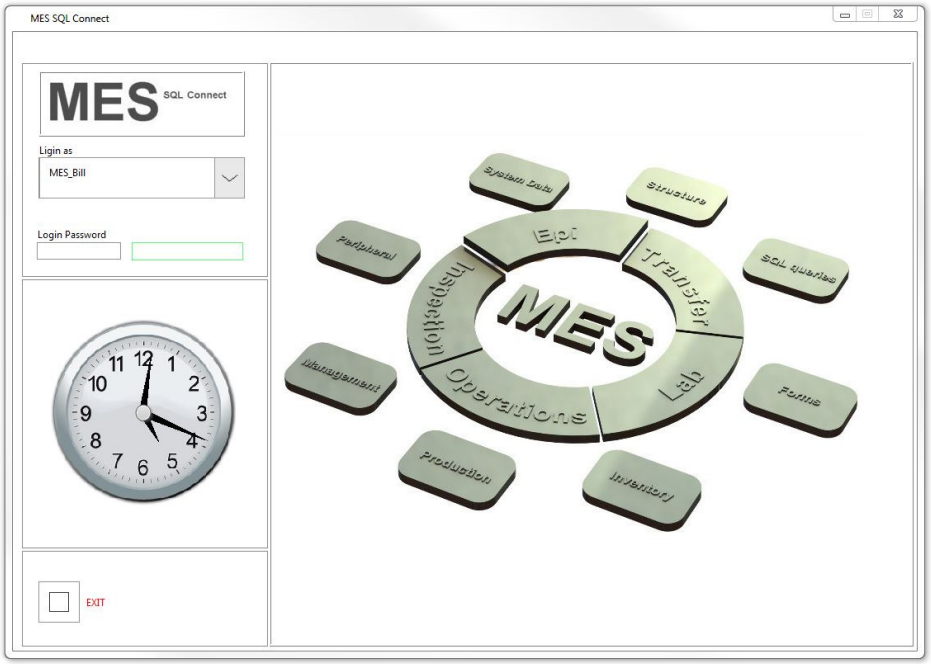
Laplanda

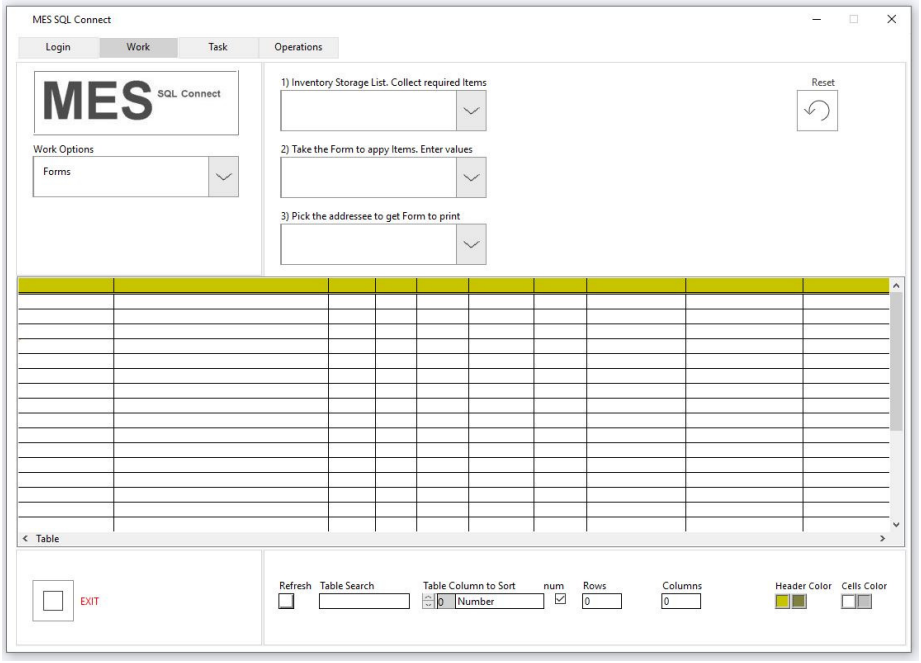
www.laplanda.com

GUI and Guide of Manufacturing Execution System (MES) with SQL (Structured Query Language) BD (Database) Connectivity

Forms


MES SQL Connect
MES
SQL Connect
Ligin as
MES_Bill
Login Password
EXIT
MES
Epi
Transfer
Lab
Operations
Inspection
System Data
Structure
SQL queries
Forms
Inventory
Production
Management
Peripherals

Welcome Tab



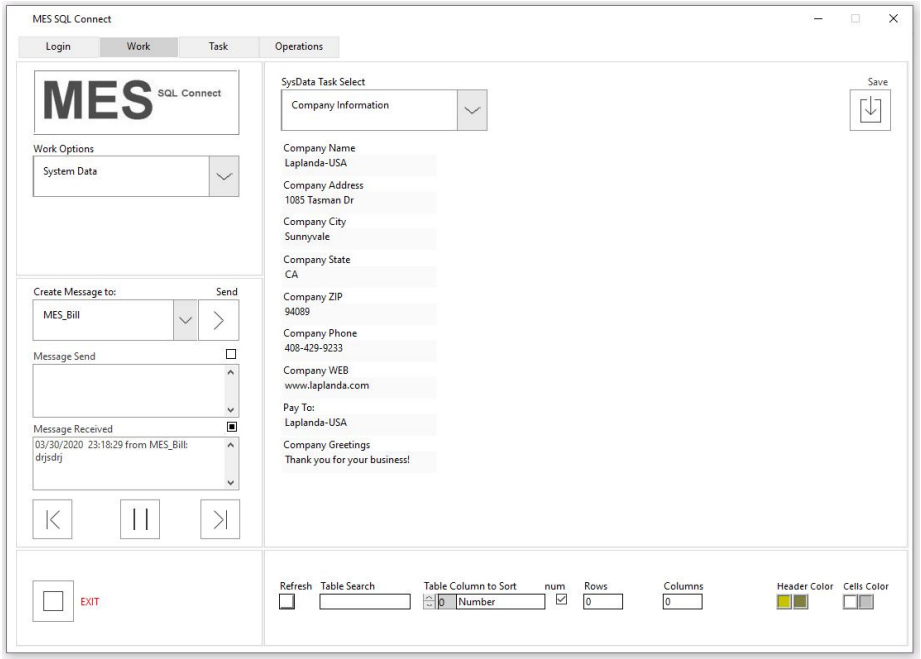
Work: Working Options: Forms

"Forms" Tab is a place to create:
- Invoice
- Purchase Order
- Quotation
- Sales Receipt
- Packing Slip
- Item Label
- Barcode

This Tab is cooperating with "Inventory", "Structure" and "Manage" Tabs.

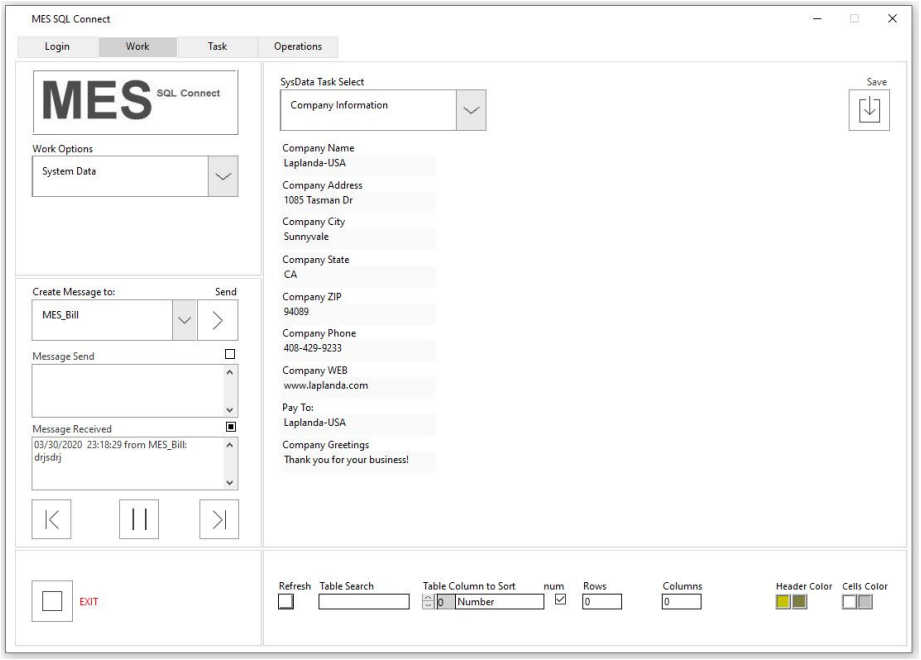
To start with this Tab the Company Information, Company Shipment Address, Tax value and all involved Tabs need to be formed.

Continue…



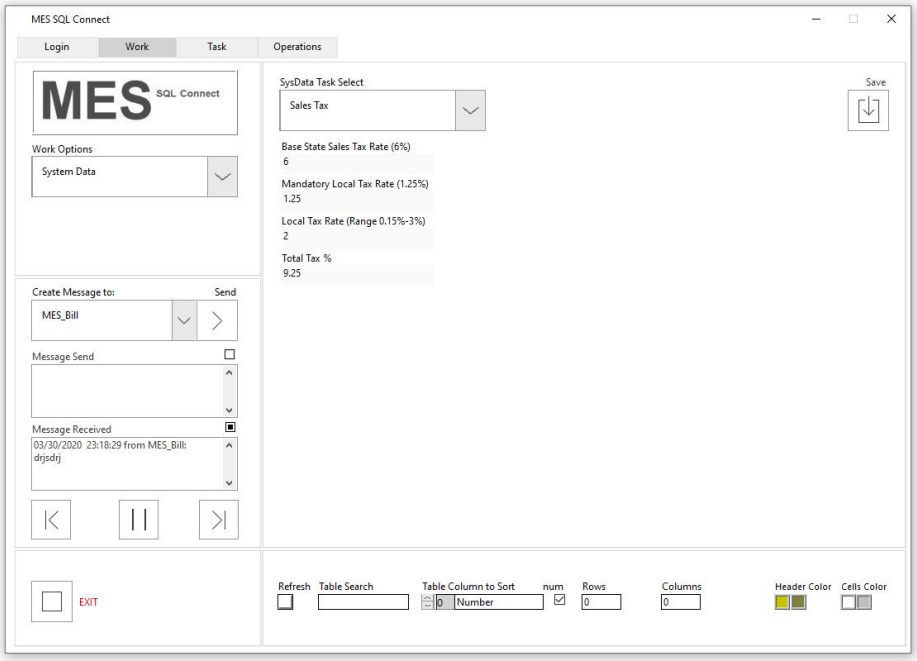
Work: Working Options: System Data
Sys Data Task Select: Company Information

"Company Information" is using in "Form" functions.



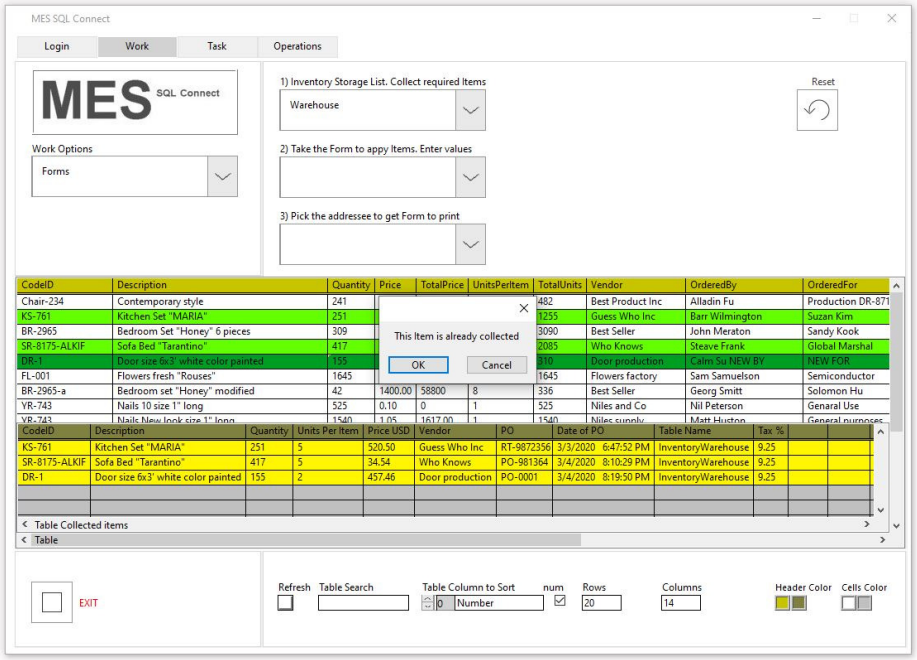
Work: Working Options: System Data
Sys Data Task Select: Company Ship To

"Company Ship To" is using in "Form" functions.



Work: Working Options: System Data
Sys Data Task Select: Sales Tax

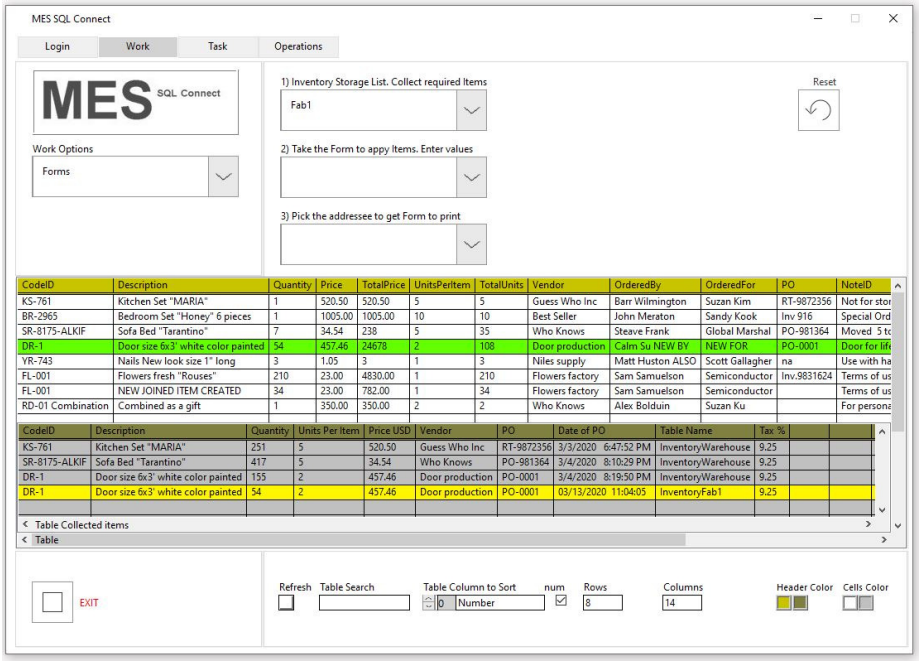
"Sales Tax" is using in "Form" functions.



