



SoftRobot

Codeless Programming Tool

Concepts and Methodology

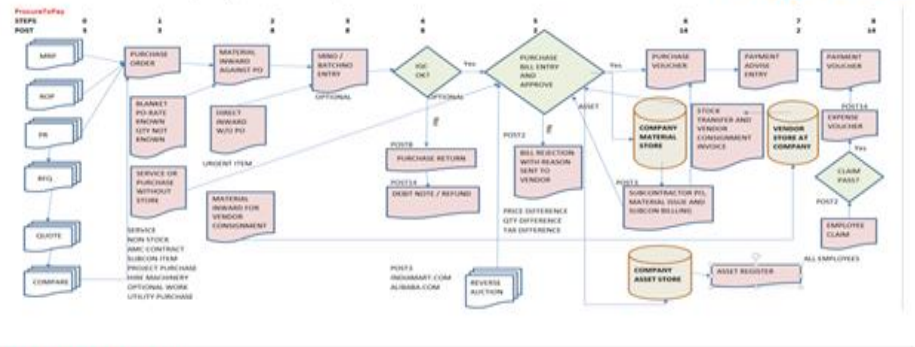
YEAR: 2020

STEP 1: DESIGN BUSINESS PROCESS AND ENTRY IN SOFTROBOT

INPUT

STEP 2: CREATE DOCUMENT STRUCTURE FOR YOUR PROCESS

Procure to Pay Cycle Steps – how users will drive



SCM: PROCURE TO PAY CYCLE

USERS	POST8	POST8	POST2	POST4	POST2	POST4
DEPT	WAREHOUSE	WAREHOUSE	BILL PASSING	ACCOUNTS	PAYMENT APPROV	ACCOUNTS
MIDDLEMASTER	08/17/PRICE S					
SCM	SUPPLIER	PO ORDER	PO PRINT	SERIAL NUMBER ENTRY	QC CHECK	BILL EDIT
	ENTRY	EDIT/ APPROVE	MATERIAL INWARD	RESERVE MATERIAL	MFG ORDER	BILL NO ENTRY
		STORE CHECK	BARCODE SCAN			CHECK PURCHASE ACCOUNT
		QUANTITY CHECK				
		PRICE CHECK				
		DD				
		PROGRESS (M)	15	15	15	15
		LEADTIME	1	2	1	4
		PLAN	08-01-2019	02-01-2019	04-01-2019	05-01-2019
		ACTUAL	02-05-2019			
		DELAY				

MobileERP Edit PROJECTMASTER Page

ProjectmasterID: 1

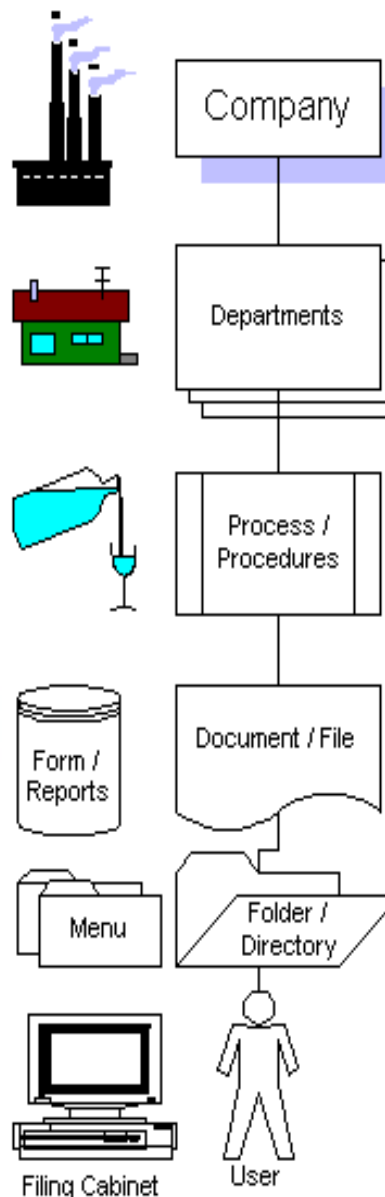
Projectname: POPurchase

Setupid: 0

Projectmasterdate: 10/09/2019

Save Document

PROCESS	TASK	DOC	DAYS	MINS	LOCATION	DATEUD	UNGRD	WORKCENTER	ACCPOLLE	REVIEW	DET	APPROVE	OPHOLD	PROJECT	USERS	PER	YEAR	FILTER
Purchase	PO Edit/Approve/Print/Send	0540	1	1	Office	8	57	1										
Store	PNVOICE award against PO with	0154	7	1	At factory	8	57	1										
QC	SRNO Entry for incoming goods in	0	1	1	At factory	8	57	1										
Bill Passing	QC Incoming Quality Check	0	1	1	At factory	8	57	1										
Accounts	Bill Entry/Edit/Approve/Stock/pos	0590	1	1	At Office	2	57	1										
	Purchase Voucher	0593	1	1	Office	14	57	1										
	Payments Entry	041	1	1	Office	2	57	1										
	Payment Voucher	048	1	1	Office	14	57	1										



