ant:	0
	Complete Dlv.: D Total Weight:	ght: 1,975 LB	
	Delivery Block: Volume:	me: 0.000	
	Billing Block: V Pricing Date:	ate: 12/04/2023	
	Pyt Terms: 0001 Pay immediately w/o deduction		
	Inco. Version:		
	Incoterms: FOB		
	Inco. Location1: Receiving Dock		
B		di Group ३	
Al	Items		_11
	tem Material Req. Se	q. Segment Order Quantity Un S Item Description	C
	<u>10</u> 28F100	25¢V 28 NRG-A	Û
		Save	Cancel

We know the order has been created and saved by the notification SAP leaves us at the bottom of our screen indicating so.



We can now look at the document flow which shows us the updated progress of a customer order. From this screenshot we can see that the inquiry has been completed and we are now in an open status of our order.

< SAP				Doc	cument Flow			
V Q i Statu	is Overview	69	Display Docur	nent Serv	vice Document	s Jil	More \checkmark	Exit
Business Partner28W200 28 Meijer, Inc.Material28F100 28 NRG-A								ALVALVALVALV
Document	Quantity	Unit	Ref. Value	Currency	On	Time	Status	
√	25	CV	5,750.00	USD	12/04/2023	21:45:53	Completed	
General Standard Order 0000000435 / 10	25	CV	5,750.00	USD	12/04/2023	23:14:32	Open	
				-		_		

The next step is to create an outbound delivery for our customer's order, in this screen, we are inputting the shipping information for our customer, we have inputted the material and quantity as well as the ship-to-party. We can now save the document to trigger the next step and send the outbound delivery to the warehouse to be packaged.

< SAP	Outbound Delivery Cr	eate: Overview	
I i i i i i i i i i i i i i i i i i i i	Post Goods Issue More \sim		Q, Q⁺ Exit
Outbound Deliv: Ship-to party: 28W200	Document Date: 12/04/2023 28 Meijer, Inc. / 2929 Walker Ave. / Grand R	apids MI 49544	
Planned Gl: 12/05/2023 00:0 Actual Gl Date: 00:0	DTotal Weight: 1 DDNo. of Packages:	,975 LB	
All Items			0
All Items	Deliv. Qty	Un Description	@ Req. Segn
Items Itm Material 10 28F100	Deliv. Oty 25	Un Description CV 28 NRG-A	© Req. Segn
All Items Itm Material 10 28F100	Deliv. Qty 25 ↔	Un Description CV 28 NRG-A	Req. Segn
All Items Itm Material 10 28F100	t V Main items	Un Description CV 28 NRG-A 77 All items	Req. Segn

We can see it has been saved from the SAP notification.



Now we can reflect on the document flow and see the standard order has been completed and has opened the outbound delivery from completing a step and moved on to the next in the customer order process.

< SAP				Docur	ment Flow			
V Q i Status C	Overview	6ð Di	splay Documer	nt Servic	e Documents	ad M	lore \checkmark	Exit
Business Partner 28W200 28 Meijer, Inc. Material 28F100 28 NRG-A								YALV ALVALV
Document	Quantity	Unit	Ref. Value	Currency	On	Time	Status	
	25	CV	5,750.00	USD	12/04/2023	21:45:53	Completed	
\sim \Rightarrow Standard Order 000000435 / 10	25	CV	5,750.00	USD	12/04/2023	23:14:32	Completed	
Outbound Delivery 0080000393 / 10	25	CV			12/04/2023	23:23:47	Open	
					_			

In this stage, our outbound delivery has made it to the warehouse, we now need to "pick" the order to remove them from the warehouse and package them for delivery. In the SAP screen, we can see the quantity needed input the amount that has been picked in the "Pick Qty" location and fill out the warehouse location under SLoc. Once we have packed the order, we can save our progress to SAP.

< SA	P	Outbound De	livery	80000393 Change: O	verview				
	✓ 6≱ 13 10 11	Post Go	ods Iss	sue More 🗸			Q	¢ 🖷	Exit
Ou	Itbound Deliv.: 80000393 Do Ship-to party: 28W200 🖸 28 Meijer, In	cument Date:	12/04/ er Ave./	/2023 / Grand Rapids MI 4954	4				
Item Overv	iew Picking Loading Shipment Sta	tus Overview	G	oods Movement Data	1				
X	Pick Date/Time: 12/05/2023 00:0 Warehouse No.:	Ov	rtlPicks allWMS	Status: A Not Yet P Status: No WM Tr	icked rnsf Ord Reqd				
All Item	15								۲
All Item	Material	Plnt 28PT	SLoc	Req. Segment	Deliv. Qty	Un	Picked Qty	Un	© Ba
All Item	Material 28F100	Plnt 28PT	SLoc 300	Req. Segment	Deliv. Qty 25	Un CV	Picked Qty 25	Un CV	⊜ Ba
All Item	IS Material 28F100	Plnt 28PT	SLoc 300	Req. Segment	Deliv. Qty 25	Un CV	Picked Qty 25	Un CV	© Ba
All Item	IS Materiat 28F100	PInt 28PT	SLoc 300	Req. Segment	Deliv. Oty 25	Un CV	Picked Qty 25	Un CV	© Ba
All Item	S Material 28F100 8 ⊕⊖	PInt 28PT	SLoc 300	Req. Segment	Deliv. Qty 25	Un CV	Picked Oty 25	Un CV	© Ba ↔
All Item	S Material 28F100 € ⊕ ◯	PInt 28PT	SLoc 300	Req. Segment	25	Un CV	Picked Qty 25	Un	⊜ Ba

The updated document flow will now show us that the picking request has been completed, but the outbound delivery is still open as Fitter Snacker still has ownership of the product and the delivery process is not complete.

