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| Page Flow - Walkthrough |
|  |
| Technology Group iInterchange Systems Pvt. Ltd. |

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1. **Introduction**

Purpose

This document gives an overview of how to make a workflow page.

Scope

The scope of this document shall be applicable for Web Applications. The Database used will be atstech. The Module taken for example is “Leave” and the workflow transaction is “Leave”, “Leave approval”, and “Leave Complete”.

Definitions, Acronyms and Abbreviations

The acronyms and definitions used in this document are given below.

|  |  |
| --- | --- |
| WF | Work Flow |
| Product | Product also stands for Project |
| Tech Group | Technology Group |
| TL | Team Leader |
| VS | Visual Studio 2008 |

1. **Technology**

The following table lists the technology to be used in here.

|  |  |
| --- | --- |
| Development OS | Windows XP |
| Deployment OS | Windows Server 2003 or above |
| IIS | IIS 7.0 |
| .NET Framework | 3.5 |
| IDE | Visual Studio 2008 |
| Database | SQL Server 2005 |
| VSS | Visual Source Safe 2005 |

1. **Creating a Workflow Page :**

It comprises of following Steps,

**Leave**

1. To Create Leave Page using Code Generator.
2. To Create Design and Code behind of Leave.
3. Create Business Logic and Data Logics Leave, Leaves, LeaveData using Code Generator.

**Leave Approval**

1. To Create Leave Approval Page Design using Code Generator.
2. To Create Design and Code behind of Leave Approval.
3. To Create Business Logic and Data Logics Leave Approval, Leave Approvals, Leave Approval Data using Code Generator.

**Leave Complete**

1. To Create Leave Complete Page Design using Code Generator.
2. To Create Design and Code behind of Leave Complete.
3. To Create Business Logic and Data Logics Leave Complete, Leave Completes, Leave Complete Data using Code Generator.

3.1. To Create Leave Page using Code Generator

1. Open the **ATS Project** Find the Location ‘E:\iInterchange\ATS\ATSUI\Process’ Location.
2. Inside the Process add New **Webpage**  from the add New item, Rename the Default.aspx page as Leave.aspx
3. Open the **Code Generator**. Choose the Database server “iicdb\sql2005”
4. In the code generator, Add the Namespace **“ATS”** and choose the Database **“atstech”**
5. Check the table Leave on the tables Panel. Same time choose the table Leave from the Selected Tables Dropdown List
6. See them columns of table Leave is automatically displayed on Column panel.
7. Check the Column Leave ID as true, for Primary key column.
8. Click the button Create under the Columns Panel.
9. It automatically Generate the methods named GetLeaveByLeaveID, GetLeave, CreateLeave, UpdateLeave and DeleteLeave methods.
10. Use the To check all Button, and Remove DeleteLeave method.
11. Fine, Note the Name of files Data File Name is LeaveData, DA (data access) File Name is Leaves, BL (business Logic) File Name is Leave, and XSD File Name is LeaveDataSet.
12. Choose the Architecture of ATS as N-Tier
13. Check the Transaction method checkbox as true.
14. Click the Business Logic, Data Access, Data Layer, Schema Button for Leave Pages of Business Logic (Leave.vb), Data Logic (Access and Data) files of Leaves and LeaveData save them at some Location (Leave) Folder.
15. Choose the page Button at the Top of the Code Generator.
16. Similarly ( step 5 ) choose the Leave Table from the Tables panel
17. Make the Modification of Leave Columns as Depends on the need of Page.
18. Remove the columns LeaveID, Leave No, Created by, Created Date, Modified By, Modified Date, Revflag, Leavestatus, Leaveformpath and Edit Lock also.
19. Change the Type of Leave ID as Type of Leave the Numeric text box control is changed into the iLookup control.
20. Choose the Column Control Type, Required, Validation, and Visibility as you need.
21. Here the Check boxes Create Header Page or Detail Page used for separate the page using values as Controls on Normal page / used by iGrid.
22. Choose the Project name ATS on select project list
23. Click the button Aspx File, CodeBehind File, Javascript File, and finally click Save to Desktop.
24. The files need to create a Leave Page is Created on the Desktop.
25. Make sure that all the files related to create a page is right.
26. Aspx design, codebehind, javascript, BusinessLogic, DataAcess, DataSet and Data.