SoftRobot Administrator Documents Store

Add New Workflow Add New Master

ProdOrder/IDN Edit

LotTransaction Edit

JobCard_WorkOrder Edit

MLOADING Edit

OverhaulRC Edit

Aircraft Edit

DAILYSHIPTPROD Edit

CAUSECODE Edit

SETTER Edit

ProdOrder/IDN Design

Form Report Dashboard Scoreboard Kanban Alerts ChatBot RPA API

SoftRobot Developer: Create New Application

Step 1: Create Application Step 2: Enter/Edit/Delete Fields Step 3: Refresh Views Step 4: Enter/Edit Links Step 5: Setup UserRights

Step 1: Create Application: Forms, Menus, Reports with Default Tables and Views.

NEW DOCUMENT DESIGN: Document Name: MasterDetails AccPayables

FOLDER/FUNCTION DESIGN: USE OPEN REGISTER TO CREATE/ MODIFY/DELETE DOCUMENT: USE APPROVE REGISTER TO APPROVE/ONHOLD/REJECT DOCUMENT: USE OPHOLD REGISTER TO OPHOLD DOCUMENT: USE CLOSED REGISTER AND PRINT DOCUMENT: USE REJECTED REGISTER AND PRINT DOCUMENT:

Insert your VBscript or JavaScript Client-end scripting code here.

Step 1: Create Document, Folders & Workflow

SoftRobot Administrator Documents Store

Add New Workflow Add New Master

ProdOrder/IDN Edit

LotTransaction Edit

JobCard_WorkOrder Edit

MLOADING Edit

OverhaulRC Edit

Aircraft Edit

DAILYSHIPTPROD Edit

CAUSECODE Edit

SETTER Edit

OPERATOR Edit

SUPERVISOR Edit

DOWNTIME Edit

ProdOrder/IDN Design

Form Report Dashboard Scoreboard Kanban Alerts ChatBot RPA API

1: Design Form

Module 1/App 1/Form 1

FIELD NAME: TEXT PWD TEXTAREA NUMBER DATETIME CHECKBOX

DROPDOWN FILEUPLOAD DRILLDOWN DETAILFORM

Master form

Textbox: Enter text

Drilldown

Password: Enter password

Number: Enter number between 1 to 100

Datetime:

FileUpload: Browse

OUTPUT

1. User Portal
2. Kanban Todo
3. Calendar
4. My Task List
5. Status List
6. Resource Usage
7. Dashboard
8. Alerts/Reports
9. Documents
10. Email Filing
11. Chatbot
12. Searchbot
13. Folder

MobileERP

CRM Offer Industry Sales Purchase Store MFG

🏠
📅
📋
👁️
👤
📦
🔔
📄
✉️
💬
🔍

New
ToDo

I/TCREVERSAL

[Create New and Approve](#)

[Discuss](#)

REVERSE CHARGE PAYMENT

[Create New and Approve](#)

[Discuss](#)

SUPPLIER ADVANCE REFUND

[Create New and Approve](#)

[Discuss](#)

CUSTOMER ADVANCE REFUND

[Create New and Approve](#)

[Discuss](#)

SUPPLIER ADVANCE PAYMENT

[Create New and Approve](#)

[Discuss](#)

CUSTOMER ADVANCE RECEIPT

[Create New and Approve](#)

[Discuss](#)

LOCAL STORE TRANSFER

Action	Customerid	Customername	City
📄	615	MOIL LIMITED	-
📄	614	Chemco Plastic ind. pvt. Ltd. (SANAND)	sanand
📄	613	GUARAT STATE FERTILIZERS & CHEMICALS LIMITED	VADODARA
📄	612	HUNTSMAN INT (INDIA) PVT LTD	Ahmednagar
📄	611	Larsen & Toubro Limited	vadodra
📄	610	Govt of Telangana-TWED	Kamareddy
📄	609	Govt of Telangana-TWED	Kamareddy

DISCUSS
Pending: 0

STANDARD
Daybook or Checklist

ANALYTICS
Trends KPI

REPORTS
Order Analysis

STEPS	1	2	3	4	5	6	7	8	9	10
TASK	Resolve Sales Order Fulfillment Issues	Stock Check / Create DO / PO / MO	Picking and Packing Entry wBarcode	OQC Rejection/DO Approval	Invoice Printing	Transport Delivery Slip Entry	Delivery Approval/Completed	Sales Voucher Check	Collections Entry	Receipt Voucher Entry
LOCATION	Office	Office	At factory	At factory	At factory	At factory	At customer site	Office	Office	Office
USER	POST10	POST3	POST8	POST8	POST8	POST8	POST8	POST14	POST10	POST14