< SAP				Document Flow	
✓ Q i Statu	s Overview	6ð Displa	ay Document	Service Documents 📊 🚍 Additional Links More 🗸	Exit
Business Partner 28W200 28 Meijer, Inc.					
Document	On	Time	Status		
✓	12/04/2023	21:45:53	Completed		
✓	12/04/2023	23:14:32	Completed		
\sim \equiv \rightarrow Outbound Delivery 0080000393	12/04/2023	23:23:47	In Process		
Picking Request 20231204	12/04/2023	23:28:44	Completed		
				-	
	1				

The last step in the delivery process is to "Post goods issue", by doing this you are turning ownership over from Fitter Snacker your company to the customer. The stock of this product will now be updated to the new available quantity and sends the physical product to the customer from your warehouse.

< SAP	Change Outbound Delivery	
V 69 🛄 🗷 兽 🤤	Post Goods Issue More ~	Exit
Outbound Delivery: 80000393	Post Goods Issue	Exit
		Continue

We can now see that the outbound delivery has been saved by the notification given by SAP.



Another step of document flow is now complete, but the delivery process is not complete as we have not received our payment from the customer.

< SAP				Document Flow
V Q i Status	Overview	6ð Display	Document	Service Documents $ II = \frac{1}{27}$ Additional Links More \sim Exit
Business Partner 28W200 28 Meijer, Inc.	ALV,			<u>ALVAIVALVAIVALVAIVALVAIV</u>
Document	On	Time	Status	
✓	12/04/2023	21:45:53	Completed	
√	12/04/2023	23:14:32	Completed	
✓ \blacksquare → Outbound Delivery 0080000393	12/04/2023	23:23:47	In Process	
Picking Request 20231204	12/04/2023	23:28:44	Completed	
GD goods issue:delvy 490000064	12/04/2023	23:32:03	Complete	

In this screen we are completing the next step of sending the invoice to the customer through the billing due list. Once selected the correct bill and reviewing it is all correct, we can send it to the customer.

< SAP	Maintain Billing Due List	
✓ ≛ ₩ 00 7 ₩ More ∨	E	cit
S BL_SOrg. Billing Date Sold-To BillT DstC Document DChl	Dv Doc.C. Addre. Sold-To Party Sold-to locat. Sort Te. Items re. Count. ShPt POD Stat. Net V	'e
X L 28FS 12/05/2023 28W200 F2 US 80000393 WH	SB J 26032 28 Meijer, Inc. Grand Rapids 28SP 5,750	1
	Simulation Individual Billing Document Collective Billing Document Collective Billing Doc/Onli	he

We can now see on the document flow that the invoice and the delivery step have been completed, the last step in this process is to complete a journal entry for our customer payment. By instruction of the task, we will be stopping here and leaving the journal entry "not cleared".

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✓ Q i Status	Overview	6ට Display	Document	Service Documents $ _{\Pi} $ $\stackrel{result}{\Rightarrow}$ Additional Links More \vee	Exit
Business Partner 28W200 28 Meijer, Inc.				IVALVAIVALVAIVALVAIVALVAI	
Document	On	Time	Status		
✓	12/04/2023	21:45:53	Completed		
V 📮 Standard Order 0000000435	12/04/2023	23.14.32	Completed		
\sim 🗐 \rightarrow Outbound Delivery 0080000393	12/04/2023	23:23:47	Completed		
Picking Request 20231204	12/04/2023	23:28:44	Completed		
GD goods issue:delvy 490000064	12/04/2023	23:32:03	Complete		
🗸 🗐 Invoice 0090000334	12/04/2023	23:41:27	Completed		
Journal Entry 009000003	12/04/2023	23:41:27	Not Cleared		

Task #5-Displaying BOM

In this screenshot and task, we are looking at a multilevel BOM for our finished product NRG-B bars. A BOM is a bill of material, and it is made up of all the information of ingredients needed in the making of a product. Here we can see the product selected for easy identification and all the raw and semi-finished products. We can also see the base product which is the set amount of a product we can make, for this example its 7.

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Task #6-Displaying Routings

In this task, we are displaying routings for our finished product NRG-B bars and semi-finished product NRG-B dough. Routing is the location of work centers that are needed to manufacture a product, for NRG-B bars the work center is BAKELINE.

	Ma	Group: 28	10			Group	Counter: 2	28 NRG-B 28 NRG-B										
Operat	ion Ov	erview																
Ope	SOp	Work center	Plant	Con	Standard	Description			Lo	PRT	Cl	Ob	Pe (Cu Su	Base	Quantity	Un	. S
0010		DARELINE	2001	DAKE		bake Dough									/		CV	30
		\odot																$\langle \rangle$

We can see more on our product routing if we go into the details tab. In the details, we see further information such as production setup time and machine time. This can be important when it comes to forecasting and planning for products. The production and setup is 30 minutes for NRG-B bars.