3.2. To Create Design and Code behind of Leave

1. Open the ATS solution.
2. Add the Default Aspx pages and Code behind vb file inside the “E:\iInterchange\ATS\ATSUI\Script\Process” created Leave page.
3. Similarly Add the JavaScript file inside the “E:\iInterchange\ATS\ATSUI\Script\Process”
4. In this added page Design the Leave ID , create a Label for Leave No, That is generated automatically at Leave is Created by the user.
5. Employee\_name and Department\_name that get from the **getUserData** class on the time of Action pane load event Occurs

The leave from and leave to is date controls has no changed.

Create a Method that find the Number of Leave ( From date - To date )

1. Reason for leave is Multiline Text that also no changed.
2. Add a iFrame control for Form upload

<iframe id="fmLeaveFormUpload" frameborder="0" width="0" height="0" name="fmLeaveFormUpload" src="LeaveFormUpload.aspx"></iframe>

1. For Leave form File upload.
2. Made the custom validations in javascript for Leave Form Validation for casual Leave validate from date and validate to day from the current date. And calculate the total numbers of date.

//Funtion to get differnce between two days

function fnGetTotalNoOfDays(){

}

1. Change the script and corresponding callback for Employee name, Department
2. Remove values sending, it get by page itself.
3. Pass the leaveno that generated auto matically at Leave create time the value in label is send to update method for confirm the change by leave id.
4. Pass leave no to update method call of javascript and callback.
5. Save the changes in page, script, and code behind.
6. Pass the modified date and modified by parameter to create, update leave methods

Dim dr As DataRow = pub\_GetUserData()

Dim bv\_ModifiedDate As String = pub\_GetDate()

Dim intDepartment As Integer = dr.Item(UserDetailData.DEPARTMENTID)

Dim strDepartment As String = dr.Item(UserDetailData.DEPARTMENTCODE)

Dim bv\_ModifiedBy As String = pub\_GetUserName()

Dim strLeaveFormPath As String = pub\_RetrieveData("LeaveFormPath")

16. The createLeave method call from the code behind is call the Business Logic.

3.3. To Create Business Logic and Data Logics Leave, Leaves, LeaveData.

1. Add a new .vb file using Add new item at the location of ATS project **“** E:\iInterchange\ATS\Business Logics\Business.Process\**”**.
2. Name the file Leave then copy the content of Leave create by Business Logic from the code generator
3. Workflow pages using transaction that made create records on two class namely Access of Leave Leaves.vb and workflow for PQ\_Leave record.
4. Inside the create method of Leave on Leave.vb change the method

The code generator only invoke the Data access class, we need create a transaction

1. Here we need to create workflow object for workflow class

Dim objWF As New workflowfn(bv\_strWFDATA)

1. Create the Transaction object also

Dim objtrans As New Transactions

Dim objWFT As New WFTransactions

1. Create object for Leaves

Dim objLeave As New Leaves

1. Invoke the create Leave method

pub\_ModifyLeave=objLeave.CreateLeaveWithRevision(bv\_LeaveNo, bv\_EmployeeName,bv\_Department, \_ bv\_TypeofLeaveID, bv\_LeaveFrom, bv\_LeaveTo, bv\_NoofDays, \_ bv\_ReasonforLeave, bv\_ModifiedBy, bv\_ModifiedDate, \_ bv\_RevFlag, bv\_Leavestatus, bv\_EditLock, bv\_Activate, \_ bv\_Alert, bv\_strLeaveFormPath, **objtrans**)

1. Get the procedure parameter from the work flow

dtParam = objWF.getProcedureParameter()