UID	UNAME	EMPLOYEENAME	PREVIOUS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	POST1	Kunal Kamalkar Pednekar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	POST2	Solanki Narendra	0	0	0	2	14	0	0	0	0	0	0	0	0	0	0	0	0	0
3	POST3	Prajesh Mehta	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	POST4	Dineshkumar Gohal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	POST5	Narendra Singh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	POST6	Kalgude Vijay	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	POST7	Patel Mehulkumar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	POST8	Pradeep Jadhav	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	POST9	Patel Rajankumar Kantilal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	POST10	Durgesh Sureshchandra Verma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	POST11	Harish Rawal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	POST12	Hina Shah	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	POST13	Uday Gohil	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	POST14	Dikesh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SALES ORDER	PREVIOUS YEAR	CURRENT YEAR	GROWTH
SOTYPE	0	2485620	2485620
PRODUCT			

Categorywise



100%

Calendar Chart	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1												
2												
3												

Top Performers

- Gulbrandsen Technologies (India) Pvt. Ltd.**
Value: 814200
- Chemco Plastic ind. pvt. Ltd. (SANAND)**
Value: 657260
- INDO AMINES LIMITED-Savli**
Value: 542800

Step 1: Setup your business function in Top Menu

MobileERP CRM Offer Industry Sales Purchase Store MFG HR Finance Masters Boards HelpDesk SoftRobot Alpeshbhai ADMIN

TOPMENU Folder
21 Documents found - Page 1 of 2

Action	Topmenuid	Topmenudate	Industry
Edit Show Discuss	21	03/09/2019	Trading only
Edit Show Discuss	20	26/06/2019	Trading only
Edit Show Discuss	19	18/06/2019 17:46:15	
Edit Show Discuss	18	18/06/2019 17:02:24	
Edit Show Discuss	17	17/05/2019	
Edit Show Discuss	16	27/03/2019	
Edit Show Discuss	15	27/03/2019	Trading only
Edit Show Discuss	14	27/03/2019	Manufacturing
Edit Show Discuss	13	21/01/2019 16:52:50	
Edit Show Discuss	12	21/01/2019 16:52:50	
Edit Show Discuss	11	21/01/2019 16:52:50	
Edit Show Discuss	10	21/01/2019 16:52:50	
Edit Show Discuss	9	21/01/2019 16:52:50	
Edit Show Discuss	8	21/01/2019 16:52:50	
Edit Show Discuss	7	21/01/2019 16:52:50	

- User Management
- User Group
- Top Menu**
- Kanban Flow
- Master Form
- Transaction Form
- Reports
- New SoftRobot
- Old SoftRobot
- Data Correction
- Project Master
- New Rights Master
- Implementation
 - Party
 - HelpDesk
 - Alerts
 - Boards
 - Reports

[Add New](#) [Previous](#) 1 of 2 [Next](#) [Reset](#)

Step 2: Document and define your process linked to Top menu

The screenshot displays the MobileERP software interface. At the top, a navigation bar includes 'MobileERP' and various menu items: CRM, Offer, Industry, Sales, Purchase, Store, MFG, HR, Finance, Masters, Boards, HelpDesk, and SoftRobot. The user is logged in as 'Alpeshbhai' with 'ADMIN' privileges. Below the navigation bar, a breadcrumb trail shows the current path: Order > OA > Service > DA > Dispatch > Challan > Invoice. The main content area is titled 'Installation/Service Sales Apps' and lists several process steps, each with a user role icon and a description:

- Services Executive**: Installation Order Received by Technician
- Stores Manager**: Inventory Issued to Technician
- Services Executive**: Technician Starts the service
- Services Executive**: Technician Completes the service
- Customer Group**: Customer gets Feedback form with OTP to be given to Technician
- Services Executive**: Technician enters OTP and completes the service

Each step includes a link to '/ Fields'. Below the process list, there are links for 'Implementer: Add User / Add User Group' and 'Programmer: Add Master Document / Add Transaction Document / Add New Kanban / Change Kanban / Manage Kanban / Manage Menu'. The Windows taskbar at the bottom shows the search bar, system tray, and various application icons. The system clock indicates 11:00 on 07-01-2020.