< SAP	Display Routing: Operation Details	
	Work center in Routings in Sequences Allocation in PRT More \sim	Exit
Group: 28 Material: 28F110 Operation	Group Counter: 2 28 NRG-B 28 NRG-B	Ĵ
Activity: 0010 Control key: BAKE Plant: 28PT Work center: BAKELINE Standard Text Key:	Suboperation: Routing/Ref. op. set - internal proc. Baking Line Workcenter Bake Dough Long Text Exists:	
Base Quantity: 7 Operation unit: CV Break Time: 0.000 Std Value U Setup: 30 M Machine: 30 M Labor: 0.000	Conversion of Units of Measure Header Unit Operat. Un 1 CV <=>:1 CV n Act. Type Efficiency IN In In In	¢

The next screenshot is for the semi-finished product NRG-B dough, from this we can see the work center is MIXERS and has a base quantity of 500.

Ope. SOp Work center Plant Con Standard Description Lo PRT Cl Ob Pe Cu Standard Standard <th< th=""><th>Base Quantity Ur 500 LB</th></th<>	Base Quantity Ur 500 LB
0010 MIXERS 28PT MIX Mix Dough	500 LB
Image: Control of the control of th	

< SAP	Display Routing: Operation Details	
~ <	< > 范 🖗 Work center 🖬 Routings 🛋 Sequences Allocation 🛋 PRT More 🗸	Exit
Group: 28 Material: 285210 Operation	Group Counter: 4 28 Dough NRG-B 28 Dough NRG-B	
Activity: Control key: Plant: Work center: Standard Text Key:	y: 0010 Suboperation: y: MIX Routing/Ref. op. set - internal proc. tt: 28PT tr: MIXERS Standard Mixer Workcenter v: Mix Dough	
Standard Values	Long Text Exists:	
Base Quantity: Operation unit: Break Time:	y: 500 Header Unit Operat Un 1 LB <=>: 1 LB Std Value Un Act. Type Efficiency	
Setup: Machine: Labor:	2: 30 MIN 2: 30 MIN 7: 0.000 Image: Comparison of the second	

More details on NRG-B dough show that the setup and production are 30 minutes and the work center is MIXERS.

Task #7- Product Groups

In this task, it was asked to change the product group proportion for our product group for NRG-A bars and NRG-B bars. Product groups are groups of data of one or more products decided by the individual using SAP, they make for easy accessibility and a structured form for planning and forecasting. In this situation, we made the proportion 65% for NRG-A bars and 35% for NRG-B bars.

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→ Hierarchy Graphic Version	s Master Data	Product Group Graphic	Delete Member $$ More \sim	Exit
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Member number	Plnt Unit conv.	Aggr.fact. Proport	ion Uo V N F Short Text	
28F100	28PT 1	1 1	65 CV 28 NRG-A	
28F110	28PT 2		35 CV 28 NRG-B	J
\odot				•
				Save Cancel

Task 8-Sales Forecast

In this task we obtained valuable information from a SOP meeting on our forecast for the next couple months. The forecast is predicted to be 30 cases in January, 40 in February, and 50 in March, it has been decided to create a production plan that is synchronous with sales. Synchronous with sales means that the information will constantly be updated. The "IndReq" will be calculated using the prediction that 65% of our sales will come from NRG-A bars and 35% of our sales will come from NRG-B bars, SAP will do the work to calculate the percentage for example for January its predicted to sell 30 cases that will be 10.5 cases of NRG-B bars and 19.5 cases of NRG-A bars.

Task #9-Rough Cut Plan

This task asked to create a rough-cut plan from the information on forecasting in Task 8 which was obtained through a SOP meeting. A rough-cut plan is a form of planning that is used to solve for future demand. In this screenshot, we are looking at the page to create a rough-cut plan, we needed to input the information from the previous task into the correct sections to create our plan. From this screenshot we can see that we have inputted for our sales to be 30 cases in January, 40 in February, and 50 in March. SAP has responded by creating a plan to have enough stock and responding to what we need for production.

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	Chara	cteristic 🔳	More \checkmark								Exit
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Planning Table	Un	M 12/2023	M 01/2024	M 02/2024	M 03/2024	M 04/2024	M 05/2024	M 06/2024	M 07/2024		
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C Production	CV		30	40	50						Ť
Stock level	cv										
Target stock level	CV										
Range of Coverage	•••										
Target days' supply	•••										
											^
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										Save	Cancel

Once we have reviewed our information we can save it to trigger the plan, SAP will give us a notification at the bottom of our screen to acknowledge the saved document.



Task #10-Disaggregate Rough Cut Plan

In this task we were asked to disaggregate and transfer the planning for the NRG group to the individual products. This means we are looking at the individual raw material to further look into the rough-cut plan. In this screenshot we have changed the required group and have been given an error log to notify us of the change.

K SAP Error Log	
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Message log created on 12/07/2023 Number of Messages 2 - Information Message 0 - Warning Messages 2 - Error Messages 0	▲ ■
MT Ar_Numb_ Message Text Material MRP Ar_ Plant Rq_ DV ReqmtsPl	
W 6P 513 Requirement existed in deleted state, and was chenged 28F100 28PT 28PT VSF AG W 6P 513 Requirement existed in deleted state, and was chenged 28F110 28PT 28PT VSF AG	

Task #11- Stock/Requirements List

In this task we were asked to look at the stock/requirements list after creating our rough-cut plan for the three months. Here we can see that the stock is getting impacted by a "IndReq" which represents the forecasted needed for finished goods. The "IndReq" is for the month and amount assigned.