1. Add parameter as a row and invoke the method create pending record

drParam = dtParam.NewRow drParam.Item(LeaveData.LEAVENO) = bv\_LeaveNo drParam.Item(LeaveData.EMPLOYEENAME) = bv\_EmployeeName drParam.Item(LeaveData.DEPARTMENT) = bv\_DepartmentCode drParam.Item(LeaveData.LEAVEFROM) = bv\_LeaveFrom drParam.Item(LeaveData.LEAVETO) = bv\_LeaveTo drParam.Item(LeaveData.MODIFIEDBY) = bv\_ModifiedBy drParam.Item(LeaveData.TYPEOFLEAVE) = bv\_TypeofLeaveCode drParam.Item(LeaveData.REASONFORLEAVE) = bv\_ReasonforLeave drParam.Item(LeaveData.NOOFDAYS) = bv\_NoofDays drParam.Item("ReportingTo") = bv\_ReportingTo dtParam.Rows.Add(drParam)

objWF.CreatePendingRecords(dtParam, **objWFT**) objtrans.commit()

bjWFT.commit()

1. Similarly fallow the workflow modification in update method also.
2. Add a new .vb file using Add new item at the location of ATS project“E:\iInterchange\ATS\Data Logics\DataAccess\Process\”.
3. Name the file Leaves then copy the content of Leaves create by Business Logic from the code generator
4. Change the methods create and modify with transaction parameters
5. The transaction object inside the create method is used for made change with revision flag also.

Common.UpdateRevision(LeaveData.\_LEAVE,LeaveData.LEAVENO, bv\_strLeaveNo, br\_objTrans)

objData.InsertRow(dr, insQry, br\_objTrans)

1. The purpose to make use of revision flag is maintained by the transaction object using revision change.
2. Add a new .vb file using Add new item at the location of ATS project“E:\iInterchange\ATS\Data Logics\Data\Process\”.
3. Name the file LeaveData then copy the content of LeaveData create by Business Logic from the code generator
4. Save the files Leave.aspx, Leave.vb (business), Leaves (Data access) and LeaveData (Data)
5. Build the Business Process solution.
6. Build the page.

3.4. To Create Leave Approval Page Design using Code Generator.

1. Open the **ATS Project** Find the Location ‘E: \iInterchange\ATS\ATSUI\Process’ Location.
2. Inside the Process add New **Webpage**  from the add New item, Rename the Default.aspx page as LeaveApproval.aspx
3. Open the **Code Generator**. Choose the Database server “iicdb\sql2005”
4. In the code generator, Add the Namespace **“ATS”** and choose the Database **“atstech”**
5. Check the table LeaveApproval on the tables Panel. Same time choose the table LeaveApproval from the Selected Tables Dropdown List
6. See them columns of table Leave is automatically displayed on Column panel.
7. Check the Column LeaveApprovalID as true, for Primary key column.
8. Click the button Create under the Columns Panel.
9. It automatically Generate the methods named GetLeaveApprovalByLeaveApprovalID, GetLeaveApproval, CreateLeaveApproval, UpdateLeaveApproval and DeleteLeaveApproval methods.
10. Set check true on To check all, and Remove DeleteLeaveApproval method.
11. Fine, Note the Name of files Data File Name is LeaveApprovalData, DA (data access) File Name is LeaveApprovals, BL (business Logic) File Name is LeaveApproval, and XSD File Name is LeaveApprovalDataSet.
12. Choose the Architecture of ATS as N-Tier.
13. Check the Transaction method checkbox as true.
14. Click the Business Logic, Data Access, Data Layer, and Schema Button for Leave Pages of Business Logic (LeaveApproval.vb), Data Logic (Access and Data) files of LeaveApprovals and LeaveApprovalData save them at some Location (LeaveApproval) Folder.
15. Choose the page Button at the Top of the Code Generator.
16. Similarly ( step 5 ) choose the Leave Table from the Tables panel
17. Make the Modification of Leave Columns as Depends on the need of Page.
18. Remove the LeaveApprovalID, LeaveApprovalNo, LeaveNo, ModifiedBy, and ModifiedDate.
19. Change the Control type LeaveStatus as Lookup and Reporting To as Lookup
20. Change the Fields LeaveNo, LeaveApproval No, Employee Name, Department, Type of Leave, Reason for Leave, and Leave From, Leave To, No of Days as Read as Labels.
21. Choose the Column Control Type, Required, Validation, and Visibility as you need.
22. Here the Check boxes Create Header Page or Detail Page used for separate the page using values as Controls on Normal page / used by iGrid.
23. Choose the Project name ATS on select project list
24. Click the button Aspx File, CodeBehind File, Javascript File, and finally click Save to Desktop.
25. The files need to create a Leave Page is Created on the Desktop.
26. Make sure that all the files related to create a page is right.
27. Aspx design, codebehind, javascript, BusinessLogic, DataAcess, DataSet and Data.