Step 3: Setup Final Kanban Process with user & doc rights

MobileERP CRM Offer Industry Sales Purchase Store MFG HR Finance Masters Boards HelpDesk SoftRobot Alpehbhal ADMIN

MobileERP Edit PROJECTMASTER Page View

Projectmasterid: 22 Projectmasterdate: 30/12/2019 Cal

Projectname: Maintenance Help Desk
 Sotypeid: 0 Save Document

CURRENT PAGE NO: 1 TOTAL RECORDS: 12

PROCESS	TASK	DID	DAYS	HRS	LOCATION	USER	MANAGER	WORKCENTER	FADD	FDELETE	FVIEW	FEDIT	FAPPROVE	FONFHOLD	FREJECT	USERFILTER	YEARFILTER	SITEID	PNAME	DUE DAY	PROGRESS	Action
Maintenance	Schedule Client Appointment and	1	1	1	Service Manager	10 POST10	17 POST17	1 CNC	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1		1	10	
	Confirmation by Service Engineer	1	1	1	Service Engineer	0 POST10	17 POST17	1 CNC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1		1	1	
	Budget Allocation and Advance Sa	1	1	1	Service Manager	14 POST14	17 POST17	1 CNC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1		1	1	
	Ticket Released for Execution	1	1	1	Service Engineer	10 POST10	17 POST17	1 CNC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1		1	1	
	Technician Performs Service Call	1	1	1	Service Engineer	0 POST10	17 POST17	1 CNC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1		1	1	
	Resolve Ticket. Enter Parts used c	1	1	1	Service Engineer	0 POST10	17 POST17	1 CNC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1		1	1	
	Client gives online Feedback	1	1	1	Service Engineer	0 POST10	17 POST17	1 CNC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1		1	1	
	Expense Claim and Bill Upload by	1	1	1	Service Engineer	0 POST10	17 POST17	1 CNC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1		1	1	
	Billable? Create invoice & Close Ti	1	1	1	Service Manager	10 POST10	17 POST17	1 CNC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1		1	1	
	Sales Voucher Posting	1	1	1	Accounts Manager	14 POST14	17 POST17	1 CNC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1		1	1	
	Collection Followup and Entry	1	1	1	Service Manager	10 POST10	17 POST17	1 CNC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1		1	1	
	Receipt Voucher Entry	1	1	1	Accounts Manager	14 POST14	17 POST17	1 CNC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1		1	1	
		1	1	1		0 POST10	0 POST10	NONE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1		1	1	Ad

Grand Total: 0

STEP 4: Identify Module and Process under which you will group your documents



SoftRobot

Administrator

Modules Store

Add New Module

Production Mgmt

Customer Mgmt

Supplier Mgmt

Finance Mgmt

Employee Mgmt

UserMgmt

QC.Mgmt

Masters Mgmt

Application Mgmt

Reports Mgmt

Portals Mgmt



App Store

Customer Mgmt



Step 5: Create Startup and other Forms >> follow 5 steps

MobileERP CRM ▾ Offer ▾ Industry ▾ Sales ▾ Purchase ▾ Store ▾ MFG ▾ HR ▾ Finance ▾ Masters ▾ Boards ▾ HelpDesk ▾ SoftRobot ▾

Toolbox

Select Form Types

- Master Only Form
- MasterDetail Form
- Details Sub Form
- Single Master Multi Detail
- Single Master Multi Folder
- Manually coded Form

What is form?
A form is a computer document where you can enter data with help of keyboard or mouse or touchscreen. [Show sample screen.](#)

What is Master only form?
A master only form is a form where there is only one record going in one table. [Show sample screen.](#)

What is Master/detail form?
A master detail form is a form where there is one master record and multiple details record. Normally these type of forms has multiple tables linked via primary keys. [Show sample screen.](#)

What is Subform?
A Subform is a form within details part of form. It is like one master then detail then details detail data entered there. [Show sample screen.](#)

What is Single Master Multiple Details form?
A Single Master Multiple details form is a type of form which has multiple forms attached to master form via tabs. You need to create many forms with similar primary key IDs to connect it before making this form. [Show sample screen.](#)

What is Single Master Multiple Folders form?
A Single Master Multiple Folder form is a type of form which has multiple folders or lists attached to master form via tabs. You need to create many forms with similar primary key IDs to connect it before making this form. [Show sample screen.](#)

SoftRobot Developer: Create New Application

Step 1: Create Application Step 2: Enter/Edit/Delete Fields Step 3: Refresh Views Step 4: Enter/Edit Links

Step 1: Create Application: Forms, Menus, Reports with Default Tables and Views.

NEW DOCUMENT DESIGN:
Document Name: Master/Details:

FOLDER/FUNCTION DESIGN:
USE OPEN REGISTER TO CREATE/MODIFY/DELETE DOCUMENT:
USE APPROVE REGISTER TO APPROVE/ONHOLD/REJECT DOCUMENT:
USE ONHOLD REGISTER TO OFFHOLD DOCUMENT:
USE CLOSED REGISTER AND PRINT DOCUMENT:
USE REJECTED REGISTER AND PRINT DOCUMENT:

Submodule/Process: **Services/Support**

Users and Workflow:
ADMIN ▾
ADMIN ▾ 1
ADMIN ▾
ADMIN ▾
ADMIN ▾

Step 1: Create Document, Folders & Workflow

User Management ADMIN ▾
User Group
Top Menu
Kanban Flow
Master Form
Transaction Form
Reports
New SoftRobot
Old SoftRobot
Data Correction
Project Master
New Rights Master
Implementation