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Description	n: 28 NRG	i-B														
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Task 12- Running MRP

In this task we were asked to run MRP, MRP is a system that is used to calculate the future forecasted need of products. In the background MRP is looking at all the products needed to create the finished products and the amounts, it is making more stock as we need it and creating a forecasted plan.

< SAP		MRP Run						
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			7					
Statistics								
Materials planned	1	17						
Materials with New Exceptions		2						
Materials with Termination MRP List								
Parameters]					
Scope of Planning								
Plnt	28PT							
Processing Key	NEUPL							
Create Purchase Requisition	2							
SA Schedule Line	3							
Create MRP List	1							
Planning Mode	1							
Scheduling	1							
MRP Date	12/07/2023							
< SAP		MRP Run						
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	~	More \vee				
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285210				28PT		28PT
	132	64	2	15	0	50
28F110				28PT		28PT
	76	1	18	23	0	34
285200				28PT		28PT
	72	66	0	0	0	6
28F100				28PT		28PT
	24	4	1	0	0	17
28R300				28PT		28PT
	10	2	1	0	0	6
28R360				28PT		28PT
	9	1	0	0	0	6
28R380				28PT		28PT
	8	2	0	0	0	6
28R370				28PT		28PT
	8	2	0	0	0	6
28R340				28PT		28PT
	8	1	0	0	0	5
28R320				28PT		28PT

Task 13-Updated Stock/Requirements List

In this task we were asked to look at our updated stock/requirements list after running MRP. In this screenshot we can see that nothing has happed to our stock for NRG-A bars as we have enough available stock for the order or do not need the product for the current order. We can see the same "IndReq" that is taking stock for the order from the available stock.

< SAP		Stock/Requirements List as	of 16:21 hrs	
∽ Sh	ow Overview Tree 🗧 📿	\bigtriangledown More \checkmark		අ ් ඕ ඞ Exit
Material: 28 Description: 28 MRP Area: 28	F100 NRG-A PT 28 Fitter Sn	acker Plant	Ex. manuf.:	
Σ Θ Image: Second sec	PT MRP type: PC	Material type: FERT	Unit: CV Cust. Available Qty	Page 1 / 1
Q. 12/07/2023 Stock Q. 01/01/2024 IndReq Q. 02/01/2024 IndReq Q. 03/01/2024 IndReq	VSF VSF VSF		934 20- 914 26- 888 33- 855	0
				-
				с. ²

In this screenshot we can see lots more happening, we can see "PldOrd" which means planned order that MRP has suggested we plan to make to meet the order amount as we don't have enough stock and the same "IndReq" which is what we need for the order.

< SAP	Stock/Requirements List as of 16:19 hrs	
\sim Show Overview Tree $\ \ abla$	⊠ More ∨	Q, Q [*] 큠 쥠 Exit
Material: 28F110		
Description: 28 NRG-B		
MRP Area: 28PT 28 Fitter Sna	acker Plant Ex. manuf.:	
Plant: 28PT MRP type: PD	Material type: FERT Unit: CV	ß
		LF.
Σ 6∂ ℤ ℙ ℙ ♥ ⊗ = Date ■ GR ■	ST On Cust.	Page 1 / 2
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		7
Q 12/0//2023 Stock	7	14,000
@ 01/01/2024 Pidold 0000007497731CK	11-	3
Q 02/01/2024 PldOrd 0000007498/STCK	7	10 000
Q 02/01/2024 PldOrd 0000007499/STCK	7	17 000
@ 02/01/2024 IndReg VSF	14-	3
@ 03/01/2024 PldOrd 0000007500/STCK	7	10 000
@ 03/01/2024 PldOrd 0000007501/STCK	7	17 000
Q 03/01/2024 PldOrd 0000007502/STCK	7	24 000
		$\langle \rangle$ \vee

Task 14-Stock/Requirements List for Dough

In this screenshot we can see the stock/requirements list for our semi-finished product NRG-B dough, here we can see another "PldOrd" created by the MRP system suggesting to us to make for product of dough to meet the required "DeqReq" which represents dependant requirement. The lot size for dough to be make in is 500, which is why there is multiple "DeqReq".

