Employee
Low level design document for performing the "CRUD" Operations of Employee.

This document has been reviewed and accepted:

Date	Name	Title	Signature

Change History:

Version	Date Creation	Author	Reason for Change
1	07/12/15	Shaik Nazeer	Creation
2	07/12/15	ShaikNazeer	Suggested modifications are done
3	08/12/15 [11:03 Am]	Shaik Nazeer	Suggested modifications are done
4	08/12/15 [03:59]	Shaik Nazeer	Suggested modifications are done

Table of Contents

1 Introduction

Overview

The Overview of this document is to Perform the **CRUD** operations.

Purpose

The Purpose of this document is to Perform the **Insert, Get, Edit, Update and Delete** operations of employee.

Scope

2.1 Scope Inclusion

Scope of this document is displaying details of **"Employees".**

3 Context Diagram (High –Level approach)

3.1 Current Context (in-case of re-engineering project)

NA

3.2 Context diagram

NA

4 Standards, Conventions and Procedures

4.1 Development Language

Microsoft C# .NET 4.0

4.2 Design/Programming Standards/Naming Conventions

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4.3 Authentication Mechanism

NA

4.4 Exception Handling/Logging

NA

4.4.1 Unhandled exception logging:

NA

4.4.2 Handled exception logging.

NA

4.4.3 General logging.

NA

4.4.4 Displaying Error Messages to Users:

NA

4.5 Session Management

In process session for ASP.Net screens.

4.6 Database Calls

This is done using the ADO.Net

4.7 Configuration Parameters

NA

Address: 8-2-699/1, 2nd Floor, KR Towers, Banjara Hills, Road No 12, Hyderabad 500034, AP - INDIA   **t:** 040 66 41 5451

f: 040 66 83 7014
e: info@revalsys.com

6

5 Framework Components

Used Microsoft .NET Framework 4.5.2.

6 Database

6.1 Related tables

tblNazeerEmployee
tblNazeerEmployeeDesignation
tblNazeerQualification

6.2 Table design structure

6.2.1   tblNazeerEmployee

Columns	Type	Allow nulls	Description
EmployeeId	bigint	no	Primary key, auto incremented
CompanyId	int	yes	Stores the company Id
SiteId	int	yes	Stores the SiteId
DepartmentId	int	yes	Stores the department id
DesignationId	int	yes	Foreign key, refers to the Designation tables designationId
ReportingEmployeeId	bigint	yes	Foreign Key, refers to the EmployeeId column of tblNazeerEmployee table
QualificationId	int	Yes	Foreign key, refers to the Qualification tables QualificationId
EmployeeName	nvarchar(64)	no	This stores employee name
Salary	money	no	Stores the salary
MobileNumber	navrchar(24)	no	This Column stores the mobile number
ProfileImage	nvarchar(128)	Yes	This is used to store the profile image
EmployeeNumber	navarchar(32)	Yes	Stores the employee number
Tag	nvarchar(64)	Yes	Stores the Tag data
Comments	navrchar(512)	Yes	Stores the comments
DisplayOnWeb	bit	No	Stores the information of display on web
IsPublished	bit	No	Stores the publishing information
SortOrder	int	No	Stores the sorting order
IPAddress	nvarchar(64)	No	Stores the IPAddress
CreatedBy	nvarchar(128)	No	Stores the Creator details

DateCreated	datetime	No	Stores the creation date
UpdatedBy	nvarchar(128)	Yes	Stores the details regarding update
LastUpdated	datetime	Yes	Stores the LastUpdated date
DeletedBy	nvarchar(128)	Yes	Stores the details regarding deletion
DateDeleted	datetime	Yes	Stores the deletion date
PublishedBy	nvarchar(128)	Yes	Stores the details regarding publishing
DatePublished	datetime	Yes	Stores the details regarding publishing

6.2.2 tblNazeerEmployeeDesignation

Columns	Type	Allow Nulls	Description
DesignationId	Int	No	Stores Identity which is primary key and is auto incremented
Designation	nvarchar (32)	No	This stores designation name

6.2.3 tblNazeerEmployeeQualification

Columns	Type	Allow Nulls	Description
QualificationId	Int	No	Stores Identity which is primary key and is auto incremented
Qualification	nvarchar (32)	No	Stores Qualification name

7.1 Screen/ETL Design
Screen:

Note: This is sample screenshot, after completing implementation I will attach new screen shot.