Work: Working Options: Forms Inventory Storage List: Warehouse

To create any of the Forms collect required Items to the “Table Collected Items”.
NOTE: The collection of the items performs by clicking to the required item, for search item the “Table Search” function, “Table Column to Sort” and “num” functions.
DIALOG” “The Item is already collected” means that the item was clicked multiple times. This item added to “Table Collected Items” just ones.

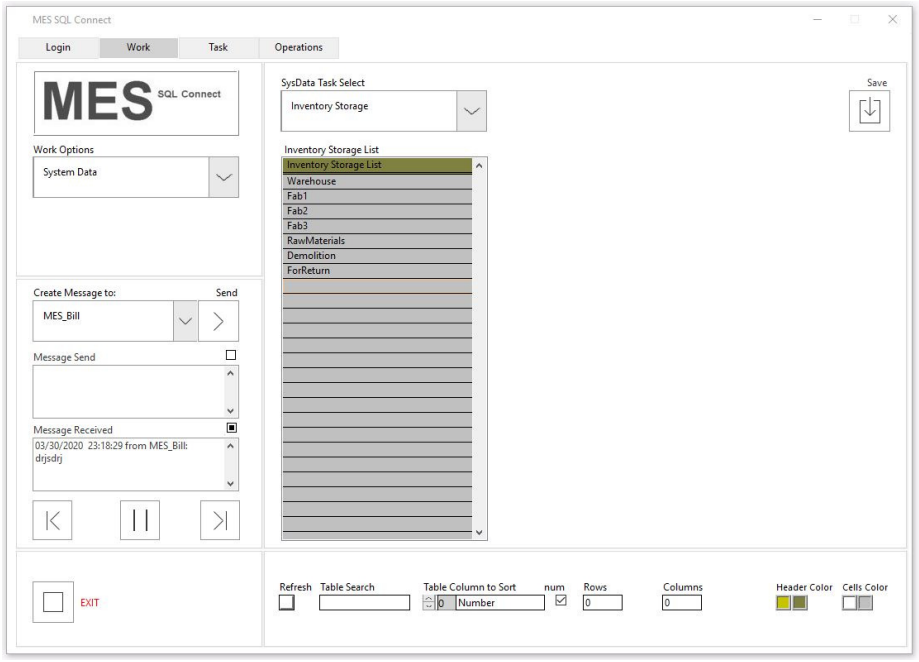
Continue…



Work: Working Options: Forms
Inventory Storage List: Warehouse

To create any of the Forms collect required Items to the “Table Collected Items”.
NOTE: “1) Inventory Storage List. Collect required Items” is a list of inventory storages. Any storage can be used for collection in ”Table Collected Items”.
NOTE: “Inventory Storage List” is an Inventory Storages that should be established during the Program initialization.

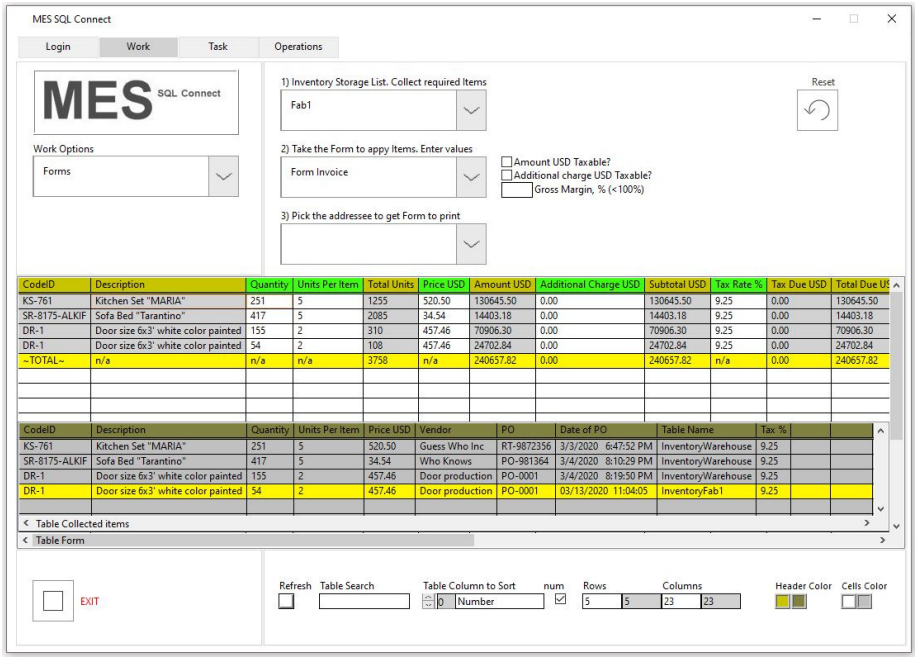
Continue…



Work: Working Options: Forms
Inventory Storage List: Warehouse

"Inventory Storage List" is an Inventory Storages that should be established during the Program initialization, see "Inventory Storage" instruction guide.

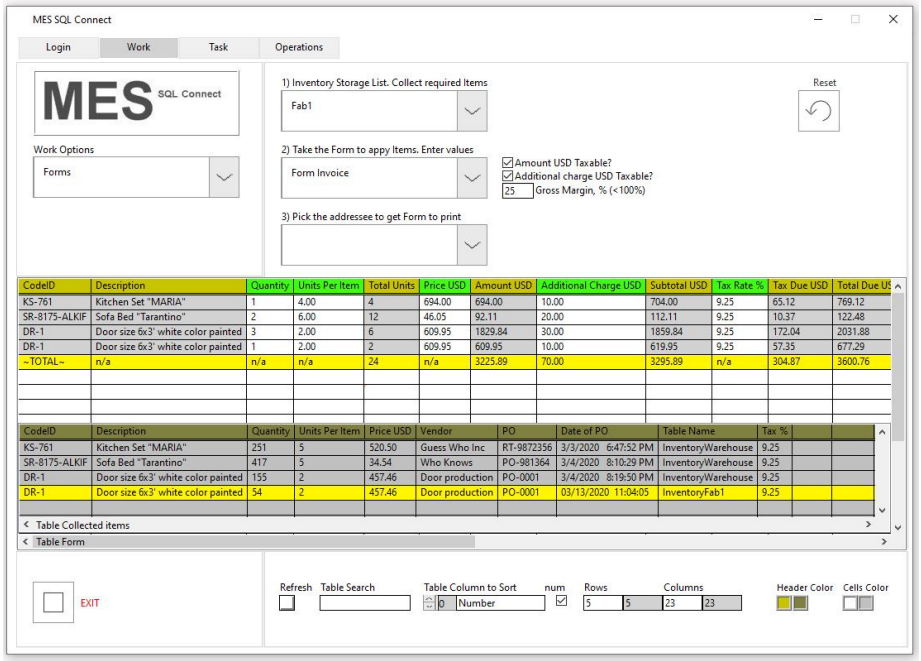
Continue…



Work: Working Options: Forms
Inventory Storage List: Fab1
Take the Form to apply Items: Form Invoice

Tab functions to apply on Invoice:
"Amount USD Taxable?" applies to all Item monetary values.
"Additional charge USD Taxable?" applies to "Additional Charge USD" column in "Table Form" only.
"Gross Margin, %" applies to all values in "Price USD" colums
NOTE: Gross Margin equation is: "Gross Price USD"= "Price USD"/(1-"Gross Maargin"/100).
NOTE: If "Gross Margin, % (<100%) is empty, no Margin applies.
NOTE: "Gross Margin, % (<100%)" can be used multiple times, however the next apply will add margin to the previous value, NOT to original value, that is stored in "Table Collected Items".

Continue…

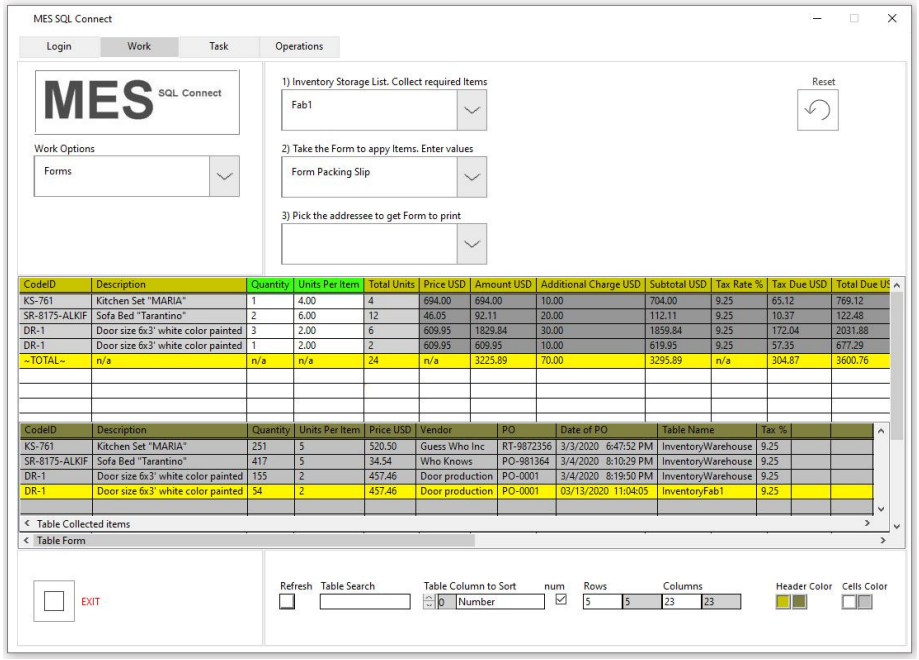


Work: Working Options: Forms
Inventory Storage List: Fab1
Take the Form to apply Items: Form Invoice

"Table Form" variables in columns:
- CodeID
- Description
- Quantity
- Units Per Item
- Price USD
- Additional Charge USD
- Tax Rate
- Comments
- Weight Per Item

NOTE: "Invoice" can be written out from Database upon finished.
If the Packing Slip is required also it's a time to fill in this form.

Continue…

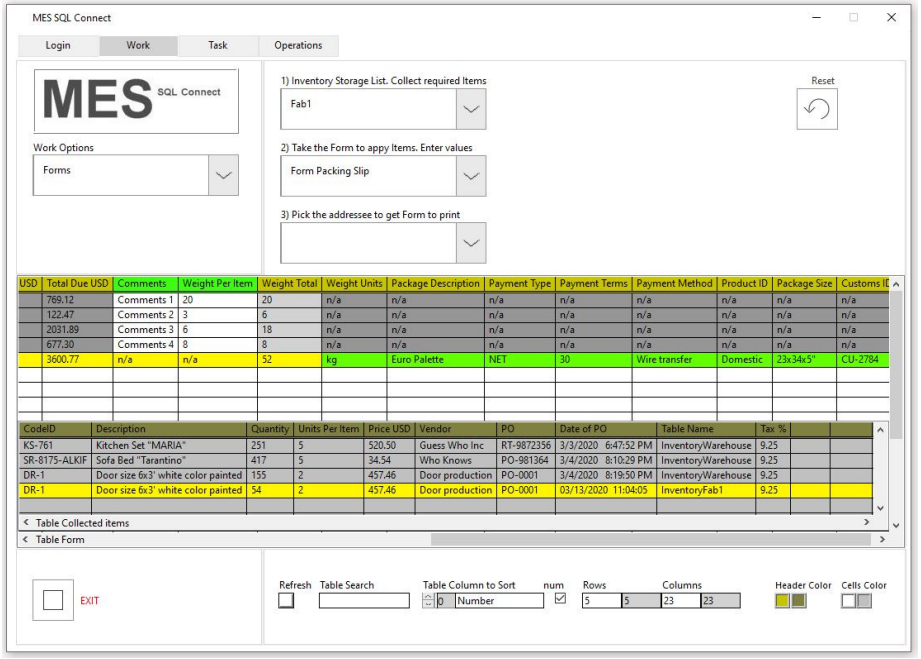


Work: Working Options: Forms
Inventory Storage List: Fab1
Take the Form to apply Items: Form Packing Slip

"Table Form" variables in columns:
- Comments
- Weight Per Item

"Table Form" variables in ~TOTAL~ row:
- Weight Units
- Package Description
- Payment Type
- Payment Method
- Product ID
- Package Size
- Customs ID

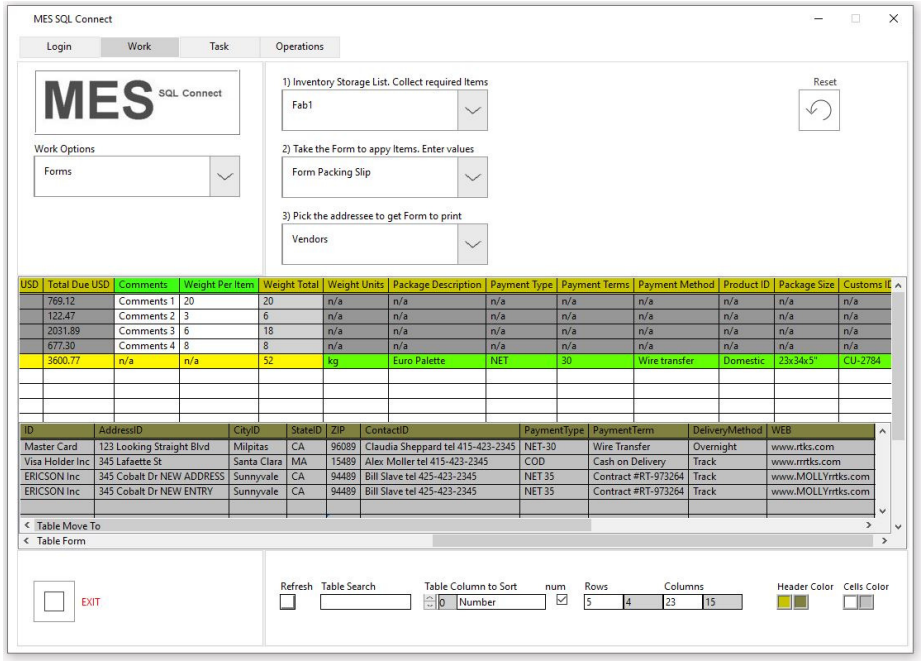
Continue…



Work: Working Options: Forms
Inventory Storage List: Fab1
Take the Form to apply Items: Form Packing Slip

NOTE: All arithmetic work performs at the background, the typo and all correction perform in real time.
NOTE: If any Item needs to be added to “Table Collected Items” all work in “Table Form” will be erased and back to the Original Database status.