Material: 28210 Description: 28 Dough NRG-B MRP Area: 28PT 28 Fitter Snacker Plant Ex. manuf.: Plant: 28PT MRP type: PD Material type: HALB Unit: B Date MRP element data Rescheduling E Receipt/Reqmt Available Qty Pr Image: Control of the state of t			✓ Show	w Overview Tr	ee 🗧 ;	C V		More ~						Q	¢,	6	ş	Exit
Description: 28 Dough NRG-B MRP Area: 28PT 28 Fitter Snacker Plant Plant: 28PT MRP type: PD Material type: HALB Unit: LB Image: Constraint of the state of th	Έ	Mat	erial: 285	210														
MRP Area: 28PT 28 Fitter Snacker Plant Ex. manuf.: Plant: 28PT MRP type: PD Material type: HALB Unit: LB Image: Image		Descri	ption: 28 D	ough NRG-B														
Plant: 28PT MRP type: PD Material type: HALB Unit: LB Image: Im		MRP	Area: 28P	r l	28 Fitte	r Snacker	Plant				Ex. manuf.:							
∑ Go ∞ ⊆ Date ⊡ GR ST On ○ On Vendor Cust. Page 1 / 2 ∑ A Date MRP et MRP ete <		1	Plant: 28P	г	MRP type:	PD		Material typ	e: HALB	Unit	LB			ß				
Image: Stron On Vendor Cust. Page 1 / 2 Image: Stron On Vendor Cust. Page 1 / 2 Image: Stron On Vendor Cust. Page 1 / 2 Image: Stron On Vendor Cust. Page 1 / 2 Image: Stron On Vendor Cust. Page 1 / 2 Image: Stron On Vendor Cust. Page 1 / 2 Image: Stron On Vendor Cust. Page 1 / 2 Image: Stron On Vendor Cust. Page 1 / 2 Image: Stron On Vendor Cust. Page 1 / 2 Image: Stron On Vendor On Vendor Page 1 / 2 Image: Stron On On On On On On On On Image: Stron On On Stron Stron Stron Stron On On On Image: Stron On Stron Stron Stron<																		
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Image Image <th< td=""><td>2 00</td><td>Dete</td><td></td><td></td><td></td><td>Daar</td><td>hoduli</td><td></td><td>venuor</td><td></td><td>Ausilahla Otu</td><td></td><td>Dr</td><td>Fage</td><td>1</td><td>. / 2</td><td></td><td>A</td></th<>	2 00	Dete				Daar	hoduli		venuor		Ausilahla Otu		Dr	Fage	1	. / 2		A
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Q 01/31/2024 DepReq 28F110 500- 500 Q 01/31/2024 DepReq 28F110 500- 0 Q 02/29/2024 PidOrd 0000007506/STCK 500 500 Q 02/29/2024 PidOrd 0000007506/STCK 500 1,000 000 Q 02/29/2024 PidOrd 0000007507/STCK 500 1,000 000	2	01/31/2024	PldOrd	000000750	5/STCK					500		1,000	000					
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Task 15-Stock/Requirements List for Raw Material Protein Powder

This screenshot is the stock/requirements list for one of our raw products. Due to the fact we already have enough stock to meet the requirements of the order we do not need a "PldOrd" instead we can just see the "DeqReq's" that are needed for the order.

<		SAP					S	Stock/Requ	uirem	ents List as of	16:29	hrs							
				 ✓ Show 	w Overview Tr	ee 🐔 C	∇	More	e V						Q	Q+	ē	Š	Exit
Ě			Mate	erial: 28R	<u>390</u>														
			Descrip	tion: 28 P	rotein Powder														
			MRP A	Area: 28P	Г	28 Fitter S	Snacker Pla	ant				Ex. manuf.:							
			Р	lant: 28P	г	MRP type:	PD	Materia	l type	ROH	Unit	LB		-					
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Σ	69		r 7	★ ★	🚊 Date	🛗 GR	🛗 ST On	[] 0	'n	Vendor	Cu	st.			Page	1	/ 1		
ß	A	Date		MRP el	MRP elemer	nt data	Resche	duling E	Rec	eipt/Reqmt		Available Qty							0
	Q	12/07	/2023	Stock									1,950						^
	Q	12/30	/2023	DepReq	285210						50-		1,900						
	Q	01/30	/2024	DepReq	285210						50-		1,850						
	Q	01/30	/2024	DepReq	285210						50-		1,800						
	Q	02/28	/2024	DepReq	28S210						50-		1,750						
	Q	02/28	/2024	DepReq	28S210						50-		1,700						
	Q	02/28	/2024	DepReq	285210						50-		1,650						
																			^
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Task 16-Recieve Customer Payment

In this task we are receiving payment from our customer, we need to post an incoming payment to notify SAP of the payment. We insert all the required information and click post to allow SAP to process the payment for the right account.

< SAP		Pc	ost Incoming Payme	ents: Header Data	
~	× Cancel Selection	Process Open Items	More \checkmark		Exit
* Document Date: * Posting Date: Document Number: Reference: Doc.Header Text: Clearing Text:	12/07/2023	* Type: DZ Period: 12	* Company Code: * Currency/Rate: Translation dte: Cross-CC Number: Trading Part.BA:	28FS	\$
Bank data					
*Account: Amount: Amt.in loc.cur.:	100000 5750		Business Area:		
Bank Charges:			LC Bank Charges:		
Value date:			Profit Center:		
Text:			Assignment:		
Open item selection		Ad	ditional selections		
Account:	28W200		None		
Account type:	D Other	Accounts	 Amount 		
House bank:			Ocument Number	er	\$
					Post

We know SAP has processed the payment by the notification `at the bottom of our screen.

< SAP			Post Incoming Payme	ents: Header Data		
~	× Cancel Selection	Process Open Item	ns More \vee		I	Exit
* Document Date: * Posting Date: Document Number: Reference: Doc.Header Text: Clearing Text: Bank data	12/07/2023	*Type: DZ Period: 12	* Company Code: * Currency/Rate: Translation dte: Cross-CC Number: Trading Part.BA:	28FS		
*Account: Amount: Amt.in loc.cur.: Bank Charges: Value date: Text:			Business Area: LC Bank Charges: Profit Center: Assignment:			
Open item selection Account: Account type: House bank:	D Other	Accounts	Additional selections None Amount Document Number 	er		
Document 1400000	001 was posted in compan	y code 28FS				Post

Our document flow now shows that the journal entry of the payment has been cleared and the procurement process has been complete.

