# TRAINING PLAN PROJECT

## Purpose

To generate training plan for the year.

## Scope

Phoenix Developer’s training program

Duration: 6 Days

## Registers

Program, Module and Course registers are existing in the database with some sample records, which will be used to validate the Program, Module and Course Codes that the user enters in the interface screens.

|  |  |
| --- | --- |
| **TBLPROGRAM** |  |
| FLDPROGRAMID (PK) | UNIQUEIDENTIFIER DEFAULT NEWSEQUENTIALID |
| FLDPROGRAMCODE | VARCHAR(10) |
| FLDPROGRAMNAME | VARCHAR(500) |
| FLDDTKEY | UNIQUEIDENTIFIER DEFAULT NEWSEQUENTIALID |

|  |  |
| --- | --- |
| **TBLMODULE** |  |
| FLDPROGRAMID (FK) | UNIQUEIDENTIFIER |
| FLDMODULEID (PK) | UNIQUEIDENTIFIER DEFAULT NEWSEQUENTIALID |
| FLDMODULECODE | VARCHAR(10) |
| FLDMODULENAME | VARCHAR(500) |
| FLDDTKEY | UNIQUEIDENTIFIER DEFAULT NEWSEQUENTIALID |

|  |  |
| --- | --- |
| **TBLCOURSE** |  |
| FLDPROGRAMID (FK) | UNIQUEIDENTIFIER |
| FLDMODULEID (FK) | UNIQUEIDENTIFIER |
| FLDCOURSEID (PK) | UNIQUEIDENTIFIER DEFAULT NEWSEQUENTIALID |
| FLDCOURSECODE | VARCHAR(10) |
| FLDCOURSE | VARCHAR(500) |
| FLDFEE | DECIMAL(6,2) |
| FLDDTKEY | UNIQUEIDENTIFIER DEFAULT NEWSEQUENTIALID |

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| **TBLTRAININGPLAN** |  |
| FLDTRAININGID (PK) | UNIQUEIDENTIFIER DEFAULT NEWSEQUENTIALID |
| FLDPROGRAMID (FK) | UNIQUEIDENTIFIER |
| FLDMODULEID (FK) | UNIQUEIDENTIFIER |
| FLDPLANNO | VARCHAR(10) |
| FLDFROMDATE | DATETIME |
| FLDTODATE | DATETIME |
| FLDDESCRIPTION | VARCHAR(200) |
| FLDTRAININGCOST | DECIMAL(10, 2) |
| FLDDTKEY | UNIQUEIDENTIFIER DEFAULT NEWSEQUENTIALID |

|  |  |
| --- | --- |
| **TBLTRAININGCOURSE** |  |
| FLDTRAININGCOURSEID (PK) | UNIQUEIDENTIFIER |
| FLDTRAININGID (FK) | UNIQUEIDENTIFIER |
| FLDCOURSEID (FK) | UNIQUEIDENTIFIER |
| FLDCOURSECODE | VARCHAR(10) |
| FLDTESTYN | SMALLINT |
| FLDFEE | DECIMAL (6, 2) |
| FLDNUMBEROFTRAINEES | SMALLINT |
| FLDDTKEY | UNIQUEIDENTIFIER DEFAULT NEWSEQUENTIALID |

(PK) – PRIMARY KEY

(FK) – FOREIGN KEY

## Transactions

As per the various action modes viz. – Add, Modify, Delete, View, the proposed transactions to be done in this module are

1. The user should be able to view the list of training plans created.
2. The user should be able to create a new training plan with the corresponding courses.
3. The user should be able to modify the training plan and its courses.
4. The user should be able to delete the training plan or one course at a time. When the plan is deleted, the courses planned will also get deleted.

## Major processes / algorithms

### Registers

1. Program, Module and Course registers will be administered through screens.
2. The screens will allow Add, Edit and Delete
3. The Program, Module and Course entries that are used in Training Plan cannot be deleted.
4. Modifications to the name will automatically reflect in the Training Plan.

### Training Plan Concept

1. Creation of Training Plan
2. Modification of existing training plan
3. Deletion of existing training plan
4. Viewing the existing training plan
5. Pick list facility for Program, Module and Course.
6. Notes facility for the Training Plan and Course will created using the unique identifier.
7. Each training plan can have multiple courses within a single module and program.
8. Number of trainees should be less than the maximum number of trainees in the course register.
9. From date should be less than or equal to To Date.