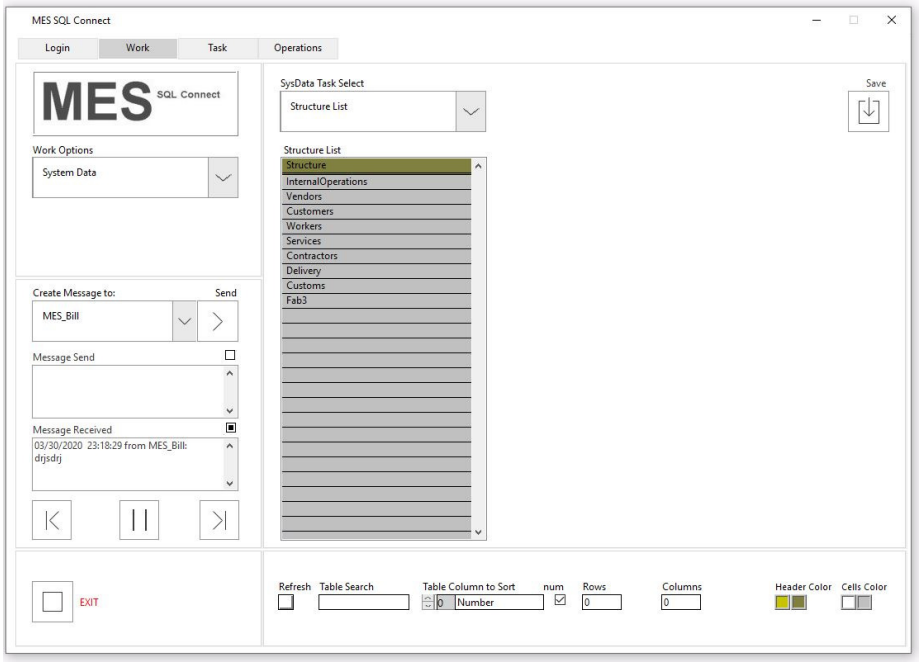
Continue…



Work: Working Options: Forms
Inventory Storage List: Fab1
Take the Form to apply Items: Form Packing Slip
Pick the addressee to get Form to print: Vendors

After the Invoice and Packing Slip work is done it's a time to place it under the Addressee.
Choose the Addressee from "Pick the addressee to get Form to print" list.
NOTE: "Pick the addressee to get Form to print" list is a Structure List that should be established during initialization of the Program.

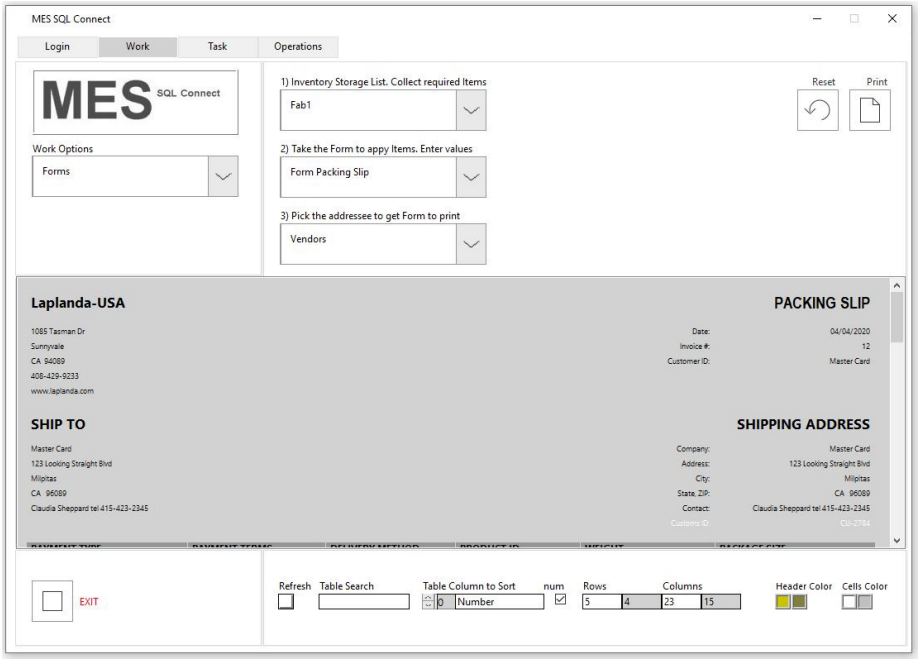
Continue…



Work: Working Options: Forms
Inventory Storage List: Fab1
Take the Form to apply Items: Form Packing Slip
Pick the addressee to get Form to print: Vendors

NOTE: “Pick the addressee to get Form to print” list is a Structure List that should be established during initialization of the Program, see “Structure List” instruction guide.

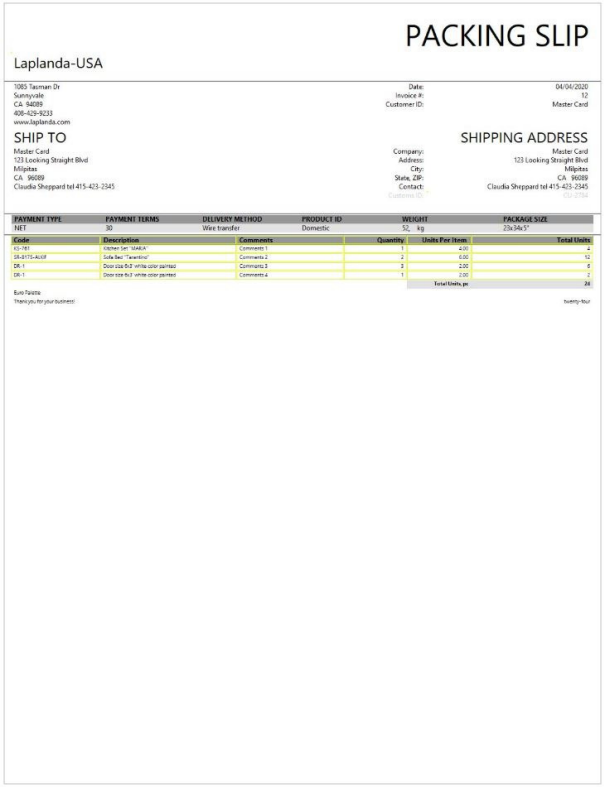
Continue…



Work: Working Options: Forms
Inventory Storage List: Fab1
Take the Form to apply Items: Form Packing Slip
Pick the addressee to get Form to print: Vendors

NOTE: “PACKING SLIP” Form is not correctable in this mode.
Print.

Continue…



PACKING SLIP

Laplanda-USA

1085 Tasman Dr
Sunnyvale
CA 94089
408-429-9233
www.laplanda.com

Date: 04/04/2020
Invoice #: 12
Customer ID: Master Card

SHIP TO

Master Card
123 Looking Straight Blvd
Milpitas
CA 96089
Claudia Sheppard tel 415-423-2345

SHIPPING ADDRESS

Company: Master Card
Address: 123 Looking Straight Blvd
City: Milpitas
State, ZIP: CA 96089
Contact: Claudia Sheppard tel 415-423-2345
Customer ID: CU-2734

PAYMENT TYPE	PAYMENT TERMS	DELIVERY METHOD	PRODUCT ID	WEIGHT	PACKAGE SIZE
NET	30	Wire transfer	Domestic	52, kg	23x34x5"

Code	Description	Comments	Quantity	Units Per Item	Total Units
KS-761	Kitchen Set "LAMLA"	Comments 1	1	4.00	4
SR-8175-AUXIF	Sofa Bed "Tarantino"	Comments 2	2	6.00	12
DR-1	Door size 6x3 white color painted	Comments 3	3	2.00	6
DR-1	Door size 6x3 white color painted	Comments 4	1	2.00	2
				Total Units, pc	24

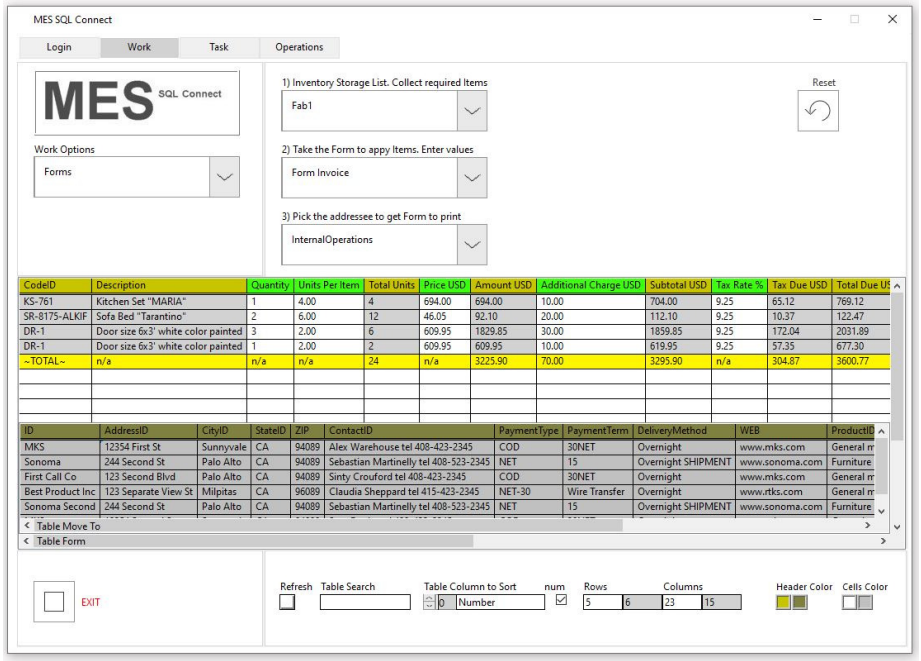
Euro Palette
Thank you for your business!

twenty-four

Browser: PACKING SLIP is printed

“PACKING SLIP” Form is printed as HTML in browser.
This Form can be saved or printed using existed peripheral.

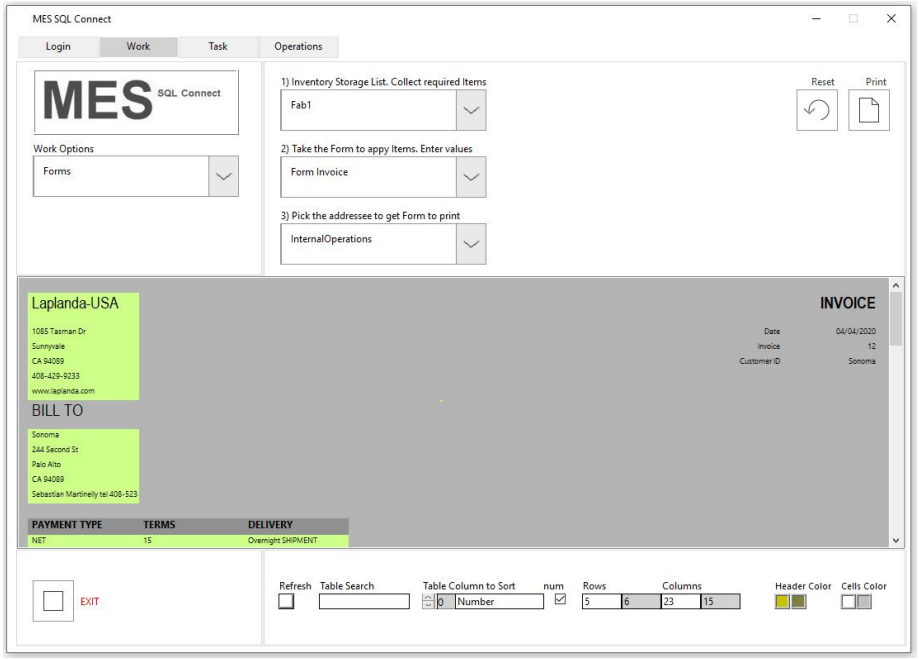
Return to Program…



Work: Working Options: Forms
Inventory Storage List: Fab1
Take the Form to apply Items: Form Invoice
Pick the addressee to get Form to print: Internal Operations

Search in “Table Move To” the addressee to click to get an Invoice Form for check and correction.