Step 6: Give User Right to Startup form

MobileERP CRM Offer Industry Sales Purchase Store MFG HR Finance Masters Boards HelpDesk SoftRobot Alpeshbhai ADMIN

MobileERP Edit NEWRIGHTS Page

SELECT * FROM NEWRIGHTSDET WHERE NEWRIGHTSDETID=109

NewrightsId: 2 Newrightsdate: 19/09/2019 Cal

User: 10 Durgesh Surshankar Vema

CURRENT PAGE NO: 1 --> || 1 TOTAL RECORDS

DOCUMENT	Action
5635 SALES ORDER	Delete
5532 SERVICECONTRACT	Delete
922 Inquiry Entry	Delete
5734 TICKET	Delete
6216 REBERCONTRACT	Delete
6217 GENERATETICKET	Delete
5680 PROJECT INVOICE	Delete
5585 SALES INVOICE	Delete
5675 Project	Delete
2132 Tender Leads/Prospect	Delete
6344 TKT	Delete
0	Add New

Grand Total: 0

User Management View

- User Group
- Top Menu
- Kanban Flow
- Master Form
- Transaction Form Save Document
- Reports
- New SoftRobot
- Old SoftRobot
- Data Correction
- Project Master
- New Rights Master
- Implementation

MobileERP PARAMOUNT LIMITED

New

- Discuss
- GENERATETICKET
Create New and Approve
Discuss
- PROJECT INVOICE
Create New and Approve
Discuss
- SALES INVOICE
Create New and Approve
Discuss
- Project
Create New and Approve
Discuss
- Tender Leads/Prospects
Create New and Approve
Discuss
- TKT
Create New and Approve
Discuss
- End
- 0

ToDo

- 26.Collections Entry when payments received
SHUBHALAKSHMI POLYESTERS LIMITED-DAHEJ UNIT
Plan: 1 Days 1 Hrs
Start: 29/11/2019 17:24:55
Delay: 39 days-Next
- 1.Originator Receives Acceptance or Rework
A-1 Ice Factory
Proj:PROJ6868687687-Rev:1
Process Equipment Data Sheets
Plan: 1 Days 1 Hrs
Start: 06/01/2020 16:32:21
Delay: 1 days-Next
- 1.IDC Check
A-1 Ice Factory
Proj:PROJ6868687687-Rev:1
Piping & Instrumentation Diagrams
Plan: 1 Days 1 Hrs
Start: 03/01/2020 12:56:03
Delay: 4 days-Next

Navigation icons: Home, Calendar, Lists, Eye, User, Boxes, Bell, Document, Envelope, Chat, Search

Step 7: Add Pkey field in ERPPROJECT Table

The screenshot displays the Microsoft SQL Server Enterprise Manager interface. The main window shows the 'Object Explorer Details' for the 'dbo.ERPPROJECT' table. The table structure is as follows:

Column Name	Data Type	Allow Nulls
STARTDATE	datetime	<input checked="" type="checkbox"/>
UID	int	<input checked="" type="checkbox"/>
SITEID	int	<input checked="" type="checkbox"/>
CALENDERID	int	<input checked="" type="checkbox"/>
PROJECTMASTERID	int	<input checked="" type="checkbox"/>
MONTHLYWORKGENERATORID	int	<input checked="" type="checkbox"/>
INQUIRYID	int	<input checked="" type="checkbox"/>
SERVICECONTRACTID	int	<input checked="" type="checkbox"/>
TICKETID	int	<input checked="" type="checkbox"/>
OPPORTUNITYID	int	<input checked="" type="checkbox"/>
LEADSID	int	<input checked="" type="checkbox"/>
PRICEBIDID	int	<input checked="" type="checkbox"/>
ECNID	int	<input checked="" type="checkbox"/>
CONTACTID	int	<input checked="" type="checkbox"/>
PROJECTID	int	<input checked="" type="checkbox"/>
PROJECTDETID	int	<input checked="" type="checkbox"/>
REVISIONID	int	<input checked="" type="checkbox"/>
TKTID	int	<input checked="" type="checkbox"/>
		<input type="checkbox"/>

A blue arrow points from the text 'TKTID' to the 'TKTID' row in the table structure. Below the table structure, the 'Column Properties' window is open, showing the following details for the 'APPROVE' column:

Property	Value
(Name)	APPROVE
Allow Nulls	No
Data Type	bit
Default Value or Binding	((0))

The 'Table Designer' tab is also visible, showing the 'Collation' property set to '<database>.defaults'. The status bar at the bottom right indicates the system language is 'ENG', the time is '11:35 AM', and the date is 'Tuesday 1/7/2020'.