< SAP				Docume	nt Flow			
V Q i Status Ove	erview 68	Displ	ay Document	Service D	ocuments "I	I More	~	Exit
Business Partner28W200 28 Meijer, Inc.Material28F100 28 NRG-A								LVALVALVALV
Document	Quantity	Unit	Ref. Value	Currency	On	Time	Status	
✓	25	CV	5,750.00	USD	12/04/2023	21:45:53	Completed	
\sim \Rightarrow Standard Order 000000435 / 10	25	CV	5,750.00	USD	12/04/2023	23:14:32	Completed	
Utbound Delivery 0080000393 / 10	25	CV			12/04/2023	23:23:47	Completed	
🗐 Picking Request 20231204 / 10	25	CV			12/04/2023	23:28:44	Completed	
GD goods issue:delvy 4900000643 /	25	CV	5,040.00	USD	12/04/2023	23:32:03	Complete	
Invoice 0090000334 / 10	25	CV	5,750.00		12/04/2023	23:41:27	Completed	
🗐 Journal Entry 0090000003	25	CV			12/04/2023	23:41:27	Cleared	

Task 17-The Production Process

In this task we have been asked to carry out the production of 7 cases of NRG-B bars. In this first screenshot we are looking at the stock/requirements list, here we can see we have available quantity of 7 for NRG-B bars. To make NRG-B bars we need to have dough and raw materials, this process will need to make more dough as we have 0 stock of dough.

1	SA	7		Sto	ck/Requiremer	nts List: Material L	ist				
		63 🗸	Selected Stock/	Requirements Lists Define	e Traffic Light	i Exception Grou	ips More 🗸		Q	<*	Exi
	MRP	Plant: 28PT Controller: 028	28 Fith FS Cor	er Snacker Plant ntroller							
9	Light Va	alid from date Mate	rial MRP Area	Material description	A StckDS	1st RDS 2nd R	1 2 3 4 5 6 7	8 Plant stock Bl	In Sa	Re MTvr	PT©
ī	00	2852	10 28PT	28 Dough NRG-B	23.0	999.9 999.9		0 LE	0	OHALB	x C
	00	28F1	10 28PT	28 NRG-B	24.6	999.9 999.9		7 C\	/ 0	OFERT	E
	00	28F1	.00 28PT	28 NRG-A	999.9	999.9 999.9		934 C\	/ 0	0 FERT	Е
	00	28R3	00 28PT	28 Canola	999.9	999.9 999.9		993 G/	AL O	0 ROH	F
	00	28R3	10 28PT	28 Carob Chips	999.9	999.9 999.9		1,000 LE	0	0 ROH	F
	00	28R3	20 2007	28 Cinnamon	000 0	000 0 000 0					
			20 2001	20 On manion	000.0	999.9 999.9		495 LB	0	OROH	-
	00	28R3	30 28PT	28 Cloves	999.9	999.9 999.9		495 LE 499 LE	0 0	0 ROH	F
	00	28R3 28R3	30 28PT 40 28PT	28 Cloves 28 Dates	999.9	999.9 999.9 999.9 999.9 999.9 999.9		495 LE 499 LE 930 LE	0 0 0	0 ROH 0 ROH 0 ROH	F
	00	28R3 28R3 28R3	20 28PT 30 28PT 40 28PT 50 28PT	28 Cloves 28 Dates 28 Hazelnuts	999.9	999.9 999.9 999.9 999.9 999.9 999.9 999.9 999.9		495 LE 499 LE 930 LE 970 LE		0 ROH 0 ROH 0 ROH 0 ROH	F
	001	28R3 28R3 28R3 28R3 28R3	200 28PT 300 28PT 400 28PT 500 28PT 600 28PT	28 Cloves 28 Dates 28 Hazelnuts 28 Honey	999.9 999.9 999.9 999.9	999.9 999.9 999.9 999.9 999.9 999.9 999.9 999.9 999.9 999.9		495 LE 499 LE 930 LE 970 LE 690 G/	4 0 4 0 4 0 4 0 4 0	0 ROH 0 ROH 0 ROH 0 ROH 0 ROH	F F F F
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In this screenshot we are accepting the "PldOrd" for 500 LB of NRG-B dough as we need dough to make the bars.

In this screenshot we are creating a production order for our 500 Lb of NRG-B dough to confirm the production amount.

< SAP				Prod	uction order Crea	ate: Header					
	× 🗘 🖩	🕒 dł	Material ሳ C	apacity	More Englishing	Components	Documents	More \checkmark		ē	Exit
Order: Material: Status:	%00000000001 285210 REL MANC SET				28 Dough NRG	-В			Type: PP01 Plant: 28PT		
General Assign	nent Goods	Receipt	Control Dat	es/Qties	Master Data	Long Text	Administration	Items	Fast Entry		
Quantities Total Qt Delivered Dates/Times	7: 500 1: 0		LB S Sh	crap Portion ort/Exc. Rcp	n:	0.0	90 %				÷
	Basic Dates		Scheduled		Confirmed						
End	t: 12/31/2023	00:00	12/29/2023	24:00		00+00					
Release	e: 12/28/2023	00:00	12/29/2023	23:00	12/07/2023	00:00					\$
Release carried	out									Save	Cancel

In this screenshot we are checking back in with the stock/requirements list for NRG-B bars so acknowledge that the "PldOrd" has been turned into "PrdOrd" which represents production order and now the stock is ready to be made and the available quantity will be 500.