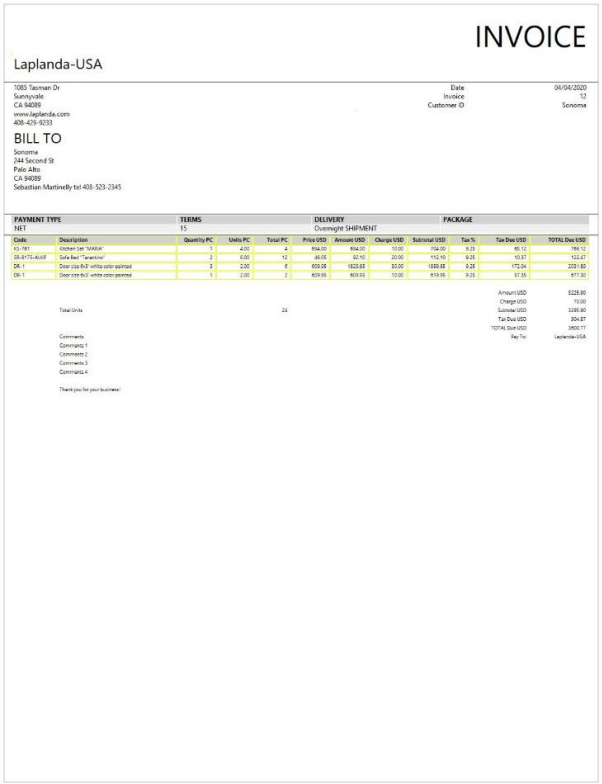
Continue…



Work: Working Options: Forms
Inventory Storage List: Fab1
Take the Form to apply Items: Form Invoice
Pick the addressee to get Form to print: Internal Operations

Check and correct required.
NOTE: Green marked cells made available for entering
NOTE: All changes will apply to “Packing Slip” that will be stored in Database in a moment of printing under the same “Invoice” number with sign “/W” added.

Continue…



INVOICE

Laplanda-USA

1085 Tasman Dr
Sunnyvale
CA 94089
www.laplanda.com
408-429-9233

Date 04/04/2020
Invoice 12
Customer ID Sonoma

BILL TO

Sonoma
244 Second St
Palo Alto
CA 94089
Sebastian Martinelly tel 408-523-2345

PAYMENT TYPE	TERMS	DELIVERY	PACKAGE
NET	15	Overnight SHIPMENT	

Code	Description	Quantity PC	Units PC	Total PC	Price USD	Amount USD	Charge USD	Subtotal USD	Tax %	Tax Due USD	TOTAL Due USD
KS-781	Kitchen Set "MARIA"	1	4.00	4	694.00	694.00	10.00	704.00	9.25	65.12	769.12
DR-RTTS-ALICE	Sofa Bed "Tarantino"	2	6.00	12	86.05	92.10	20.00	112.10	9.25	10.37	122.47
DR-1	Door size 6x3 white color painted	3	2.00	6	609.95	1829.85	30.00	1859.85	9.25	172.04	2031.89
DR-1	Door size 6x3 white color painted	1	2.00	2	609.95	609.95	10.00	619.95	9.25	57.35	677.30

Total Units 24

Amount USD	3225.90
Charge USD	70.00
Subtotal USD	3295.90
Tax Due USD	304.87
TOTAL Due USD	3600.77
Pay To:	Laplanda-USA

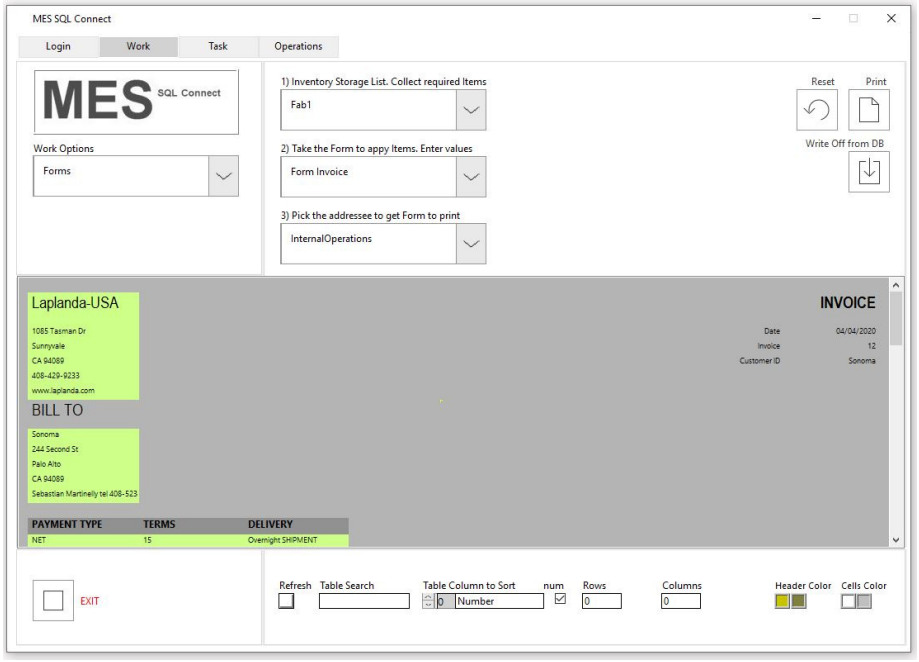
Comments
Comments 1
Comments 2
Comments 3
Comments 4

Thank you for your business!

Browser: INVOICE is printed

"INVOICE" Form is printed as HTML in browser.
This Form can be saved or printed using existed peripheral.

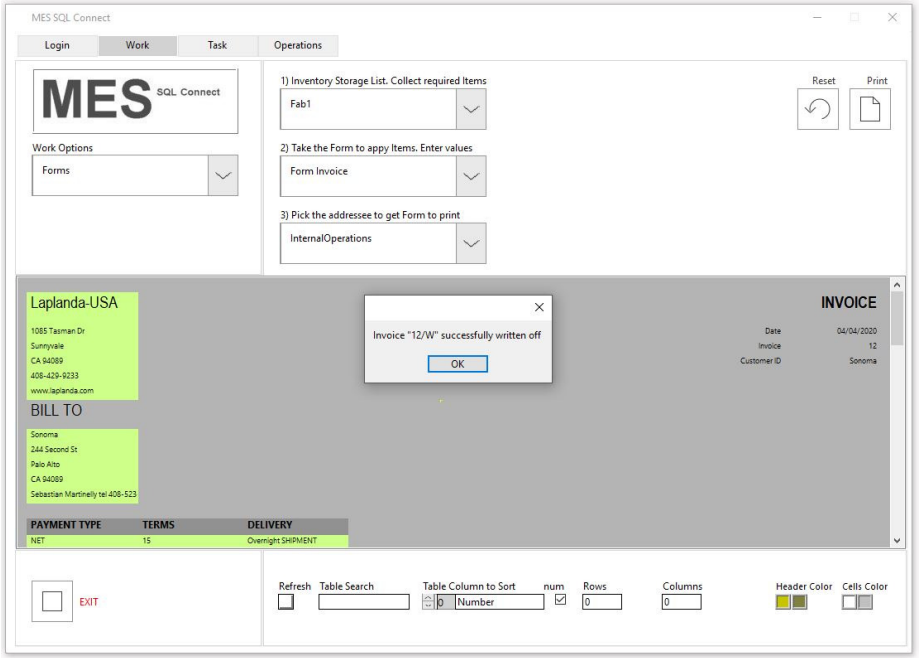
Return to Program…



Work: Working Options: Forms
Inventory Storage List: Fab1
Take the Form to apply Items: Form Invoice
Pick the addressee to get Form to print: Internal Operations

Use “Write Off from DB” Function ones to write off the quantity from “Warehouse” and “Fab1” (in this case).
NOTE: After “Write Off from DB” Function execution all data in the “Table Collected Items” will be erased.

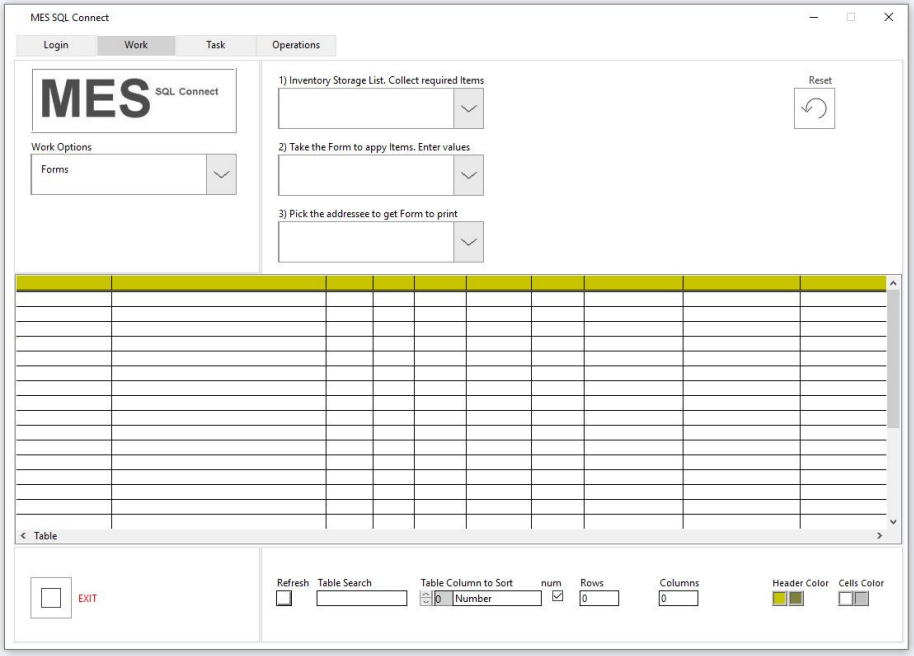
Continue…



Work: Working Options: Forms
Inventory Storage List: Fab1
Take the Form to apply Items: Form Invoice
Pick the addressee to get Form to print: Internal Operations

Use “Write Off from DB” Function ones to write off the quantity from “Warehouse” and “Fab1” (in this case).
NOTE: After “Write Off from DB” Function execution all data in the “Table Collected Items” will be erased.
DIALOG: “Invoice “12/w” successfully written off”.
OK

Continue…

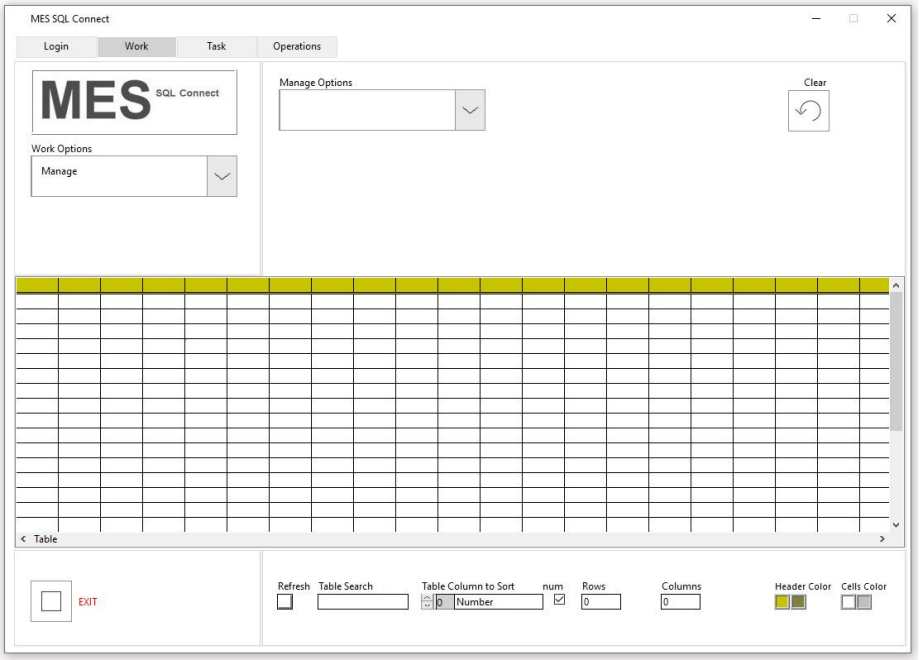


Work: Working Options: Forms

After “Write Off from DB” Function used ones all stored data of previous work will be erased. The Tab is ready for new work.

•To get work back the follow to:
•Work/ Work Option: Manage
• Manage Options: Manage Documents
•Manage Documents: FormInvoiceDetails

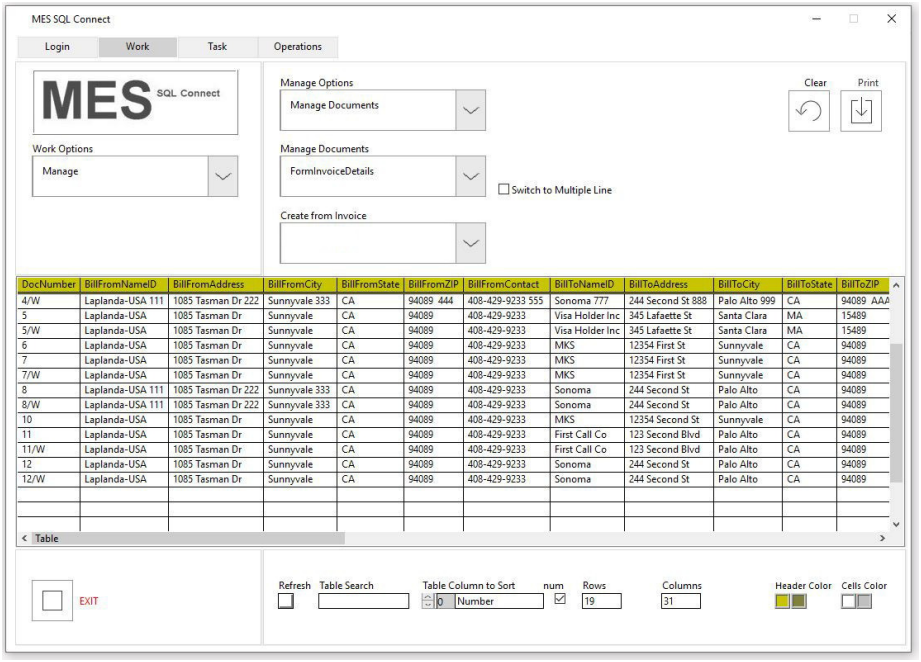
Continue…



Work: Working Options: Manage
Manage Options: Manage Documents
Manage Documents: FormInvoiceDetails

Use “Manage” Tab to retrieve the Form work.