**3.5. To Create Design and Code behind of LeaveApproval**

1. Open the ATS solution.
2. Add the new LeaveApproval.Aspx pages and Code behind vb file inside the “E:\iInterchange\ATS\ATSUI\Script\Process”
3. Similarly Add the JavaScript LeaveApproval.js file inside the “E:\iInterchange\ATS\ATSUI\Script\Process”
4. Make sure the Change of Status, is Leave Approved or Leave Rejected.
5. If Leave is Not Completed its assigned to another user.
6. Finaly is Approved and Goes to Completed.

The lookup control Reporting To is using the Filter Function. Apply the client Filter condition on the LeaveApproval.js file.

function ReportingToFilter()

{

}

Make the another custom validation , Clear and Lock Reporting to Lookup when Leave Complete Chk box is clicked

function fnValLeaveComplete(chk) {

}

Access the values from the label Content. For insert and update script callback.

vcCallback.add("Department", el("lblDepartment").innerText);

1. Assign the Values to Controls at the time of Action Pane Load call the Get Data Method.

dsLeaveApproval = objLeaveApproval.pub\_GetLeaveDetailsByLeaveNo(intNo)

If dsLeaveApproval.Tables(LeaveApprovalData.\_V\_LEAVEDETAIL).Rows.Count > 0 Then

With dsLeaveApproval.Tables(LeaveApprovalData.\_V\_LEAVEDETAIL).Rows(0)

StrValuepassed.Append(CommonWeb.GetLabelValuesJSO(lblLeaveNo, .Item(LeaveApprovalData.LEAVENO)))

StrValuepassed.Append(CommonWeb.GetLabelValuesJSO(lblEmployeeName, .Item(LeaveApprovalData.EMPLOYEENAME)))

StrValuepassed.Append(CommonWeb.GetLabelValuesJSO(lblDepartment, .Item(LeaveApprovalData.DEPARTMENT)))

// . . . .

End With

1. The values Loaded from the Pending and My Submit of the each Assigned Users.

Call insert Leave Approval method and assigned value Modified By and Modified Date from the pub\_GetUserName, and pub\_GetDate methods.

Dim bv\_ModifiedDate As String = pub\_GetDate()

Dim bv\_ModifiedBy As String = pub\_GetUserName()

3.6. To Create Business Logic and Data Logics of LeaveApproval, LeaveApprovals, LeaveApprovalData.

1. Add a new .vb file using Add new item at the location of ATS project **“** E:\iInterchange\ATS\Business Logics\Business.Process\**”**.
2. Name the file LeaveApproval then copy the content of LeaveApproval creates by Business Logic from the code generator.
3. Workflow pages using transaction that made create records on two class namely Access of LeaveApproval LeaveApprovals.vb and workflow for PQ\_LeaveApproval record.
4. Inside the create method of LeaveApproval on LeaveApproval.vb change the method

The code generator only invoke the Data access class, we need create a transaction

1. Here we need to create workflow object for workflow class

Dim objWF As New workflowfn(bv\_strWFDATA)

1. Create the Transaction object also

Dim objtrans As New Transactions

Dim objWFT As New WFTransactions

1. Create object for LeaveComplets

Dim objfillEnq As New LeaveApprovals

1. Invoke the create Leave Approval method

pub\_CreateLeaveApproval = objfillEnq.CreateLeaveApproval(

bv\_LeaveApprovalNo, bv\_LeaveNo, bv\_LeaveStatus, bv\_Comments, bv\_strReportingTo, bv\_LeaveComplete, bv\_Activate, bv\_RevFlag, bv\_ModifiedBy, bv\_ModifiedDate, objTrans)