< SAP							St	ock/Requ	irements l	ist as of	21:11	hrs							
	✓ Hide Overvi	iew Tre	ee	ß	C	∇		More >	/						Q	Q ⁺	ē	8	Exit
Status Ma oo 28 oo 28	■ q ⁺ 帚 aterial 35210 3F110	Ħ			Ma Descri MRP	terial: ption: Area: Plant:	285 28 D 28P 28P	210 Iough NRG T T	-B 2: MRF	8 Fitter Sn 9 type: PC	acker F	Plant Materia	l type: HALB	Unit	Ex LB	. manul	f.:		
		Σ	69	0	⊼ ↑ ⊼ 4	<	*	≞ Date	🛅 GR	🛅 ST	On	🗂 On	Vendor	Cust.					Pag
		Ę,	A	Date		MR	P el	MRP ele	ment data		Resch	eduling E	Receipt/Reqmt		Availa	ble Qty	/		Pr
			ଡ୍	12/0	7/2023	Sto	ck											0	
			Ø,	12/3	1/2023	Prd	Ord	0000010	00281/PF	01/Re				500				500	<u>000</u>
			्	12/3	1/2023	Dep	Req	28F110						500-				0	
			Q	01/3	1/2024	Pld	Ord	0000007	504/STCK	l.				500				500	000
			୍	01/3	1/2024	Pld	Ord	0000007	505/STCK	l.				500			1	1,000	000
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		Ľ	খ	0272	972024	Pla	Ora	< >	50775108	•				500				1,000	000
The list was creat	<pre>ted at 21:11 hours</pre>	View	' de	tails_															

In this screenshot we are looking at the goods issue order which will show us all the materials needed for production of the dough.

< SAP	Goods Issue Order 1000281 - FS-28	
~	Hide Overview More \sim	Find 🕞 🛩 Exit
	Goods Issue V Order V @ Q III	GI for order
My Documents		
∨ Purchase Orders	闩 General 88	
4500000423		
450000323		
4500000244	Document Date: 12/07/2023 Material Slip:	
4500000156	Posting Date: 12/07/2023 Doc.Header Text:	
450000029		
> Orders		
~ Reservations		
Blank	Line Mat. Short Text W OK Qtv in UnE EUn SLoc	Order
\sim Material Documents	1 28 Oats IB Paw Materials	1000281
500000592	2 29 Wheat Corm	1000201
500000360	2 20 Wheel Genin	1000281
490000482	S 26 Chindhion S LB Raw Materials	1000281
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490000466		
500000315	L = = Q Q Q m Delete	
500000160		
500000035		
\sim Held Data		
Blank		Ç
	Post Cancel	Restart Hold Check

In this screenshot we are confirming the production of the dough as SAP will not do it until a employee confirms its suggestion.

< SAP	Confirmation of Production Order Enter : Actual Data	
~	$\overrightarrow{\mbox{a}}$ Goods Movements More \vee	Exit
Order: Material: Material Descr.: Confirmation Type	1000281 Status: REL PRC GMPS MANC SETC 285210 28 Dough NRG-B Partial confirmation: • Clear Open Reservs.: ✓ Final Confirmation: • Autom. Final Confir	\$
Actual Data Yield Quantity: Scrap Quantity: Rework Quantity: Reason for Var.: Personnel no.:	Curr. t/b Conf. Un i t Confirmed to Date Planned t/b Conf. Un i t	
	To Be Confirmed	÷
		Save Cancel

We know the confirmation has been saved by the notification SAP returns us.



In this screenshot we are changing the location of the raw materials to the production line. This triggers the warehouse to transport the products where needed.

< SAP	Goods Receipt Order 1000281 - FS-28
~	Hide Overview More ∨ Find [™] ∨ Exit
My Documents	
450000423	a = Q of a Delete Contents 52
450000323	
450000244	
450000156	A Material Quantity Where Order Data
450000029	
> Orders	
~ Reservations	Movement type: 101 + GR for order Stock type: Unrestricted-Use V
Blank	
✓Material Documents	Plant: 28 Fitter Snacker Plant 28PT
490000761	
500000592	
500000360	Goods recipient:
490000482	Unloading Point:
500000345	
490000466	
500000315	Text:
500000160	
500000035	
✓Held Data	
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:	
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	ruat Galicet Restatt Hold Greek

Now we can see on the stock/requirements list that the production order has been cleared and we have 500 available quantity with no outstanding requirements for that order.