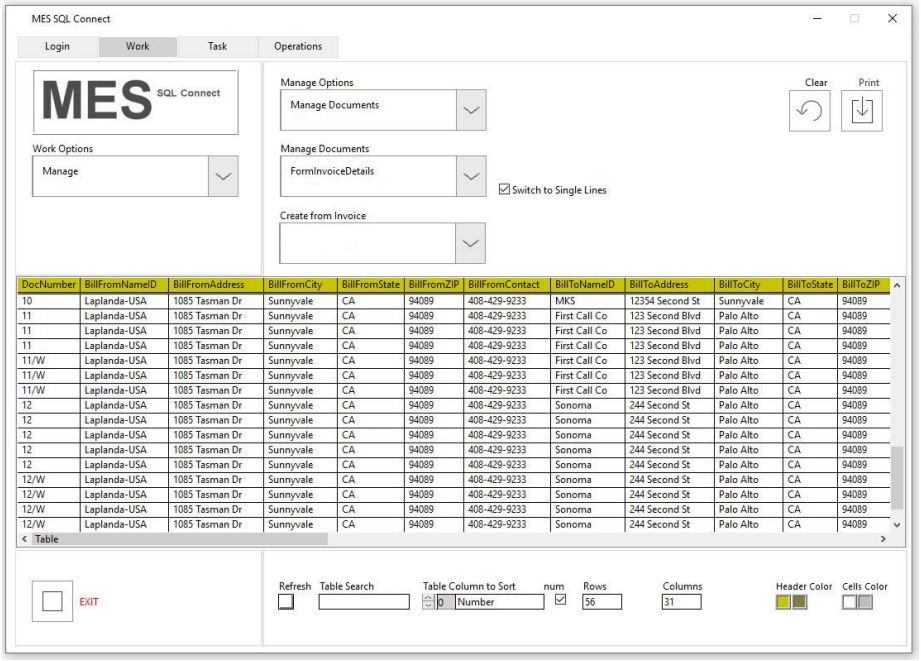
Continue…



Work: Working Options: Manage
Manage Options: Manage Documents
Manage Documents: FormInvoiceDetails

Use “Manage” Tab to retrieve the Form work.
NOTE: Use “Table Search”, “ Table Columns to Sort” and “num” to find the Item.

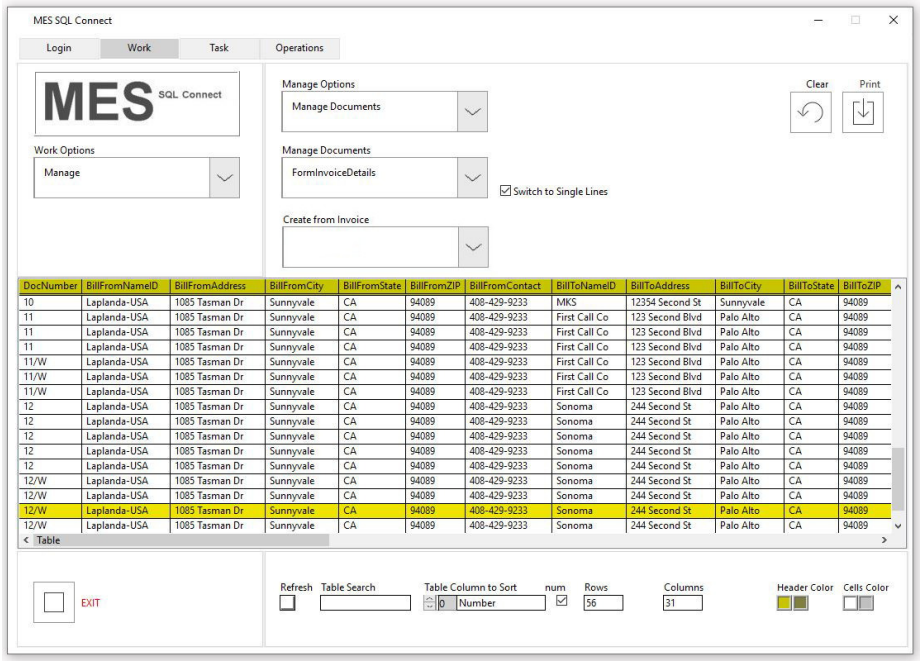
Continue…



Work: Working Options: Manage
Manage Options: Manage Documents
Manage Documents: FormInvoiceDetails

Use “Manage” Tab to retrieve the Form work.
NOTE: “Switch to Multiple Lines/Switch to Single line” check mark is eliminating the multiple documents lines with one “DocNumber”.

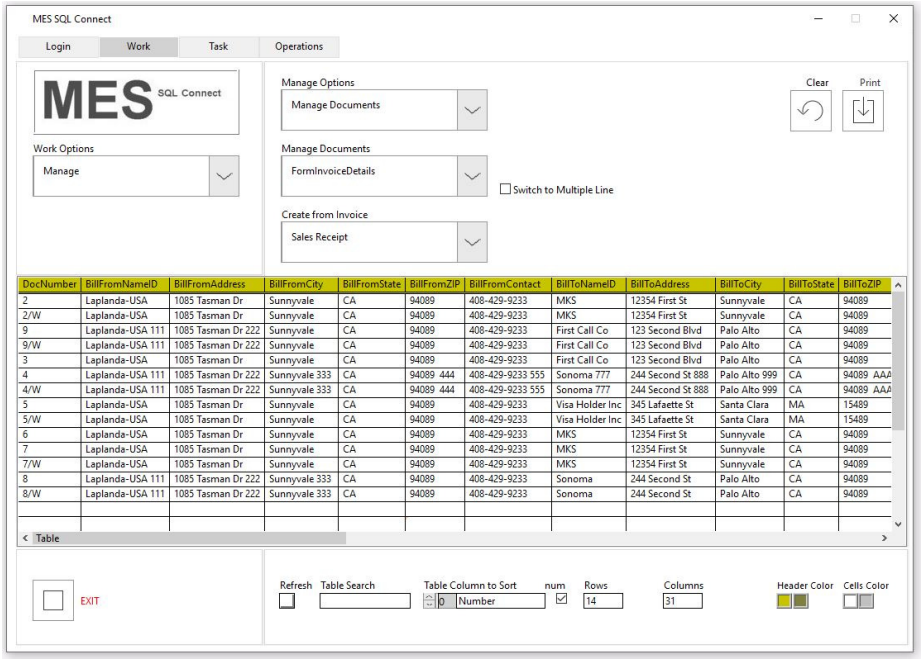
Continue…



Work: Working Options: Manage
Manage Options: Manage Documents
Manage Documents: FormInvoiceDetails

Use “Manage” Tab to retrieve the Form work.
Pick the row.
Print.

Continue…



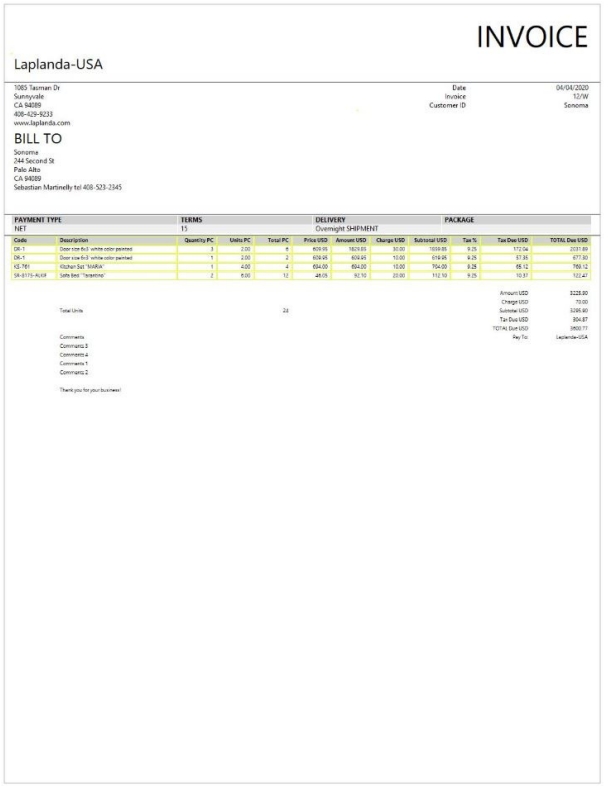
Work: Working Options: Manage
Manage Options: Manage Documents
Manage Documents: FormInvoiceDetails

"FormInvoiceDetails" Function has an Option to convert existed Invoice to:

- Quotation
- Sales Receipt

Find the Item.
Pick the row.
Print.

Continue…



INVOICE

Laplanda-USA

1085 Tasman Dr
Sunnyvale
CA 94089
408-429-9233
www.laplanda.com

Date 04/04/2020
Invoice 12/W
Customer ID Sonoma

BILL TO

Sonoma
244 Second St
Palo Alto
CA 94089
Sebastian Martinelly tel 408-523-2345

PAYMENT TYPE	TERMS	DELIVERY	PACKAGE
NET	15	Overnight SHIPMENT	

Code	Description	Quantity PC	Units PC	Total PC	Price USD	Amount USD	Charge USD	Subtotal USD	Tax %	Tax Due USD	TOTAL Due USD
DK-1	Door size 6x3 white color painted	3	2.00	6	609.95	1829.85	30.00	1859.85	9.25	172.04	2031.89
DK-1	Door size 6x3 white color painted	1	2.00	2	609.95	609.95	10.00	619.95	9.25	57.35	677.30
KE-791	Kitchen Set "MARIA"	1	4.00	4	694.00	694.00	10.00	704.00	9.25	65.12	769.12
SK-8775-ALGR	Sofa bed "Tangerine"	2	6.00	12	45.05	90.10	20.00	110.10	9.25	10.37	122.47

Amount USD	3228.00
Charge USD	70.00
Subtotal USD	3298.90
Tax Due USD	304.87
TOTAL Due USD	3603.77
Pay To	Laplanda-USA

Total Units 28

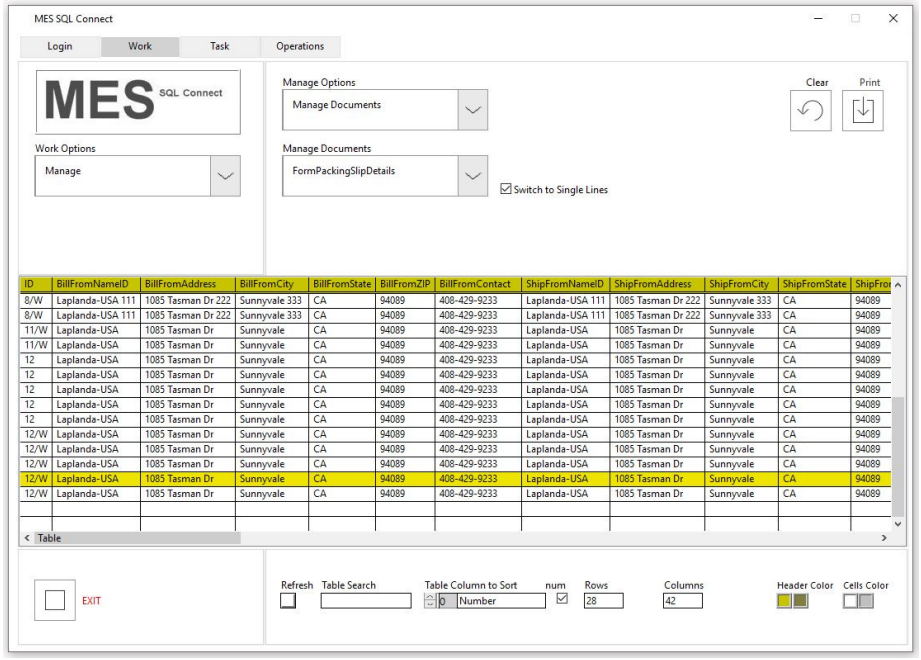
Comments
Comments 3
Comments 4
Comments 1
Comments 2

Thank you for your business!

Browser: INVOICE is printed

"INVOICE" Form is printed as HTML in browser.
This Form can be saved or printed using existed peripheral.

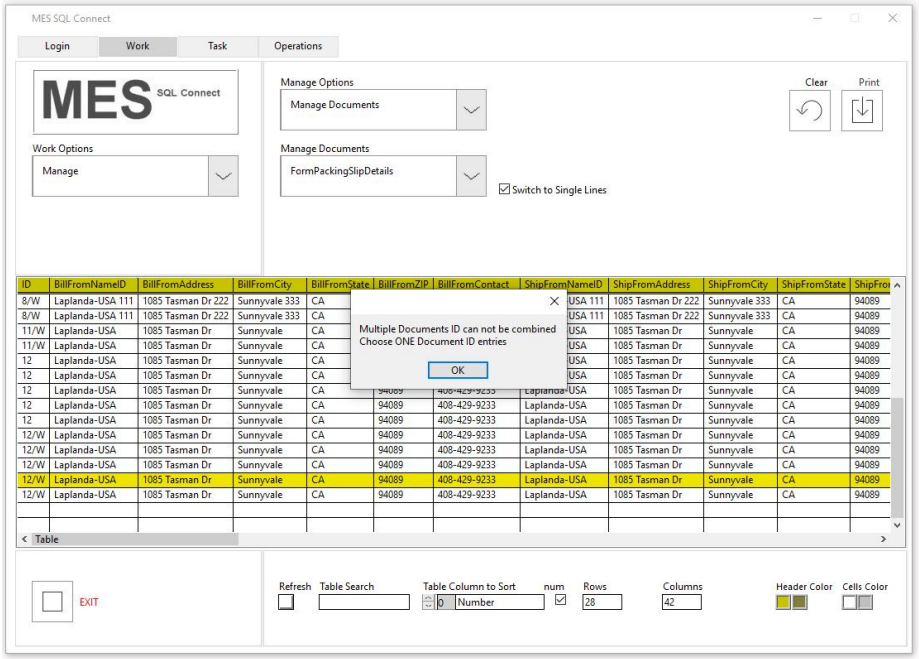
Return to Program…



Work: Working Options: Manage
Manage Options: Manage Documents
Manage Documents: FormPackingSlipDetails

Use “Manage” Tab to retrieve the Form work.
Find the Item.
Pick the row.
Print.

