Laplanda



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

<u>Structure</u>







Work: Working Options

Structure •DB Query •Forms •Inventory •Production •Manage •Operations •System Data •SOP



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Work: Working Options: Structure

Sample Structure List:

- •Operations
- •Vendors
- •Customers
- Workers
- Services
- Contractors
- Delivery
- •Customs



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Work: Working Options: System Data SysData Task Select: Structure List

Create your own Structure List in "Work/Work Options/System Data/SysData Task Select/Structure List". Save

NOTE: Structure List contains all your Partners, Vendors, Contractors, Employees, Patients, Customers... who are involved in your Business activity, may have the purchase, deliver a service or goods, may be responsible for Inventory, Tasks, Operations end etc.

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Work: Working Options: Structure Structure List: Internal Operations

NOTE: The "ID" Fields column is using as identifier for any entry and is used as a unique name of the entire row

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To start working with Table click the row, perform the Table search, sort, or direct enter the "ID". The program automatically will compare all "ID" in the table and will suggest all available operations to do.

In current image: "Sonoma" is found as an unique entry. DIALOG: Replace? New Entry? Cancel?

NOTE: Dialog "x" sign has always the same function as a right Dialog button, the "Cancel" in this case



Function: Replace Change or re-enter Save



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Function: New Entry Change or re-enter Save

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Work: Working Options: Structure Structure List: Internal Operations

Function: New Entry Enter all fields Save NOTE: All fields must be filled in, see next slide

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ID MKS Sonoma First Call Co Best Product Inc Sonoma Second MKS Sonoma	AddressID 1254 First St 245 Second St 123 Second Bird 123 Second St 245 Second St 245 Second St 245 Second St	CityID Sunnyvale Palo Alto Palo Alto Milpitas Palo Alto Sunnyvale Palo Alto	StatelD CA CA CA CA CA CA CA	ZIP 94089 94089 94089 94089 96089 94089 <td>ContactID Alex Wareh Sebastian M Sinty Croufe Claudia She Sebastian Ma Sam Boolet Sebastian Ma</td> <td>All fields must be fill OK Intimelly tel 408-523-2345</td> <td>Paymer × ed in NET</td> <td>ntType</td> <td>PaymentTerm 30NET 15 30NET Wire Transfer 15 30NET 15</td> <td>Na DekiceryMethod Overnight Overnight SHIPMENT Overnight SHIPMENT Overnight SHIPMENT</td> <td>WEB www.mks.com www.mks.com www.rks.com www.rks.com www.rks.com www.sonoma.co</td> <td></td>	ContactID Alex Wareh Sebastian M Sinty Croufe Claudia She Sebastian Ma Sam Boolet Sebastian Ma	All fields must be fill OK Intimelly tel 408-523-2345	Paymer × ed in NET	ntType	PaymentTerm 30NET 15 30NET Wire Transfer 15 30NET 15	Na DekiceryMethod Overnight Overnight SHIPMENT Overnight SHIPMENT Overnight SHIPMENT	WEB www.mks.com www.mks.com www.rks.com www.rks.com www.rks.com www.sonoma.co	

New Entry from scratch All fields must be filled in. Save

Clear Sav	
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Work: Working Options: Structure Structure List: Internal Operations

New Entry created

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and the second		\sim	C	ontact								
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rst Call Co	123 Second Blvd	Palo Alto	CA	94089	Sinty Crouford tel 408-42	3-2345			COD	30NET	Overnight	
est Product Inc	123 Separate View St	Milpitas	CA	96089	Claudia Sheppard tel 415	-423-2345			NET-30	Wire Transfer	Overnight	
onoma Second	244 Second St	Palo Alto	CA	94089	Sebastian Martinelly tel 4	08-523-2345			NET	15	Overnight SHIPMEN	ľ
onoma	245 Second St	Palo Alto	CA	94089	Sebastian Martinelly tel 4	08-523-2345			NET	15	Overnight SHIPMEN	1
onoma	245 Second St	Palo Alto	CA	94089	Sebastian Martinelly tel 4	08-523-2345			NET	15	Overnight SHIPMEN	
IKS	12354 First St	Sunnyvale	CA	94089	Alex Warehouse tel 408-	423-2345			COD	30INE I	Overnight	
IKS	12354 Second St	Sunnyvale	CA	94089	Sam Boolet tel 408-433-2	345			COD	30INE I	Overnight	-
lobal Network	28346 Bolean Dr	Los Angeles	CA	94058	Tommi Sullyvan Phone	409-456-456/,e	email tommy@s	ullyvan.com	NEI	30	Overnight	
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Work: Working Options: Structure Structure List: Internal Operations

"Table Columns to Sort" Function: AddressID

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				Structure List							Clea
	IES	SQL Connect		InternalOperations		\sim					5
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Sudeu	ie.	\sim		Contact							
				Tommi Sullyvan Pho	one 409-456-45	57, email tom	my@sullyvan.co	m			
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"Table Search" Function: search for "best"

NOTE: "Refresh" button (bottom tab) is making the Table data one step back

NOTE: "Clear" button making the refresh the Table data to DB actual condition and filled out all information fields.