Show Ov	verview Tree 📿 🏹	🖂 More 🗸				Q	Q ⁺	ē	87	Exit
1 Material: 285210										
Description: 28 Dough	1 NRG-B									
MRP Area: 28DT	28 Eitter Spac	ker Plant		Ex manuf						
Diante 2007		Matarial true				Π.				
Plant: 28PT	MRP type: PD	Material type	HALB Unit:	LB	E	Î				
Σ 68 🖉 🌌 🏶 📚 🚎	Date 🛗 GR 🛗	ST On 📋 On	Vendor Cus	st.		Page	1,	/ 2		
A Date MRP el MP	RP element data	Rescheduling E Rec	eipt/Reqmt	Available Qty	Pr				6	3
Q 12/07/2023 Stock				500					(÷
Q 12/31/2023 DepReq 28F	110		500-	0						
Q 01/31/2024 PldOrd 000	00007504/STCK		500	500	000					
@ 01/31/2024 PldOrd 000	00007505/STCK		500	1,000	000					
@ 01/31/2024 DepReq 28F	110		500-	500						
@ 01/31/2024 DepReq 28F	-110		500-	0						
@ 02/29/2024 PldOrd 000	00007506/STCK		500	500	000					
@ 02/29/2024 PldOrd 000	00007507/STCK		500	1,000	000					
(02/29/2024 PldOrd 000	000075087STCK		500	1,500	000				< >	0

Now that wer have enough dough SAP will start the process all over again but with the finished product NRG-B bars.

< SAP	Goods Receipt Order 1000282 - FS-28	
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	Goods Receipt V Order V 🕞 🖓 📷	GR goods rect 🗘
My Documents		
450000323	C Ceneral 8	
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> Orders	Posting Date: 12/07/2023 Doc.Header Text:	
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500000720	Ine Mat. Short Text V. OK Qty in UnE EUn SLoc	Stock Segment
490000761	1 28 NRG-B	
500000592		
500000360		
490000482		
500000345		
490000466		
500000315	i le	
500000160		
500000035	Autorial Quantity Where Order Data	
✓Held Data	a material Quantity where Order Data	^
Blank		
\$		
	Post Cancel Res	lan Hold Check

In this screenshot we have changed the "PldOrd" again for the bars to trigger SAP to make the product.

< SAP		Stock/Requirements List as of	21:42 hrs		
Show Overvie	ew Tree 🗧 📿 🏹	⊠ More ∨			즉, 즉' 중 음 Exit
Material: 28F110 Description: 28 NRG-B MRP Area: 28PT Plant: 28PT	28 Fitter Snacker PU MRP type: PD	ant Material type: FERT	Ex. manuf.:	ß	
Σ 6∂ ℓ ♣ ♣ ¥ ★ ≜ Dat	te 🕅 GR 🕅 ST On ement data Resche	C On Vendor duling E Receipt/Reqmt	Cust. Available Qty	Pr	Page 1 / 2
Q 12/07/2023 Stock Q 01/01/2024 PrdOrd 0000010	000282/PP01/Re		7	7 14 <u>000</u>	Ç
(01/01/2024 IndReq VSF			11-	3	
@ 02/01/2024 PldOrd 000000	7498/STCK		7	10 000	
Q 02/01/2024 PldOrd 000000	7499/STCK		14	17 000	
@ 03/01/2024 PidOrd 000000	7500/STCK		7	10 000	
Q 03/01/2024 PldOrd 000000	7501/STCK		7	17 000	
@ 03/01/2024 PldOrd 000000	7502/STCK		7	24 000	^
					< > ~

The finished stock requirement list shows that we now have 7 more available quantity from the original stock/requirement list it now equals 14.

	S	tock/Requirements List as of 21:52 h	Irs		
∽ Sho	w Overview Tree 📿 🍸 🖂 🕅	More \checkmark		Q	. ¢ 🖶 🕾
Material: 28F	110				
Description: 28 M	IRG-B				
MRP Area: 28P	T 28 Fitter Snacker Pla	nt	Ex. manuf.:		
Plant: 28P	T MRP type: PD	Material type: FERT Unit:	cv	6	
68 / 20 20 20 20 20 20 20 20 20 20 20 20 20	🚊 Date 🗮 GR 🗮 ST On	Cust	t.	Page	1 / 1
A Date MRP el	. MRP element data Resched	duling E Receipt/Reqmt	Available Qty	Pr	6
Q 12/07/2023 Stock			14		
0 01/01/2024 IndPeg	VSE	11-	3		
a officer 2024 mukey			5		
@ 02/01/2024 PldOrd	0000007498/STCK	7	10	000	
Q 02/01/2024 HdReq Q 02/01/2024 PldOrd Q 02/01/2024 PldOrd	0000007498/STCK 0000007499/STCK	7	10 17	000 000	
Q 02/01/2024 PldOrd Q 02/01/2024 PldOrd Q 02/01/2024 IndReq	0000007498/STCK 0000007499/STCK VSF	7 7 14-	10 17 3	<u>000</u> 000	
Q 02/01/2024 PldOrd Q 02/01/2024 PldOrd Q 02/01/2024 PldOrd Q 02/01/2024 PldOrd Q 03/01/2024 PldOrd	0000007498/STCK 0000007499/STCK VSF 0000007500/STCK	7 7 14- 7	10 17 3 10	000	
Q 021012024 Indreq Q 02/01/2024 PldOrd Q 02/01/2024 Indreq Q 02/01/2024 Indreq Q 03/01/2024 PldOrd Q 03/01/2024 PldOrd	0000007498/STCK 0000007499/STCK VSF 0000007500/STCK 0000007501/STCK	7 7 14- 7 7	10 17 3 10 17	000 000 000 000	
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Conclusion

This class has been so helpful in me learning my way around SAP and learning valuable skills. I feel more confident in the supply chain industry as I have knowledge on this software. I now knowhow to complete tasks that are based around and look at SAP steps such as creating inquiries, the procurement process, the bill of materials, and other important tasks completed in SAP software.