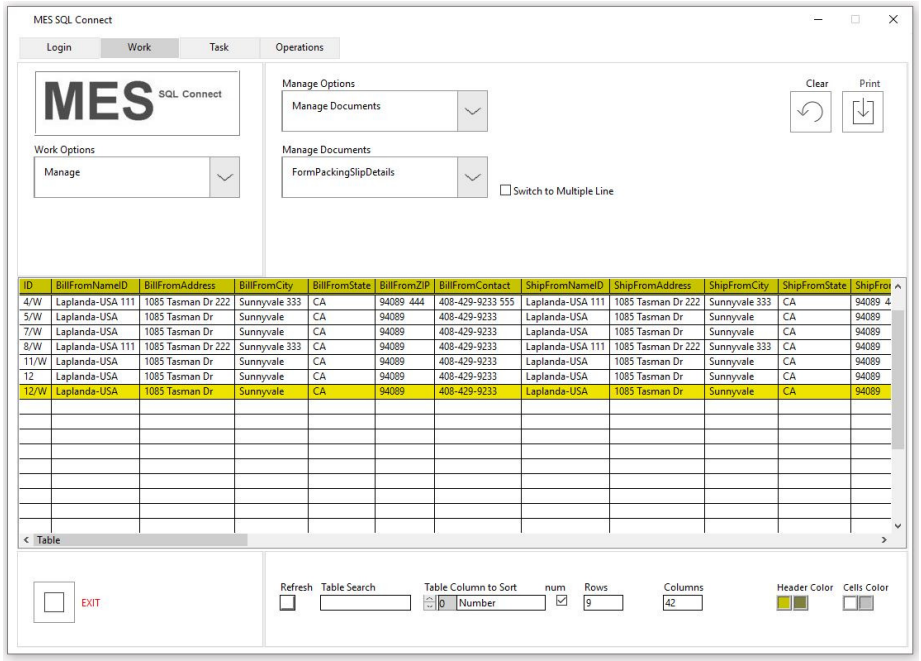
Continue…



Work: Working Options: Manage
Manage Options: Manage Documents
Manage Documents: FormPackingSlipDetails

DIALOG: In case multiple lines are taken with different DateTimeID value
Use “Manage” Tab to retrieve the Form work.
Find the Item.
Pick the row.
Print.

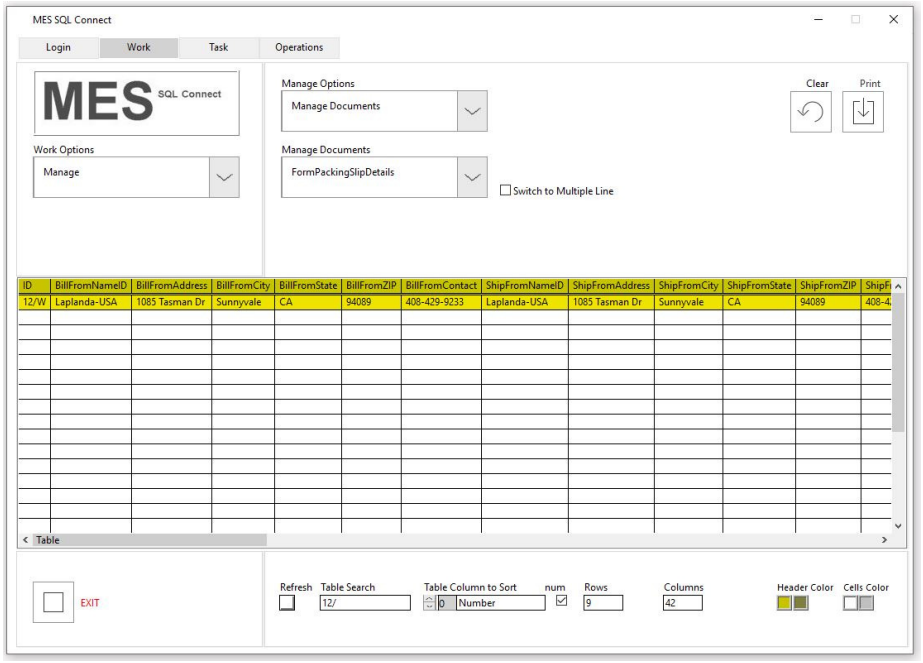
Continue…



Work: Working Options: Manage
Manage Options: Manage Documents
Manage Documents: FormPackingSlipDetails

Use “Manage” Tab to retrieve the Form work.
Find the Item.
Pick the row.
Print.

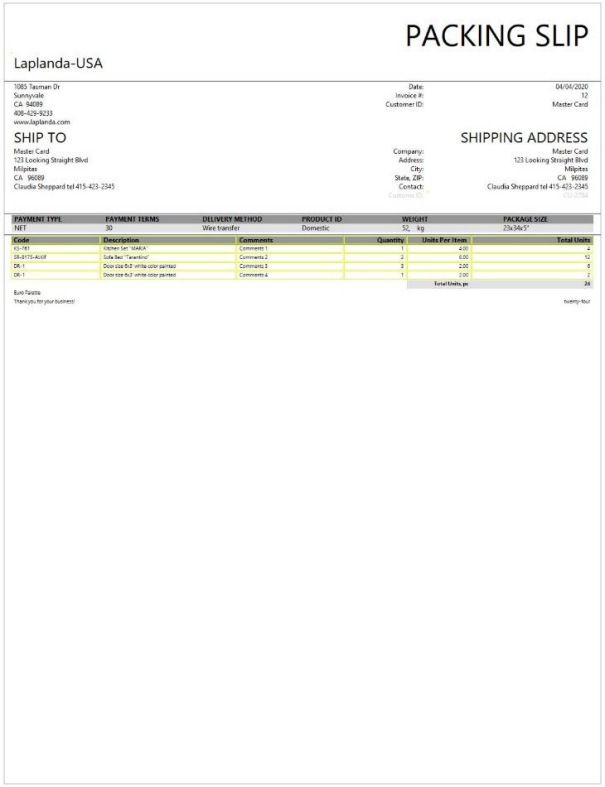
Continue…



Work: Working Options: Manage
Manage Options: Manage Documents
Manage Documents: FormPackingSlipDetails

Use “Manage” Tab to retrieve the Form work.
Use “Table Search” Function: Find the Item “12/”.
Pick the row.
Print.

Continue…



PACKING SLIP

Laplanda-USA

1085 Tasman Dr
Sunnyvale
CA 94089
408-429-9233
www.laplanda.com

Date: 04/04/2020
Invoice #: 12
Customer ID: Master Card

SHIP TO

Master Card
123 Looking Straight Blvd
Milpitas
CA 96089
Claudia Sheppard tel 415-423-2345

SHIPPING ADDRESS

Company: Master Card
Address: 123 Looking Straight Blvd
City: Milpitas
State, ZIP: CA 96089
Contact: Claudia Sheppard tel 415-423-2345
Customer ID: CU-2734

PAYMENT TYPE	PAYMENT TERMS	DELIVERY METHOD	PRODUCT ID	WEIGHT	PACKAGE SIZE
NET	30	Wire transfer	Domestic	52, kg	23x34x5"

Code	Description	Comments	Quantity	Units Per Item	Total Units
KS-761	Kitchen Set "LAMLA"	Comments 1	1	4.00	4
SR-8175-AUXIF	Sofa Bed "Tarantino"	Comments 2	2	6.00	12
DR-1	Door size 6x3 white color painted	Comments 3	3	2.00	6
DR-1	Door size 6x3 white color painted	Comments 4	1	2.00	2
				Total Units, pc	24

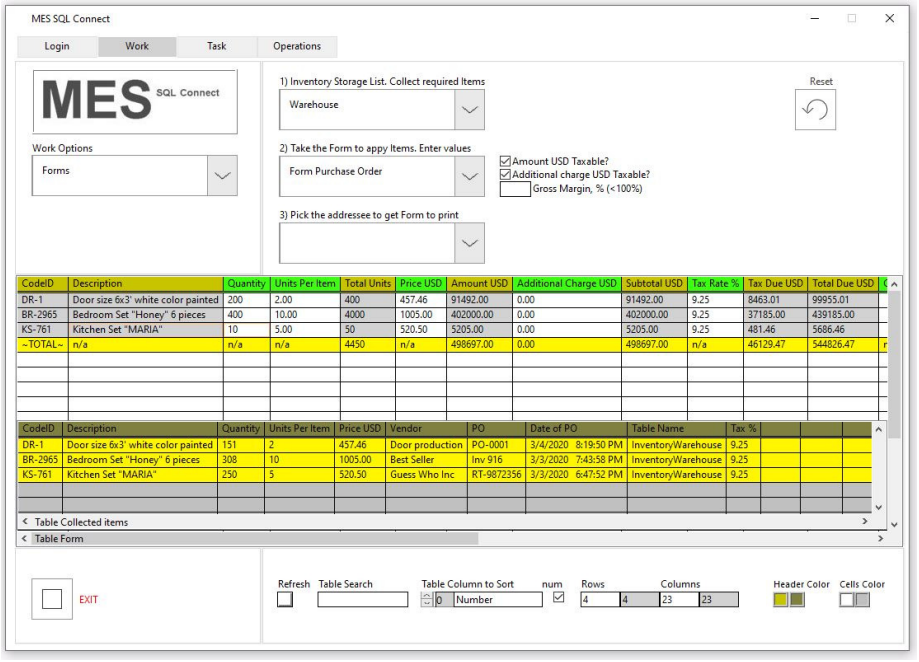
Euro Palette
Thank you for your business!

twenty-four

Browser: PACKING SLIP is printed

“PACKING SLIP” Form is printed as HTML in browser.
This Form can be saved or printed using existed peripheral.

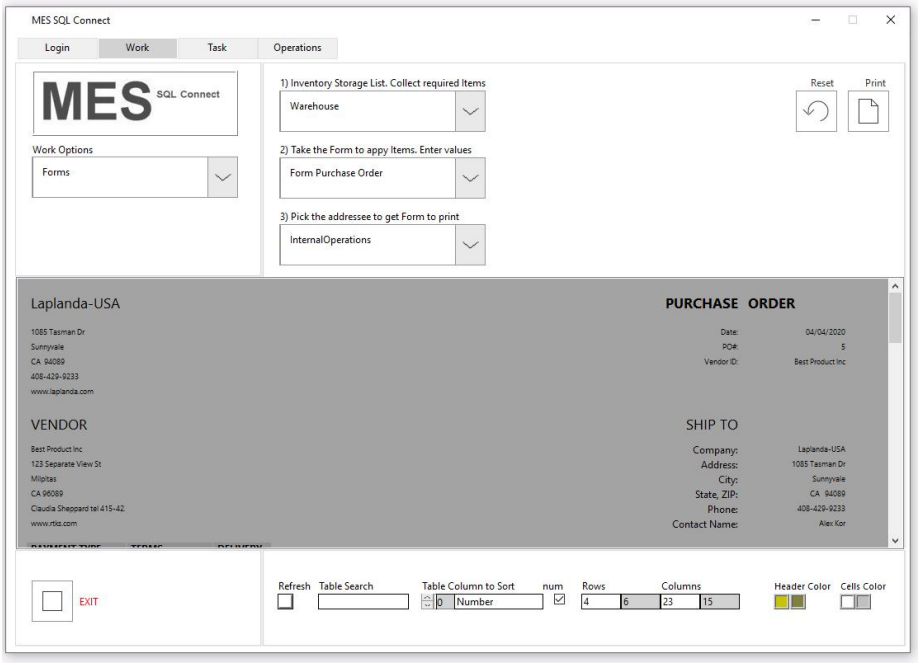
Return to Program…



Work: Working Options: Forms Inventory Storage List: Warehouse Take the Form to apply Items: Form Purchase Order

Use the work similar to “Invoice” and “Packing Slip”.
Pick the addressee to get Form to print:

Continue…



Work: Working Options: Forms
Inventory Storage List: Warehouse
Take the Form to apply Items:
Form Purchase Order

Print.

Continue…

PURCHASE ORDER

Laplanda-USA

1085 Tasman Dr
Sunnyvale
CA 94089
408-429-9233
www.laplanda.com

Date: 04/04/2020
PO#: 5
Vendor ID: Best Product Inc

VENDOR

Best Product Inc
123 Separate View St
Milpitas
CA 96089
Claudia Sheppard tel 415-423-2345
www.rtks.com

SHIP TO

Company: Laplanda-USA
Address: 1085 Tasman Dr
City: Sunnyvale
State, ZIP: CA 94089
Phone: 408-429-9233
Contact Name: Alex Kor

PAYMENT TYPE	TERMS	DELIVERY	PACKAGE
NET-30	Wire Transfer	Overnight	

Code	Description	Quantity PC	Units PC	Total PC	Price USD	Amount USD	Charge USD	Subtotal USD	Tax %	Tax Due USD	TOTAL Due USD
DR-1	Door size 6x3 white color painted	200	2.00	400	437.46	91492.00	0.00	91492.00	9.25	8465.01	99955.01
BR-2965	Bedroom Set "Honey" 6 pieces	400	10.00	4000	1005.00	402000.00	0.00	402000.00	9.25	37185.00	439185.00
KS-761	Kitchen Set "MARA"	10	5.00	50	520.50	5205.00	0.00	5205.00	9.25	481.46	5686.46

Amount USD	496697.00
Charge USD	0.00
Subtotal USD	496697.00
Tax Due USD	46129.47
TOTAL Due USD	544826.47
Pay To:	Best Product Inc

Total Units 4450

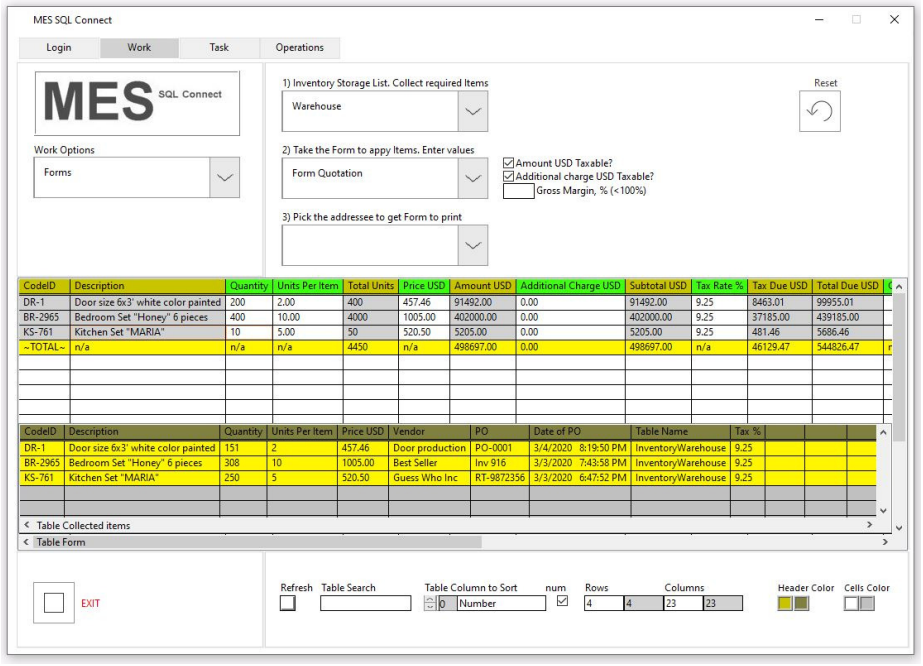
Comments:

Thank you for your business!