Step 8: Modify Trigger in ERPPROJECT Table

The screenshot displays the Microsoft SQL Server Management Studio (SSMS) interface. The main window shows a SQL query being executed in the 'SQLQuery9.sql' window. The query is designed to modify a trigger in the 'ERPPROJECT' table. It starts with two DECLARE statements for variables @TKTID and @ID. The main logic consists of several IF blocks, each corresponding to a different order type: LEADS, SORDER, PORDER, MFGORDER, GENID, SCID, and TICKETID. Each IF block contains an INSERT INTO statement for the ERPPROJECTDET table, followed by a SELECT statement that retrieves data from the ERPPROJECT table and the PERTCPM table. The query is currently paused at the first IF block. The Object Explorer on the left shows the database structure, including the 'ERPPROJECT' table and its associated triggers. The taskbar on the right has three numbered callouts: 1 points to the Object Explorer, 2 points to the SQL query, and 3 points to the Windows taskbar.

```
DECLARE @TKTID INT;
DECLARE @ID INT;

SELECT @ID=Inserted.ERPPROJECTID FROM Inserted;
SELECT @TKTID=TKTID, @PROJECTDETID=PROJECTDETID, @PROJECTID=PROJECTID, @OPPORTUNITYID=OPPORTUNITYID, @LEADSID=LEADSID, @INQUIRYID=INQUIRYID, @PRICEBIDID=PRICEBIDID, @SORDERID=SORDERID, @PORDERID=PORDERID, @MFGORDERID=MFGORDERID, @GENID=GENID, @SCID=SCID, @TICKETID=TICKETID;
--PRINT @LEADSID
IF (@SOTYPEID>0 AND @SORDERID>0)
BEGIN
INSERT INTO ERPPROJECTDET (ERPPROJECTID, PROCESS, TASK, DID, DAYS, HRS, LOCATION, DATAUID, MNGRID, WORKCENTERID, PROJECTMASTERDETID) SELECT @ID, PROCESS, TASK,
---SELECT TASKID, TASK, STARTDATE, DYS, SUM (DYS) OVER (ORDER BY TASKID) AS DURATION, STATUSID, PREVID, RESOURCE, SORDERID FROM PERTCPM WHERE SORDERID=@SORDERID
END
IF (@PORDERID>0)
BEGIN
INSERT INTO ERPPROJECTDET (ERPPROJECTID, PROCESS, TASK, DID, DAYS, HRS, LOCATION, DATAUID, MNGRID, WORKCENTERID, PROJECTMASTERDETID) SELECT @ID, PROCESS, TASK,
---SELECT TASKID, TASK, STARTDATE, DYS, SUM (DYS) OVER (ORDER BY TASKID) AS DURATION, STATUSID, PREVID, RESOURCE, SORDERID FROM PERTCPM WHERE PORDERID=@PORDERID
END
IF (@MFGORDERID>0)
BEGIN
INSERT INTO ERPPROJECTDET (ERPPROJECTID, PROCESS, TASK, DID, DAYS, HRS, LOCATION, DATAUID, MNGRID, WORKCENTERID, PROJECTMASTERDETID) SELECT @ID, PROCESS, TASK,
---SELECT TASKID, TASK, STARTDATE, DYS, SUM (DYS) OVER (ORDER BY TASKID) AS DURATION, STATUSID, PREVID, RESOURCE, SORDERID FROM PERTCPM WHERE MFGORDERID=@MFGORDERID
END
IF (@GENID=9)
BEGIN
INSERT INTO ERPPROJECTDET (ERPPROJECTID, PROCESS, TASK, DID, DAYS, HRS, LOCATION, DATAUID, MNGRID, WORKCENTERID, PROJECTMASTERDETID) SELECT @ID, PROCESS, TASK,
---SELECT TASKID, TASK, STARTDATE, DYS, SUM (DYS) OVER (ORDER BY TASKID) AS DURATION, STATUSID, PREVID, RESOURCE, SORDERID FROM PERTCPM WHERE MONTHLYWORKGENERAT
END
IF (@SCID>0)
BEGIN
INSERT INTO ERPPROJECTDET (ERPPROJECTID, PROCESS, TASK, DID, DAYS, HRS, LOCATION, DATAUID, MNGRID, WORKCENTERID, PROJECTMASTERDETID) SELECT @ID, PROCESS, TASK,
---SELECT TASKID, TASK, STARTDATE, DYS, SUM (DYS) OVER (ORDER BY TASKID) AS DURATION, STATUSID, PREVID, RESOURCE, SORDERID FROM PERTCPM WHERE SERVICECONTRACTID=
END
IF (@TKTID>0)
BEGIN
INSERT INTO ERPPROJECTDET (ERPPROJECTID, PROCESS, TASK, DID, DAYS, HRS, LOCATION, DATAUID, MNGRID, WORKCENTERID, PROJECTMASTERDETID) SELECT @ID, PROCESS, TASK,
---SELECT TASKID, TASK, STARTDATE, DYS, SUM (DYS) OVER (ORDER BY TASKID) AS DURATION, STATUSID, PREVID, RESOURCE, SORDERID FROM PERTCPM WHERE TICKETID=@TKTID
END
IF (@TICKETID>0)
BEGIN
INSERT INTO ERPPROJECTDET (ERPPROJECTID, PROCESS, TASK, DID, DAYS, HRS, LOCATION, DATAUID, MNGRID, WORKCENTERID, PROJECTMASTERDETID) SELECT @ID, PROCESS, TASK,
```