1. Get the procedure parameter from the work flow

dtParam = objWF.getProcedureParameter()

1. Add parameter as a row and invoke the method create pending record

drParam = dtParam.NewRow

drParam.Item(LeaveApprovalData.LEAVENO) = bv\_LeaveNo drParam.Item(LeaveApprovalData.LEAVEAPPROVALNO)

= pub\_CreateLeaveApproval drParam.Item(LeaveApprovalData.LEAVESTATUS) = bv\_LeaveStatus drParam.Item(LeaveApprovalData.MODIFIEDBY) = bv\_ModifiedBy drParam.Item("ReportingTo") = bv\_intReportingToID drParam.Item(LeaveApprovalData.LEAVECOMPLETE) = bv\_LeaveComplete dtParam.Rows.Add(drParam) objWF.CreatePendingRecords(dtParam, objWFT)

1. The LeaveComplete Boolean value mention the leave completed or not by the user
2. It chained by Reporting To, or completed by LeaveComplete.
3. Similarly fallow the workflow modification in update method also.
4. Add a new .vb file using Add new item at the location of ATS project“E:\iInterchange\ATS\Data Logics\DataAccess\Process\”.
5. Name the file LeaveApprovals then copy the content of LeaveApprovals create by Business Logic from the code generator
6. Add a new .vb file using Add new item at the location of ATS project“E:\iInterchange\ATS\Data Logics\Data\Process\”.
7. Name the file LeaveApprovalData then copy the content of LeaveApprovalData create by Business Logic from the code generator
8. Save the files LeaveApproval.aspx, LeaveApproval.vb (business), LeaveApprovals (Data access) and LeaveApprovalData (Data)
9. Build the Business Process solution.
10. Build the page.

3.7 To Create Leave Complete Page using Code Generator

1. Open the **ATS Project** Find the Location ‘E:\iInterchange\ATS\ATSUI\Process’ Location.
2. Inside the Process add New **Webpage**  from the add New item, Rename the Default.aspx page as LeaveComplete.aspx
3. Open the **Code Generator**. Choose the Database server “iicdb\sql2005”
4. In the code generator, Add the Namespace **“ATS”** and choose the Database **“atstech”**
5. Check the table LeaveComplete on the tables Panel. Same time choose the table LeaveComplete from the Selected Tables Dropdown List
6. See them columns of table LeaveComplete is automatically displayed on Column panel.
7. Check the Column LeaveCompleteID as true, for Primary key column.
8. Click the button Create under the Columns Panel.
9. It automatically Generate the methods named GetLeaveCompleteByLeaveCompleteID, GetLeaveComplete, CreateLeaveComplete, UpdateLeaveComplete and DeleteLeaveComplete methods.
10. Use the To check all Button select all method, and Remove DeleteLeaveComplete method.
11. Fine, Note the Name of files Data File Name is LeaveCompleteData, DA (data access) File Name is LeaveCompletes, BL (business Logic) File Name is LeaveComplete, and XSD File Name is LeaveCompleteDataSet.
12. Choose the Architecture of ATS as N-Tier.
13. Check the Transaction method checkbox as true.
14. Click the Business Logic, Data Access, Data Layer, Schema Button for Leave Pages of Business Logic ( LeaveComplete.vb), Data Logic ( Access and Data ) files of LeaveCompletes and LeaveCompleteData save them at some Location (LeaveComplete) Folder.
15. Choose the page Button at the Top of the Code Generator.
16. Similarly ( step 5 ) choose the LeaveCompleteTable from the Tables panel
17. Make the Modification of LeaveComplete Columns as Depends on the need of Page.
18. Remove the LeaveCompleteID from the column.
19. Change the controls of (LeaveCompleteNo, LeaveNo, LeaveApprovalNo, EmployeeName, Department and TypeofLeave ) from TextBox to Label.
20. Change the LeaveFrom and LeaveTo controls from DateControl to Label.
21. Change the No of Days from Numeric Text box to Label.
22. Change the controls ReasonforLeave, ReportingTo, LeaveStatus, and Comments also Label.
23. The controls changed to Label is purpose to make it Read Only.
24. The Leave Complete Check box is only Control input leave Complete page.
25. Remove the Activate, Revflag, ModifiedBy, ModifiedDate from the columns
26. Choose the property of Columns from Code Generators Control Type, Required, Validation, and Visibility as you need.
27. Choose the Project name ATS on select project list
28. Click the button Aspx File, CodeBehind File, Javascript File, and finally click Save to Desktop.
29. The files need to create a Leave Page is Created on the Desktop.
30. Make sure that all the files related to create a page is right.
31. Aspx design, codebehind, javascript, BusinessLogic, DataAcess, DataSet and Data.