Browser: PURCHASE ORDER is printed

"PURCHASE ORDER" Form is printed as HTML in browser.
This Form can be saved or printed using existed peripheral.

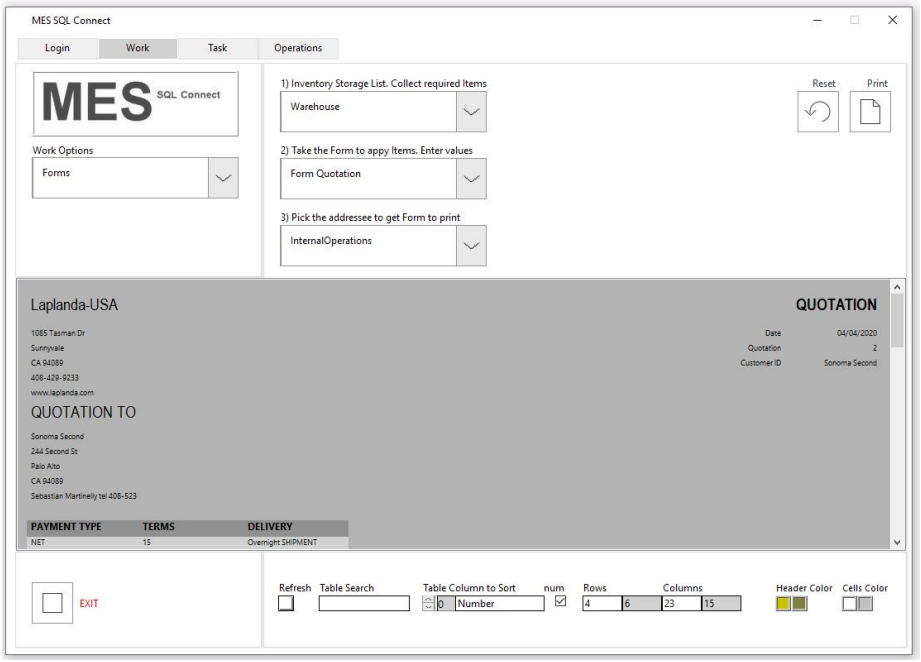
Return to Program…



Work: Working Options: Forms
Inventory Storage List: Warehouse
Take the Form to apply Items: Form Quotation

Use the work similar to “Invoice” and “Packing Slip”.
Pick the addressee to get Form to print:

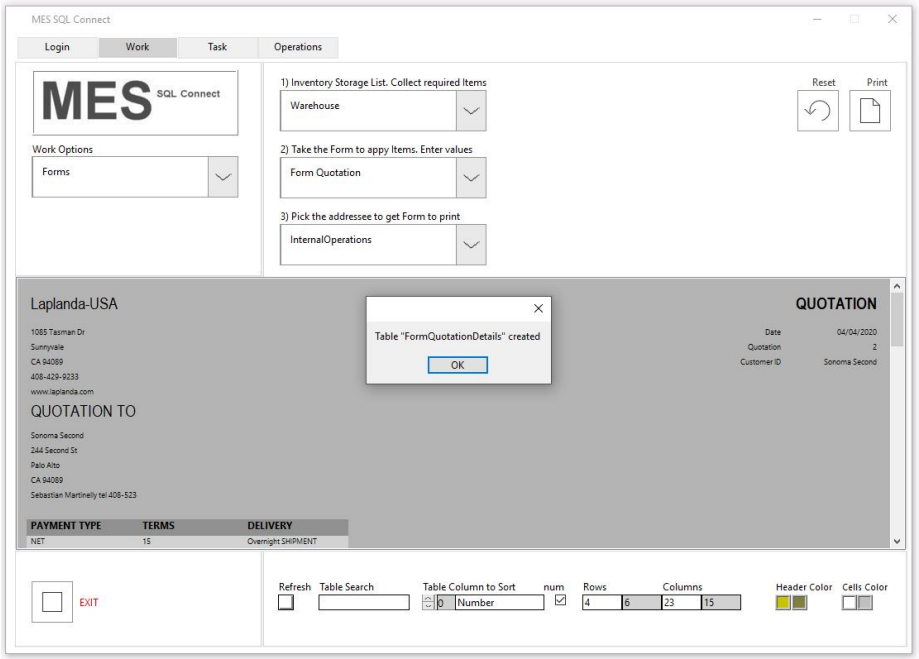
Continue…



Work: Working Options: Forms
Inventory Storage List: Warehouse
Take the Form to apply Items: Form Quotation

Print.

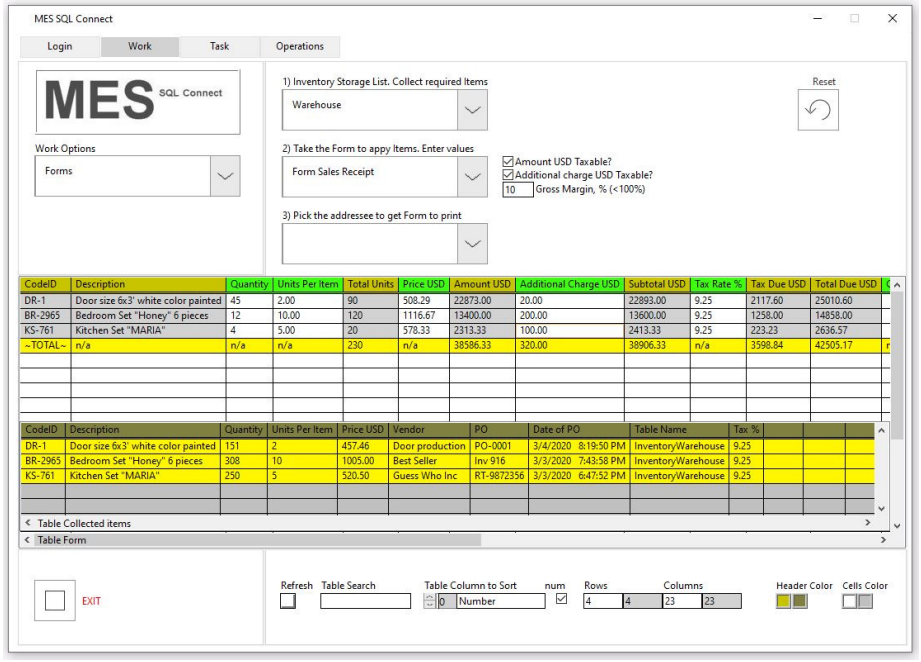
Continue…



Work: Working Options: Forms
Inventory Storage List: Warehouse
Take the Form to apply Items: Form Quotation

DIALOG" Table "FormQuotationDetails" created.
NOTE: The Tables for particular work are creating automatically.

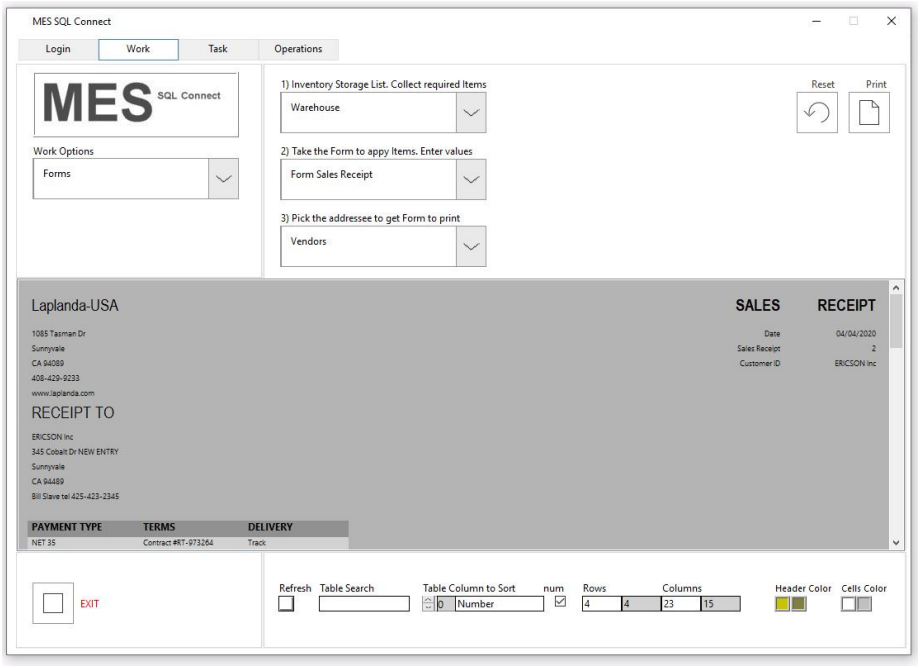
Continue…



Work: Working Options: Forms
Inventory Storage List: Warehouse
Take the Form to apply Items: Form Sales Receipt

Use the work similar to “Invoice” and “Packing Slip”.
Pick the addressee to get Form to print:

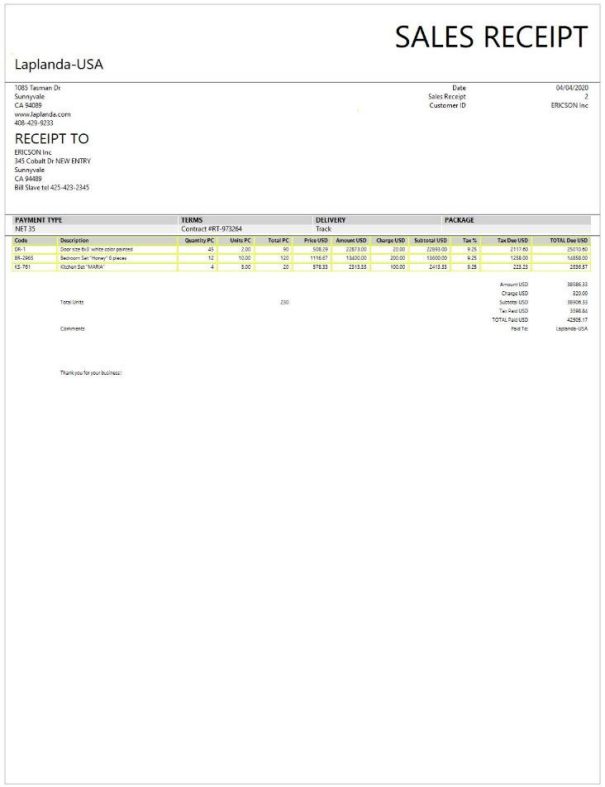
Continue…



Work: Working Options: Forms
Inventory Storage List: Warehouse
Take the Form to apply Items: Sales Receipt

Print.

Continue…



SALES RECEIPT

Laplanda-USA

1085 Tasman Dr
Sunnyvale
CA 94089
www.laplanda.com
408-429-9233

Date 04/04/2020
Sales Receipt 2
Customer ID ERICSON Inc

RECEIPT TO

ERICSON Inc
345 Cobalt Dr NEW ENTRY
Sunnyvale
CA 94489
Bill Slave tel 425-423-2345

PAYMENT TYPE	TERMS	DELIVERY	PACKAGE
NET 35	Contract #RT-973264	Track	

Code	Description	Quantity PC	Units PC	Total PC	Price USD	Amount USD	Charge USD	Subtotal USD	Tax %	Tax Due USD	TOTAL Due USD
BR-1	Door size 6x3 white color painted	45	2.00	90	508.29	22873.00	20.00	22893.00	9.25	2117.60	25010.60
BR-2965	Bedroom Set "Honey" 6 pieces	12	10.00	120	1116.67	13400.00	200.00	13600.00	9.25	1258.00	14858.00
KS-761	Kitchen Set "MARIA"	4	5.00	20	578.33	2313.33	100.00	2413.33	9.25	223.23	2636.57

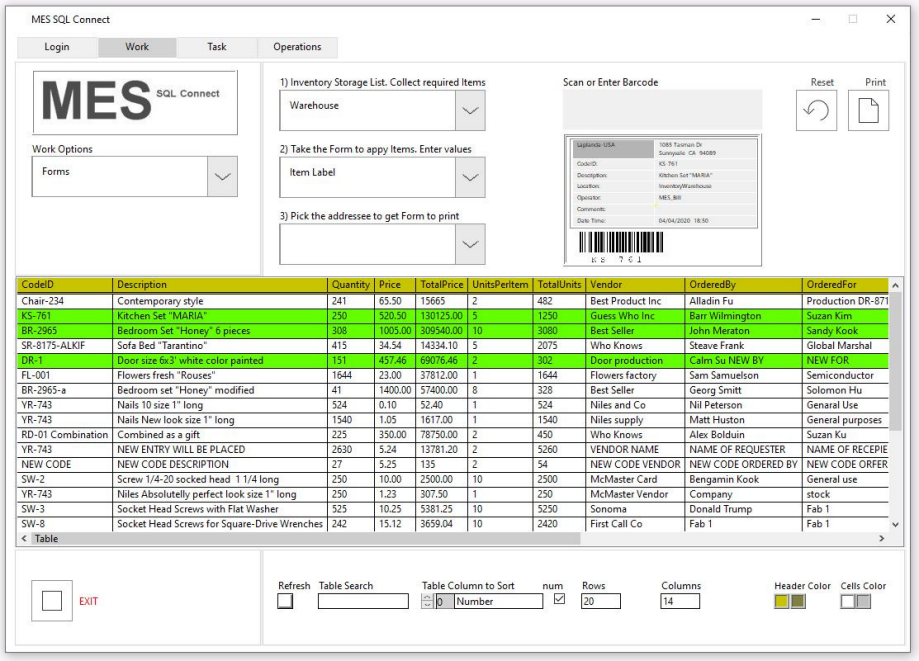
		Amount USD	38586.33
		Charge USD	320.00
Total Units	230	Subtotal USD	38906.33
		Tax Paid USD	3598.84
		TOTAL Paid USD	42505.17
Comments		Paid To:	Laplanda-USA

Thank you for your business!