Step 9: Add Pkey field in TODORIGHTS View

The screenshot displays the Microsoft SQL Server Management Studio interface. The main window shows a database diagram with several tables: ERPPROJECT, ERPPROJECTDET, DOCUMENT..., PROJECTMASTER..., CONTACT, SUPPLIER, and CUSTOMER. The ERPPROJECT table is highlighted with a blue arrow pointing to the TKTID field, which is labeled "TKTID". The ERPPROJECTDET table is also highlighted. The diagram shows relationships between these tables, including a one-to-many relationship between ERPPROJECT and ERPPROJECTDET, and a many-to-many relationship between ERPPROJECTDET and DOCUMENT....

The Object Explorer on the left shows the database structure for WWW (SQL Server 12.0.2000 - WWW). The Object Explorer Details pane on the right shows the columns for the selected table, ERPPROJECT. The columns listed are: TKTID, OPPORTUNITYID, LEADSID, PRICEBIDID, ECNID, CONTACTID, PROJECTID, REVISIONID, and TKTID. The TKTID column is highlighted.

The bottom pane shows a table view for the ERPPROJECT table. The columns are: Column, Alias, Table, Output, Sort Type, and Sort Order. The data rows are:

Column	Alias	Table	Output	Sort Type	Sort Order
ERPPROJECTID		ERPPROJECT	<input checked="" type="checkbox"/>		
SOTYPEID	TYPEID	ERPPROJECT	<input checked="" type="checkbox"/>		

Step 10: Add Pkey field in PERTCPM View

The screenshot shows the Microsoft SQL Server Management Studio interface. The main window displays the definition of the PERTCPM view. The view includes columns from three tables: ERPPROJECT, ERPPROJECTDET, and USERS. The ERPPROJECTDET table is highlighted in the Object Explorer.

Column	Alias	Table	Output	Sort Type	Sort Order	Group By	Filter	Or...	Or...
ERPPROJECTDETID	TASKID	ERPPROJECTDET	<input checked="" type="checkbox"/>			Group By			
TASK		ERPPROJECTDET	<input checked="" type="checkbox"/>			Group By			
STARTDATE		ERPPROJECT	<input checked="" type="checkbox"/>			Group By			
DAYS	DYS	ERPPROJECTDET	<input checked="" type="checkbox"/>			Group By			
STATUSID		ERPPROJECTDET	<input checked="" type="checkbox"/>			Group By			

```
SELECT  dbo.ERPPROJECTDET.ERPPROJECTDETID AS TASKID, dbo.ERPPROJECTDET.TASK, dbo.ERPPROJECT.STARTDATE, dbo.ERPPROJECTDET.DAYS AS DYS, dbo.ERPPROJECTDET.STATUSID, dbo.ERPPROJECTDET.PREVID,
        dbo.ERPPROJECT.SORDERID, dbo.ERPPROJECTDET.PLANSTART, dbo.ERPPROJECTDET.PLANEND, dbo.ERPPROJECT.PORDERID, dbo.ERPPROJECT.PINVOICEID, dbo.ERPPROJECT.MFGORDERID, dbo.ERPPROJECT.JOB
```

Step 11: Create Trigger in Newly created Table TKT

The screenshot displays the Microsoft SQL Server Management Studio (SSMS) interface. The main window shows a SQL query script for creating a trigger. The script is as follows:

```
USE [EPC]
GO
/***** Object: Trigger [dbo].[ONAPPROVETKT]    Script Date: 1/7/2020 12:07:59 PM *****/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
ALTER TRIGGER [dbo].[ONAPPROVETKT] ON [dbo].[TKT]
AFTER UPDATE
AS
IF Update(APPROVE)
BEGIN
    DECLARE @ID INT;
    DECLARE @CID INT;
    DECLARE @DETID INT;
    DECLARE @UID INT;
    DECLARE @DATAUID INT;
    DECLARE @SITEID INT;
    DECLARE @DOCNO CHAR(200);
    DECLARE @PREVID INT;
    DECLARE @STDT datetime;
    DECLARE @ENDT datetime;
    DECLARE @D INT;
    DECLARE @DYS INT;
    DECLARE @SDT datetime;
    SELECT @ID=Inserted.TKTID FROM Inserted;

    SELECT @CID=CALENDERID, @UID=UID, @SITEID=SITEID, @DATAUID=ISSUEUID, @STDT=STARTDATE, @ENDT=ENDDATE FROM TKT WHERE TKTID=@ID
    --SELECT @EID=EMPLOYEEID FROM TICKETDET WHERE TICKETID=@ID
    --SELECT @DATAUID=UID FROM USERS WHERE EMPLOYEEID=@EID

    INSERT INTO ERPPROJECT (TKTID, CALENDERID, UID, SITEID, PROJECTMASTERID) VALUES (@ID, @CID, @UID, @SITEID, 10)

    SELECT @DETID=ERPPROJECTID FROM ERPPROJECT WHERE TKTID=@ID
    UPDATE ERPPROJECTDET SET STATUSID=1, PLANSTART=@STDT, PLANEND=@ENDT, DATAUID=@DATAUID WHERE ERPPROJECTID=@DETID

END;
```