3.8. To Create Design and Code behind of Leave Complete

1. Open the ATS solution.
2. Add the new Aspx pages and Code behind vb file inside the “E:\iInterchange\ATS\ATSUI\Script\Process” of created Leave Complete page.
3. Similarly Add the new JavaScript file inside the “E:\iInterchange\ATS\ATSUI\Script\Process”
4. In this added page Design the Leave Complete ID, That is generated automatically at the time Leave is completed by the Authority user.
5. Call the methods CreateLeaveComplete and UpdateLeaveComplete.
6. Pass values for modified by and modified date

Dim bv\_lngLeavecompleteID As Integer = 0

Dim bv\_RevFlag As Boolean = 1

Dim bv\_ModifiedBy As String = pub\_GetUserName()

Dim bv\_ModifiedDate As Date = pub\_GetDate()

Dim objLeaveCompelte As New LeaveComplete

3.9 To Create Business Logic and Data Logics of LeaveComplete, LeaveCompletes, LeaveCompleteData using Code Generator.

1. Add a new .vb file using Add new item at the location of ATS project **“** E:\iInterchange\ATS\Business Logics\Business.Process\**”**.
2. Name the file LeaveComplete then copy the content of LeaveComplete creates by Business Logic from the code generator.
3. Workflow pages using transaction that made create records on two class namely Access of LeaveComplete.vb LeaveCompletes.vb and workflow for PQ\_LeaveComplete record.
4. Inside the create method of LeaveComplete on LeaveComplete.vb change the method

The code generator only invoke the Data access class, we need create a transaction

1. Here we need to create workflow object for workflow class

Dim objWF As New workflowfn(bv\_strWFDATA)

1. Create the Transaction object also

Dim objtrans As New Transactions

Dim objWFT As New WFTransactions

1. Create object for LeaveCompletes

Dim objfillEnq As New LeaveCompletes

1. Invoke the create Leave Approval method

Dim objfillEnq As New LeaveCompletes

pub\_ModifyLeaveComplete = objfillEnq.UpdateLeaveComplete

(bv\_LeaveCompleteID, bv\_LeaveCompleteNo, bv\_LeaveNo, bv\_LeaveApprovalNo,

bv\_EmployeeName, bv\_Department,

bv\_TypeofLeave, bv\_LeaveFrom,

bv\_LeaveTo, bv\_NoofDays,

bv\_ReasonforLeave, bv\_ReportingTo,

bv\_LeaveStatus, bv\_strComments,

bv\_LeaveComplete, bv\_RevFlag,

bv\_ModifiedBy, bv\_ModifiedDate, objTrans)

1. Get the procedure parameter from the work flow

dtParam = objWF.getProcedureParameter()

1. Add parameter as a row and invoke the method create pending record

drParam = dtParam.NewRow

drParam.Item(LeaveCompleteData.LEAVENO) = bv\_LeaveNo

drParam.Item(LeaveCompleteData.LEAVEAPPROVALNO)= bv\_LeaveApprovalNo

dtParam.Rows.Add(drParam) objWF.CreatePendingRecords(dtParam, objWFT)

1. Similarly fallow the workflow modification in update method also.
2. Add a new .vb file using Add new item at the location of ATS project“E:\iInterchange\ATS\Data Logics\DataAccess\Process\”.
3. Name the file LeaveCompletes then copy the content of LeaveCompletes create by Business Logic from the code generator
4. Add a new .vb file using Add new item at the location of ATS project“E:\iInterchange\ATS\Data Logics\Data\Process\”.
5. Name the file LeaveCompleteData then copy the content of LeaveCompleteData create by Business Logic from the code generator
6. Save the files LeaveComplete.aspx, LeaveComplete.vb (business), LeaveCompletes (Data access) and LeaveCompleteData (Data)
7. Build the Business Process solution.
8. Build the page.