Employee Name	Designation	Reporting Employee	Salary	Email-Id	Mobile Number	Qualification	Profile Image	Employee Number

Add Employee

Field	Input	Error
Employee Name:		Employee name is required.
Designation:	-- Select --	
Reporting Employee:	-- Select --	
Salary:		Salary is required.
Email-Id:	abc	Invalid e-mail.
Mobile Number:		Mobile number is required.
Qualification:	-- Select --	
Profile Image:	Browse... No file selected.	
Employee Number:		

Add   Reset

Employee Name	Designation	Reporting Employee	Salary	Email-Id	Mobile Number	Qualification	Profile Image	Employee Number

7.2 Screen Controls

Screen Control	Type	Description
txtEmployeeName	TextBox	For Entering Employee Name.
ddlDesignation	DropdownList	For selecting designation.
ddlReportingEmployee	DropdownList	For selecting reporting employee.
txtSalary	TextBox	For entering salary
txtEmail	TextBox	For entering the email-id
txtMobileNumber	TextBox	For entering mobile number of employee
ddlQualification	DropdownList	For selecting Qualification
fuProfileImage	FileUpload	For uploading profile image
txtEmployeeNumber	TextBox	For entering employee number

7.3 Validations

7.3.1 Employee Name is required.

7.3.2 Salary is required.

7.3.3 (1) Email-Id is required.

(2) Invalid e-mail.

7.3.4 Mobile number is required.

7.3.5 Only png, jpeg, bmp are allowed.

7.4 Functions

Function name	BindQualificationDetails
Purpose	To bind Qualification details
Function Parameters	
Pseudo Code	To bind list of possible Qualification details

Function name	BindDesignationDetails
Purpose	To Bind the all Designations
Function Parameters	
Pseudo Code	To bind list of possible Designations

Function name	BindReportingEmployeesBasedOnDesignationId
Purpose	To Bind the reporting employees
Function Parameters	DesignationId
Pseudo Code	To bind list of possible Reporting Employees based on DesignationId

Function name	InsertEmployeeDetails
Purpose	To Insert employee
Function Parameters	ComapnyId, SiteId, DepartmentId, DesignationId, ReportingEmployeeId, QualificationId, EmployeeName, Salary, MobileNumber, ProfileImage, EmployeeNumber, Tag, Comments, DisplayOnWeb, IsPublished, SortOrder, IPAddress, CreatedBy, DateCreated, UpdatedBy, LastUpdated, DeletedBy, DateDeleted, PublishedBy, DatePublished
Pseudo Code	To insert new employee record

Function name	GetEmployeeDetails
Purpose	To get employees
Function Parameters	CompanyId, SiteId, DepartmentId
Pseudo Code	It is used to bind the employee details to the grid view based on ComapnyId, SiteId, DepartmentId

Function name	UpdateEmployeeDetails
Purpose	To update the employee details
Function Parameters	CompanyId, SiteId, DepartmentId, EmployeeId
Pseudo Code	To update the employee details based on CompanyId, SiteId, DepartmentId, EmployeeId.

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f: 040 66 83 7014
e: info@revalsys.com

14

Function name	DeleteEmployee
Purpose	To Delete employee
Function Parameters	ComapanyId, SiteId, DepartmentId, EmployeeId
Pseudo Code	To delete the employee based on ComapanyId, SiteId, DepartmentId, EmployeeId.

8 SQL Queries/Views

8.1	
8.2	
8.3	