The Object Explorer on the left shows the database structure for 'WWW (SQL Server 12.0.2000)'. The 'EPC' database is expanded, showing 'Tables (filtered)' with 'dbo.TKT' selected. The 'Triggers' folder under 'dbo.TKT' is also visible, showing the 'ONAPPROVETKT' trigger.

The status bar at the bottom indicates the connection is successful: 'Connected. (1/1)'. The current window title is 'SQLQuery14.sql - WWW.EPC (WWW\Administrator (63))* - Microsoft SQL Server Management Studio (Administrator)'. The status bar also shows 'WWW (12.0 RTM) | WWW\Administrator (63) | EPC | 00:00:00 | 0 rows' and the current cursor position is 'Ln 21 | Col 5 | Ch 2 | INS'.

Step 12: Modify ebuilder/ecommm/todo.asp file

```
216 '-----todo
217 STATUS=1
218 SQL="SELECT top "&TOPID&" * FROM TODORIGHTS WHERE DATAUID="&UID&" AND STATUSID="&STATUS
219 Set rs=Server.CreateObject("ADODB.Recordset")
220 rs.Open SQL , Conn
221 WHILE Not rs.EOF
222 CNAME=rs("CUSTOMERNAME"):IF ISNULL(CNAME) OR CNAME="" THEN CNAME=""
223 SNAME=rs("SUPPLIERNAME"):IF ISNULL(SNAME) OR SNAME="" THEN SNAME=""
224 PNAME=rs("COMPANYNAME"):IF ISNULL(PNAME) OR PNAME="" THEN PNAME=""
225 IF CNAME<>"" THEN PARTYNAME=CNAME
226 IF SNAME<>"" THEN PARTYNAME=SNAME
227 IF PNAME<>"" THEN PARTYNAME=PNAME
228 SORDERID=rs("DOCID")
229 MFGORDERID=rs("MFGORDERID")
230 PORDERID=rs("PORDERID")
231 PINVOICEID=rs("PINVOICEID")
232 JOBSID=rs("JOBSID")
233 MONTHLYWORKGENERATORID=rs("MONTHLYWORKGENERATORID")
234 SERVICECONTRACTID=rs("SERVICECONTRACTID")
235 TICKETID=rs("TICKETID")
236 OPPORTUNITYID=rs("OPPORTUNITYID")
237 ECNID=rs("ECNID")
238 LEADSID=rs("LEADSID")
239 INQUIRYID=rs("INQUIRYID")
240 PRICEBIDID=rs("PRICEBIDID")
241 LEADSID=rs("LEADSID")
242 PROJECTID=rs("PROJECTID")
243 'PRID=rs("PRID")
244 PROJECTDETID=rs("PROJECTDETID")
245 REVISIONID=rs("REVISIONID")
246 'IF PRID>0 THEN ID=PRID
247 TKTID=rs("TKTID")
248 IF TKTID>0 THEN ID=TKTID
249 IF PROJECTDETID>0 THEN ID=PROJECTDETID
250 IF REVISIONID>0 THEN ID=REVISIONID
251 IF PROJECTID>0 THEN ID=PROJECTID
252 IF LEADSID>0 THEN ID=LEADSID
253 IF SORDERID>0 THEN ID=SORDERID
254 IF MFGORDERID>0 THEN ID=MFGORDERID
255 IF PORDERID>0 THEN ID=PORDERID
256 IF PINVOICEID>0 THEN ID=PINVOICEID
257 IF JOBSID>0 THEN ID=JOBSID
258 IF MONTHLYWORKGENERATORID>0 THEN ID=MONTHLYWORKGENERATORID
```

TKTID=rs("TKTID")

IF TKTID>0 THEN ID=TKTID

In all 3 STATUSIDs

Active Server Pages script file length : 20,819 lines : 583 Ln : 247 Col : 1 Sel : 42 | 2 Unix (LF) UTF-8 INS

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