### Buttons

* New – To Clear the fields to add a new plan.
* Save – Add the plan if it is a new plan. Update the amendments if it is a modified plan.
* Delete – Delete the plan shown in the scroll list
* Notes – Add notes to the existing plan
* Edit – Show the plan.

### Field Description

#### Header

1. Plan No: A unique plan number that identifies the plan within the training calendar.
2. Description: Description for each training plan
3. From date: Specifies the date from which the current training plan is valid.
4. To date: Specifies the date till which the training plan is valid
5. Program: Program for which the plan is being made.
6. Module: Module for which the plan is being made.

#### Detail

1. Course: Course for which the plan is being made.
2. Description: Course Description for the given course.
3. Test: Whether the course has a test or not. It can have two values Yes, No.
4. Number of Trainees: Number of trainees expected for a particular course.

#### Mandatory Fields

1. Program Code
2. Module Code
3. From date
4. To date

### Processing

#### Add, Modify

1. User selects a Program Code, Module Code, From Date and To Date.
2. A Plan No will be entered for the new plan. The Plan No will be unique.
3. A Plan description will be entered by the user.
4. Program Code, Module Code will be validated against the register.
5. To Date will be later than the From date

If the To Date is not entered, system displays the following error. “You have not entered TO Date. Enter a To Date”.

If the To Date is less than the From date, system displays the following error. “To date should be later than the From date. Enter a valid To date”.

If the Program Code is not entered, system displays the following error. “You have not entered a Program Code. Choose/Enter a program code.”

If the Module Code is not entered, system displays the following error. “You have not entered a module code. Choose/Enter a module code”.

If the Program code does not exist in the Program Register, system displays the following error. “Program code is not defined. Choose/Enter a valid Program code”.

If the Module code does not exist in the Module Register, system displays the following error. “Module code is not defined. Choose/Enter a valid Module code”.

On Modify, the Plan No cannot be changed. The field is not editable.

**For every record in the scroll list of courses in the plan detail, the following checks are performed**.

If the number of trainees is not entered, system displays the following error. “You have not entered the Number of Trainees. Enter the Number of trainees.”

If the number of trainees is less than or equal to zero, system displays the following error. “Number of trainees must be greater than zero. Enter a valid number of trainees”.

If the Course code does not exist in the Course Register, system displays the following error. “Course code is not defined. Choose/Enter a valid course code”.

If the Course code is already entered in the plan, system displays the following error. “Course is already requested. Clear the repeated record.”

The Course Fee will be added to training cost when the course is added. The cost to be added is calculated as Course Fee X Number of Trainees.

#### Delete

Prior to deleting the plan, the system prompts the following message. “Are you sure you want to delete the Plan and its corresponding courses?”

On successful delete, system displays the following message. “Plan No and corresponding courses deleted.”

#### Notes

Notes can be entered only in Modify mode. Notes button will not be visible in the Add mode.

1. The notes screen launches on click of the notes button.
2. User enters the notes and clicks on Save button in the notes screen.
3. The entered text is saved along with the username and date.

The screen for training plan registers is as below:

|  |  |  |
| --- | --- | --- |
| Program Code | Program Name |  |
|  |  |  |
|  |  | Add |

Program Name <Dropdown List>

|  |  |  |
| --- | --- | --- |
| Module Code | Module Name |  |
|  |  |  |
|  |  | Add |

Program Name <Dropdown List> Module Name <Dropdown List>

|  |  |  |
| --- | --- | --- |
| Module Code | Module Name |  |
|  |  |  |
|  |  | Add |

The training plan **list** screen is as below:

[Add]

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Plan No | Description | Program | Module | Action |
|  |  |  |  | Edit / Delete |
|  |  |  |  |  |

The training plan **Add** screen is as below:

Plan No: <Textbox Editable> Description: <Textbox Editable>

Program: <Dropdown List> Module: <Dropdown List>

From Date: <Ajax Date Control> To Date: <Ajax Date Control>

The training plan **Edit** screen is as below:

Plan No: <Label> Description: <Textbox Editable>

Program: <Label> Total Training cost: <Label>

Module: <Label>

From Date: <Label> To Date: <Label>

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Course | Description | Test (Yes/No) | Number of Students | Course Fees | Action |
|  |  |  |  |  | Edit / Delete |
|  |  |  |  |  | Edit / Delete |
| <Dropdown> | <Textbox> | <Checkbox> | <Textbox> | Label | Add |