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Login	Work		Task	Operations					
				Structure List					Cle
IVI	ES	SQL Conr	nect	InternalOperati	ons	/			5
Work Option	15			ID	Address		City		State ZIP
Structure			~	Best Product Inc	123 Separate View	/ St	Milpitas		CA 960
				Contact Claudia Shennar	tel 415-423-2345				
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D A	AddressID	CityID	StateID 2	ZIP ContactID	ID	"Best Product Inc"	exists	VEB	ProductID
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"Table Search" Function: search for "best"

NOTE: By clicking to the row in the Table you are making this row as a default information data source for operation specified in Dialog window.

Function available in this case: "Replace? New Entry? Cancel? "x"

-	Work Task Operations						
Μ	ES SQL Connect Manage Options	~				Clear	Pri
Work Optio	ns Manage User Log						
Manage	LogUserAll	~					
ancactionID	TransactionName	TransactionDateTime					
a	MES Brian-Login	04/05/2020 17:32:10					
, ,	MES Brian-Operations Started	04/05/2020 17:32:10	-		-	-	
1	MES John-Login	04/05/2020 17:32:31			-		
	inesjonn cogn	0 0 00/ 2020 11102101					
2	MES John-Task Report sent	04/05/2020 17:47:47					
2	MES_John-Task Report sent MES_John-Task&rchive_MES_John	04/05/2020 17:47:47			-		
2 3 4	MES_John-Task Report sent MES_John-TaskArchive MES_John MES Bill-LogIn	04/05/2020 17:47:47 04/05/2020 18:03:57 04/05/2020 18:08:50					
2 3 4 5	MES_John-Task Report sent MES_John-TaskArchive_MES_John MES_Bill-LogIn MES Bill-Table "StructureInternalOperations" created	04/05/2020 17:47:47 04/05/2020 18:03:57 04/05/2020 18:08:50 04/05/2020 19:11:28					
2 3 4 5 6	MES_John-TaskAReport sent MES_John-TaskArchive MES_John MES_Bill-Jogin MES_Bill-Table "StructureInternalOperations" created MES_Bill-TavtureInternalOperations" ID "MKS" append	04/05/2020 17:47:47 04/05/2020 18:03:57 04/05/2020 18:08:50 04/05/2020 19:11:28 04/05/2020 19:11:46					
2 3 4 5 6 7	MES_John-TaskReport sent MES_John-TaskArchive MES_John MES_Bill-Table "StructureInternalOperations" created MES_Bill-Table "StructureInternalOperations" ID "MKS" append MES_Bill-Table "StructureInternalOperations" created	04/05/2020 17:47:47 04/05/2020 18:03:57 04/05/2020 18:08:50 04/05/2020 19:11:28 04/05/2020 19:11:46 04/05/2020 19:12:56					
12 13 14 15 16 17	MES_John-Task Report sent MES_John-TaskArchive MES_John MES_Bill-Jogin MES_Bill-Jobie "StructureInternalOperations" created MES_Bill-Table "StructureInternalOperations" ID "MKS" append MES_Bill-Table "StructureInternalOperations" created MES_Bill-Table "StructureInternalOperations" created	04/05/2020 17:47:47 04/05/2020 18:03:57 04/05/2020 18:03:57 04/05/2020 19:11:28 04/05/2020 19:11:46 04/05/2020 19:12:56 04/05/2020 19:13:02					
22 33 4 5 6 7 8 9	MES_John-TaskArchive MES_John MES_Bill-Login MES_Bill-Login MES_Bill-Table "StructureInternalOperations" created MES_Bill-Table "StructureInternalOperations" Created MES_Bill-Table "StructureInternalOperations" created MES_Bill-Table "StructureInternalOperations" created MES_Bill-Table "StructureInternalOperations" created	04/05/2020 17:47:47 04/05/2020 18:03:57 04/05/2020 18:08:50 04/05/2020 19:11:28 04/05/2020 19:11:46 04/05/2020 19:11:46 04/05/2020 19:13:06					
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2 3 4 5 6 7 7 8 9 9 0 1 2	MES_John-Task Report sent MES_John-Task Report sent MES_Bill-Table "StructureInternalOperations" created MES_Bill-Table "StructureInternalOperations" created	04/05/2020 17:47:47 04/05/2020 18:08:50 04/05/2020 18:08:50 04/05/2020 18:11:28 04/05/2020 19:11:28 04/05/2020 19:11:46 04/05/2020 19:13:06 04/05/2020 19:13:29 04/05/2020 19:13:29 04/05/2020 19:14:13					
32 33 34 35 36 37 38 39 40 41	MES_John-Task Report sent MES_John-Task Report sent MES_John-Taskatchive MES_John MES_Bill-Table "StructureInternalOperations" created MES_Bill-Table "StructureInternalOperations" Created	04/05/2020 17:47:47 04/05/2020 18:08:50 04/05/2020 18:08:50 04/05/2020 19:11:28 04/05/2020 19:11:26 04/05/2020 19:11:26 04/05/2020 19:13:26 04/05/2020 19:13:26 04/05/2020 19:13:29 04/05/2020 19:13:29					
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Work: Work Options: Manage Manage Options: Manage User Log Manage User Log: LogUserAll

Check User Log. Find the transaction. Print Tag of transaction made



MES_Bill Report

MES	SQL Connect	
Column	Value	
Transaction ID	243	
Transaction Name	MES_Bill-"StructureVendors" ID "Visa Holder Inc" updated	
Transaction Time	04/05/2020 19:14:31	
Transaction Made By	UserAll	

MES_SQL_Connectivity Report Generation

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Print: Report

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

Return to Program...