**4.** **Data base Changes.**

Ensure the Data base Changes for workflow.

Separate Procedures used for make data flow from one page to another via separate tables.

Leave page use the procedure to make entry on PQLeaveApproval table.

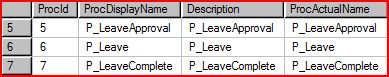
The procedure P\_Leave use the LeaveApproval Table

Like the LeaveApproval Page use the Procedure to make entry on PQLeaveComplete when the Leave Request goes complete or Change the Workflow to continue to other user on the LeaveApproval table

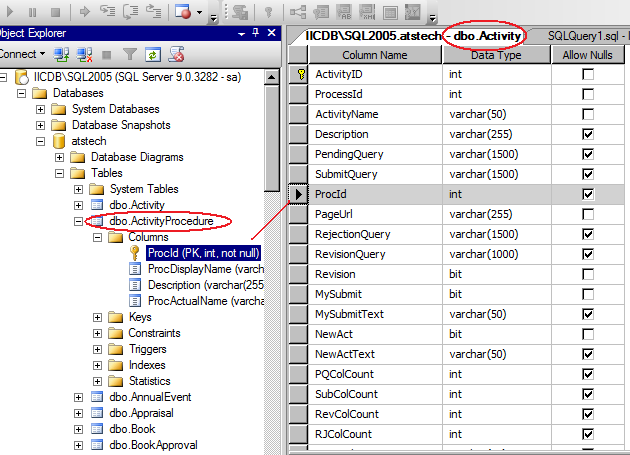
The last LeaveComplete page use the procedure the execute when the workflow complete i.e Leave is completed , it made change on Leave Approval and PQLeaveComplete Table.

These three procedure used by the Activity of Responsive workflow of each pages. Leave, Leave Approval, Leave Complete.

The Entry of Every Procedure, into workflow of Framework is controled by seprate table Activity Procedure, put entry for procedure on Activity procedure Table.



The Reference of Activity procedure is Accessed by the ProcId column of Activity table.



**Note:**  The above diagram refers the ProcId of **ActityProcedure** is Handled by the Reference of **Activity** Table. It’s way of handling StoredProcedure inside the **Activity**. It’s used on workflow to create Pending record on PQ\_Table

**Configure Data base**

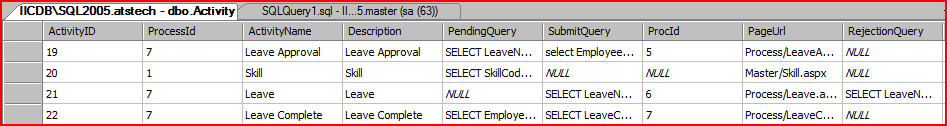
In each new page creations there are some set of Generic Change. Need to Configure Both Project and Database.

Those are

1. Activity Table Entry
2. MAX\_SNO Table Entry
3. Role Rights
4. **Activity Table Entry.**

It need for access the page by the Page Architecture of the project.