Browser: SALES RECEIPT is printed

“SALES RECEIPT” Form is printed as HTML in browser.
This Form can be saved or printed using existed peripheral.

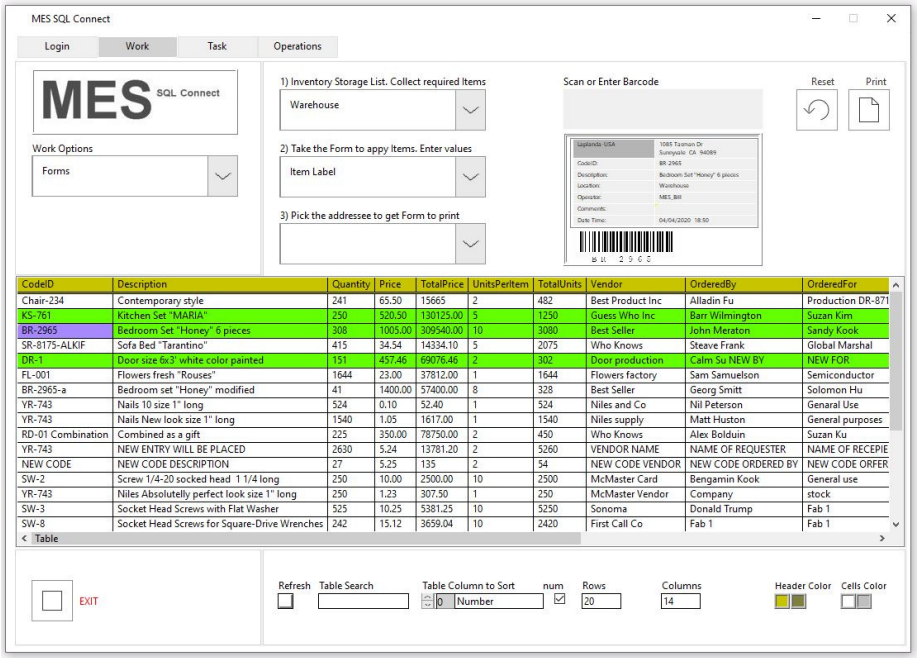
Return to Program…



Work: Working Options: Forms
Inventory Storage List: Warehouse
Take the Form to apply Items: Item Label

The Items rows collected to “Table Collected Items” are market in Green color.
Pick any Item to create an Item Label.
NOTE: The Barcode Scanner can be used to create the Barcode Label.
Print.

Continue…



Work: Working Options: Forms
Inventory Storage List: Warehouse
Take the Form to apply Items: Item Label

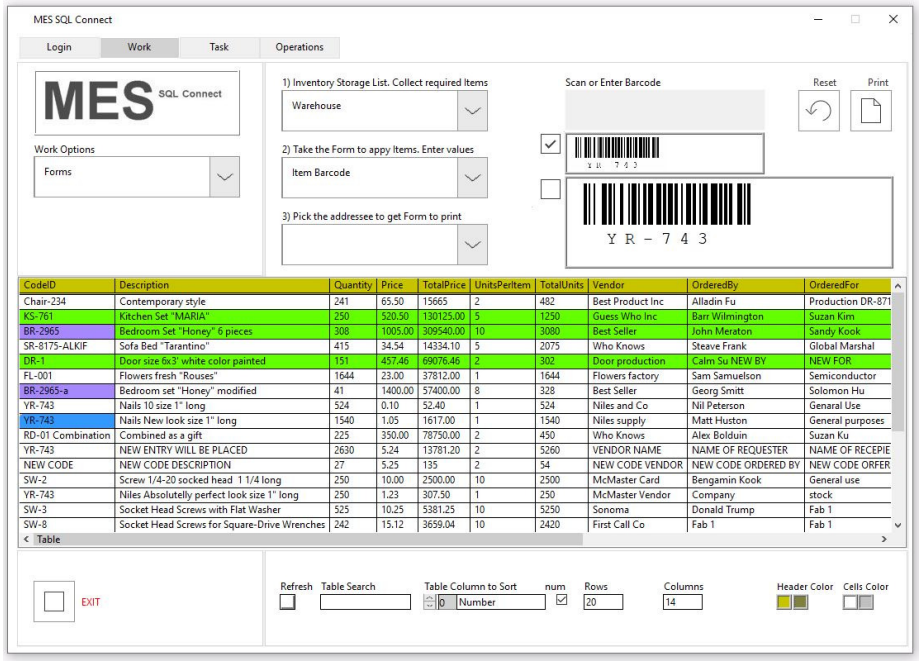
The Items rows collected to “Table Collected Items” are market in Green color.
Pick any Item to create an Item Label.
Picked CodeID is marked by Violet color.
NOTE: The Barcode Scanner can be used to create the Barcode Label.
Print.

Continue…

Browser: ITEM LABEL is printed

"ITEM LABEL" Form is printed as HTML in browser.
This Form can be saved or printed using existed peripheral.

Return to Program…



Work: Working Options: Forms
Inventory Storage List: Warehouse
Take the Form to apply Items: BARCODE

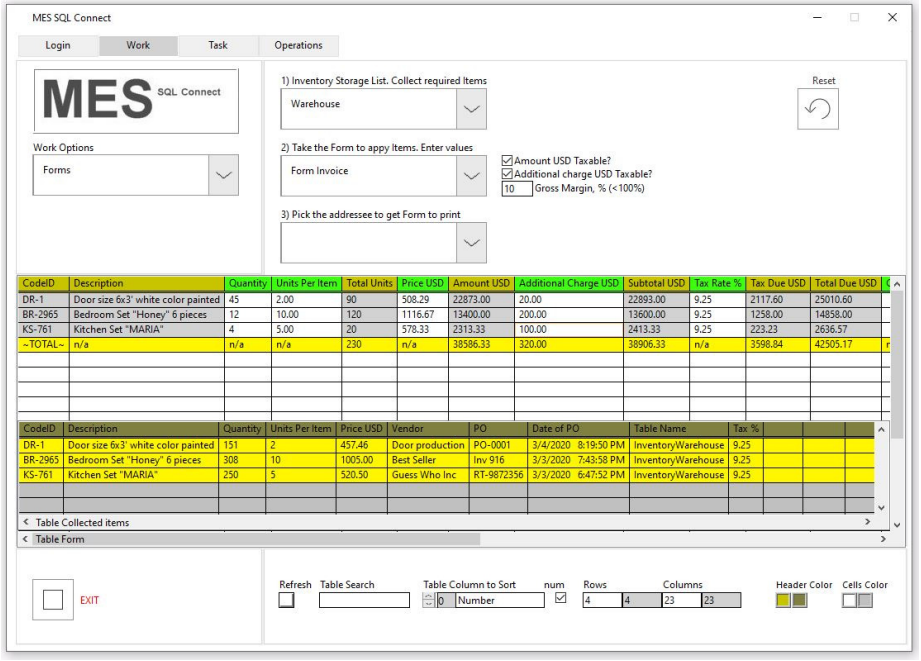
The Items rows collected to “Table Collected Items” are market in Green color.
Pick any Item to create a BARCODE.
Picked CodeID is marked by Blue color.
NOTE: The Barcode Scanner can be used to create the Barcode Label.
Print.

Continue…

Browser: BARCODE is printed

“BARCODE” Form is printed as HTML in browser.
This Form can be saved or printed using existed peripheral.

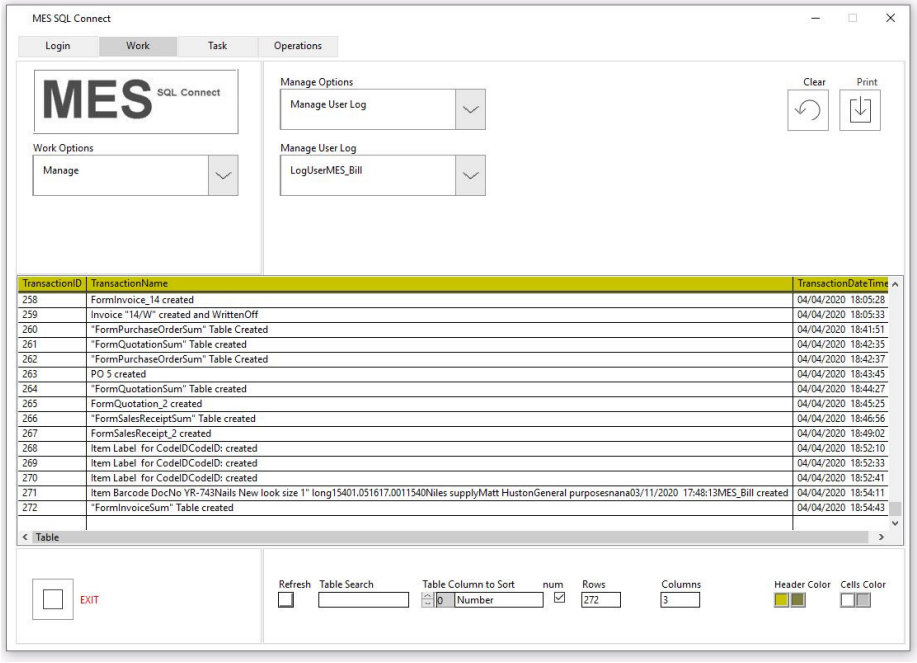
Return to Program…



Work: Working Options: Forms
Inventory Storage List: Warehouse
Take the Form to apply Items: Form Invoice

"Table Form" is keeping values during work with Forms and can be retrieve be choosing any Form in "Take the Form to apply Items"

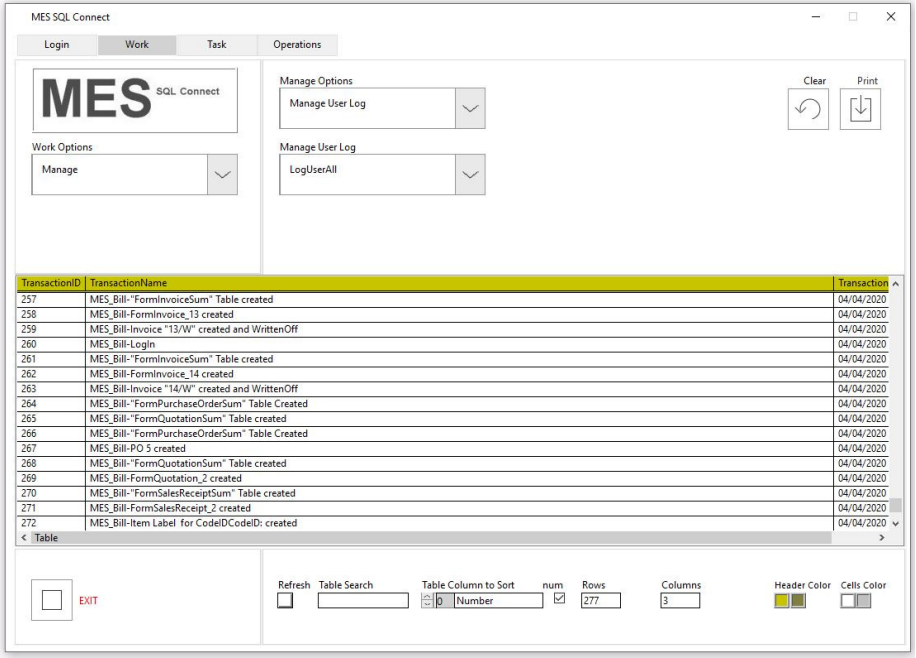
Continue…



Work: Working Options: Manage
Manage Options: Manage User Log
Manage Documents: LogUserMES_Bill

Use “Manage” Tab to check single User Log.
All operations are storing and can be retrieve under this Tab.

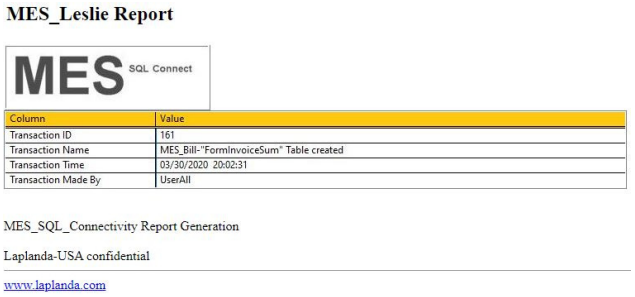
Continue…



Work: Working Options: Manage
Manage Options: Manage User Log
Manage Documents: LogUserAll

Use “Manage” Tab to check All Users Log.
All operations are storing and can be retrieve under this Tab.

Continue…



MES_Leslie Report

MES SQL Connect

Column	Value
Transaction ID	161
Transaction Name	MES_Bill-"FormInvoiceSum" Table created
Transaction Time	03/30/2020 20:02:31
Transaction Made By	UserAll

MES_SQL_Connectivity Report Generation

Laplanda-USA confidential

www.laplanda.com

Print: UserLog Tag is printed

UserLog Tag is printed as HTML in browser.
This Tag can be saved or printed using existed peripheral.

Return to Program…