**PDCA Program and Database Structure**

# Technologies used:

* SQL Server database, located in the PDCAFS database on the Azure-SQL server.
* Visual Studio C# ASP.NET with AjaxControlToolKit, Test and Prod versions located under C:\Sourcefiles on the CHSU-WEB server.
* SQL Server Reporting Services
* Microsoft Internet Information Services on the CHSU-WEB server

**Github Location**

https://github.com/California-Health-Sciences-University/WebServ

# Table Structures

## AccreditationOrganization

### Description:

Contains the list of accreditation organizations whose standards are referenced in the PDCA program.

|  |  |  |
| --- | --- | --- |
| **FieldName** | **Type** | **Description** |
| AccreditationOrganizationID | int IDENTITY(1,1) | Unique record identifier for the table. |
| Name | nvarchar(50) | Name of the Accreditation Organization |
| Description | nvarchar(500) | Description of the organization |

## Assessments

### Description:

Contains the list of assessments that can be applied to any PDCA.

|  |  |  |
| --- | --- | --- |
| **FieldName** | **Type** | **Description** |
| AssessmentID | int IDENTITY(1,1) | Unique record identifier for the table. |
| Name | nvarchar(50) | Name of the Assessment |
| Description | nvarchar(500) | Description of the Assessment |

## PDCA

### Description:

This is the main table for the PDCA document.

|  |  |  |
| --- | --- | --- |
| **FieldName** | **Type** | **Description** |
| PDCAID | int IDENTITY(1,1) | Unique record identifier for the table. |
| DateEntered | datetime | Date PDCA was first entered. |
| LastUpdate | datetime | Last date the PDCA was updated. |
| DateSubmitted | datetime | Date the PDCA was submitted for approval. |
| EnteredBy | nvarchar(50) | User ID of the person who created the PDCA |
| UpdatedBy | nvarchar(50) | User ID of the last person to update the PDCA |
| Submittedby | nvarchar(50) | User ID of the person who submitted the PDCA for approval. |
| Department | nvarchar(500) | Department to which the PDCA applies. |
| Title | nvarchar(500) | Title of the PDCA |
| Description | nvarchar(500) | Brief description of the PDCA’s purpose. |
| SubmissionTeam | nvarchar(500) | A free form list of the people involved in submitting this PDCA. |
| Status | nvarchar(50) | Status of the PDCA  New, Submitted, or Complete |
| Entity | nvarchar(50) | Delimited list of entities to which the PDCA applies – CHSU, COP, COM |
| SchoolYear | int | School year to which the PDCA applies. |
| SchoolYearID | int | Unique counter within each school year. |
| WCUSCAccreditation | nvarchar(500) | Delimited list of the accreditation standards for the WCUSC organization that apply to this PDCA. |
| COCAAccreditation | nvarchar(500) | Delimited list of the accreditation standards for the COCA organization that apply to this PDCA. |
| ACPEAccreditation | nvarchar(500) | Delimited list of the accreditation standards for the ACPE organization that apply to this PDCA. |

## PDCAAssessments

### Description:

Contains the list of assessments that are used on each PDCA.

|  |  |  |
| --- | --- | --- |
| **FieldName** | **Type** | **Description** |
| PDCAAssessmentID | int IDENTITY(1,1) | Unique record identifier for the table. |
| PDCAID | int | PDCA identifier. Links to the PDCAID field in the PDCA table. |
| AssessmentID | int | Assessment Identifier. Links to the AssessmentID fields in the Assessments table. |
| Checked | nvarchar(50) | Contains the value of whether this assessment was checked on the form. True or False. |

## PDCADocuments

### Description:

Contains the documents that are attached to each PDCA.

|  |  |  |
| --- | --- | --- |
| **FieldName** | **Type** | **Description** |
| DocumentID | uniqueidentifier | Unique record identifier for the table. |
| PDCADocumentID | int IDENTITY(1,1) | Unique record identifier for the table. |
| PDCAID | int | PDCA identifier. Links to the PDCAID field in the PDCA table. |
| DocumentName | varchar(1000) | File Name of the document. |
| DocumentType | varchar(50) | Mime Type of document |
| FileExtension | varchar(50) | Document file extension, e.g., .doc, .docx, .xls, .ppt, etc. |
| Title | varchar(2000) | Title of the document |
| Description | varchar(2000) | Description of the document |
| InsertDate | datetime | Date at time document was inserted. |
| InsertedBy | varchar(50) | Network ID of the person who inserted the document. |
| DocumentFS | varbinary(max) | Document contents. See FILESTREAM feature in SQL Server for how this is handled. |

## PDCAFields

### Contains the list of text fields that are contained in each PDCA, such as Subject of Assessment, Assessments, Strengths, Insights, etc.

|  |  |  |
| --- | --- | --- |
| **FieldName** | **Type** | **Description** |
| PDCAFieldID | int IDENTITY(1,1) | Unique record identifier for the table. |
| FieldName | nvarchar(50) | Name of the field. |
| Title | nvarchar(1000) | Title of the Field. |
| Description | nvarchar(2000) | Description of the field. This may be saved in an HTML format. |
| ToolTip | nvarchar(500) | Text for the tooltip for the field, if any is used. Not currently used. |
| DisplayOrder | decimal(18, 2) | Order in which the fields are dispayed. |

## PDCANotes

### Description:

Contains the text of entries for each of the text fields on the PDCA. There will be one data row for each PDCAField in the PDCAFields table, for each PDCA. At the time of the launch of the program, there are ten fields on the form, so each PDCA will have ten entries in this table. The fields are:

* Subject of Assessment
* Assessment Name
* Strengths
* Insights
* Areas for Improvement
* Plan:
* Do:
* Check:
* Additional Comments
* Report Must Be Conveyed

|  |  |  |
| --- | --- | --- |
| **FieldName** | **Type** | **Description** |
| NoteID | int IDENTITY(1,1) | Unique record identifier for the table. |
| PDCAID | int | PDCA identifier. Links to the PDCAID field in the PDCA table. |
| PDCAFieldID | int | Identifier for the PDCAField. Links to the PDCAFieldID in PDCAFields. |
| Note | nvarchar(max) | Text associated with the PDCA note. This may be in HTML format. |

## PDCAUsers

### Description:

Contains the list of PDCAUsers and their role in PDCA. Used to control who can see and do what within the program.

|  |  |  |
| --- | --- | --- |
| **FieldName** | **Type** | **Description** |
| PDCAUserID | int IDENTITY(1,1) | Unique record identifier for the table. |
| NetworkUserID | varchar(50) | User’s network id |
| FiratName | varchar(50) | First name of the user. |
| LastName | varchar(50) | Last name of the user. |
| UserRole | varchar(50) | User’s role in the PDCA application. |

## Database Diagram