Leave Page



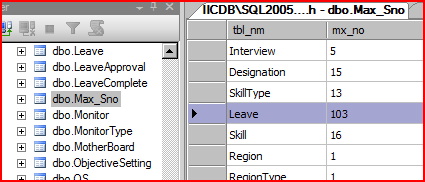
The important columns and values of Leave table entry in Activity are as fallows.

|  |  |  |
| --- | --- | --- |
| **Columns** | **Values** | **Purpose** |
| Activity ID | 21 | Page Reference of Each Activity |
| Process ID | 7 |  |
| Activity Name | Leave | Name of page used in logic codes |
| Description | Leave | Description Text |
| Pending Query | NULL | Submitted by previous page. Used in pending pane. |
| Submit Query | SELECT LeaveNo as [Leave No],EmployeeName as [Employee Name],Department,TypeofLeave as [Leave Type],LeaveFrom as [Leave From],LeaveTo as [Leave To],Modifiedby as [Modified By],Modifieddate as [Modified Date],LeaveNo as [ID],ReportingTo from PQLeaveApproval where Status ='OPEN' order by [Modified date] desc | Get Record and used to Load values for updating used by GetData method of page, controlled by Action pane. |
| ProcId | 6 |  |
| Page Url | Process/Leave.aspx | Action path of page. From the root of project. |
| Rejection Query | SELECT LeaveNo as [Leave No],EmployeeName as [Employee Name],Department,TypeofLeave as [Leave Type],LeaveFrom as [Leave From],LeaveTo as [Leave To],Status, Modifiedby as [Modified By],Modifieddate as [Modified Date],Createdby as [Created By],Createddate as [Created Date], LeaveNo as [ID],ReportingTo from PQLeaveApproval where Status ='REJECTED' order by [Modified date] desc |  |
| Revision Query | Null |  |
| Revision | 0 |  |
| My Submit | 1 | Enable My Submit Button on pending pane. |
| My Submit Text | My Submit |  |
| New Act | 1 |  |
| PQColCount | 5 | Mentioned to Display the Records shown on Pending Pane Grid. |
| SubColCount | 8 |  |
| RevColCount | NULL |  |
| RJColCount | 8 |  |
| Page Title | Leave | Display Title |
| ValidDate | 1 |  |
| ReminderFreq | 1 |  |
| Pending | 0 |  |
| Pending Text | Pending |  |
| Tablename | Leave | Mention the name of dbo.table used by current page. |
| Order No | 1 | Mention the Display Order of Menu - Action pane |
| Extra Query | Null |  |
| PendingRefField | Null |  |
| SubmitRefField | Null |  |
| TPField | Null |  |
| PHProcID | Null |  |
| ChooseTableID | 31 |  |
| NotUsed | 0 | Set page is live = 0  Not used is un live = 1 |

Similarly we need to Configure Leave Approval and Leave Complete. ..

1. **MAX\_SNO Table Entry**

This table used by the purpose of Common Auto ID increment that column used by the Common class of project used to GetIndentityValue method for (last Record id + 1)

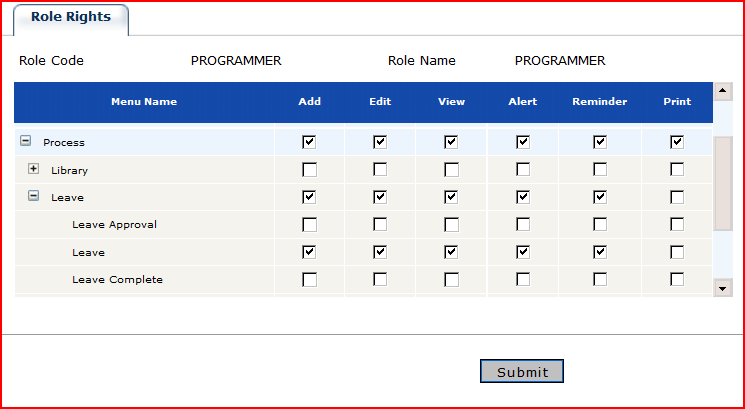


Column of Max\_Sno are tbl\_nm “Table Name “and mx\_no “Maximum Number “

1. **Role Rights**

Role Right is a Page of Project that provide the Authorization to users,

When the page is created at first time, we put the credential to the user, and then check the workflow scenario.

****

**Workflow Diagram**



Leave

Leave Complete

Start-User End-User

Multiple - User

Accepted

Rejected

Status Status

|  |  |  |
| --- | --- | --- |
|  | Team Leader |  |
| Programmer | Project Manager | HR & Admin |
|  | HOO |  |