Design Document for User Story 7493

As a user I want to display the trend of specified instruments.

# ASP .NET Pages

## reports\_pat.aspx.cs

**Code Type**: C# Codebehind Class for ASP .NET Page

**Uses Classes**: CPWEvent, CReportsPat, }, DataSet, DataTable, CDataConverter

**Uses PL/SQL Procedures**: N/A

**Uses MDWS Calls**: N/A

**Lines of Code**: 299

public void OnShowTrend(string strJSON)

* On trend click show the chart

protected void LoadTrend(string strPatID, DateTime dtFromDate, DateTime dtToDate)

* load the trend tree

public void OnPatSel(string strJSON)

* On patient select, load the report data

# ASP .NET User Controls

N/A

# ASP .NET Classes

## CReportsPat.cs

**Code Type**: C# Class

**Uses Classes**: CDataParameterList, CDataSet

**Uses PL/SQL Procedures**: PCK\_REPORTS\_PAT.GetPatPopulationRS, PCK\_REPORTS\_PAT.GetInstrumentsBaseRS, PCK\_REPORTS\_PAT.GetInstrumentScoreRS, PCK\_REPORTS\_PAT.GetNoteDatesRS, PCK\_PWEVENT.GetIntakeScoreRS, PCK\_REPORTS\_PAT.GetTrendBaseRS

**Uses MDWS Calls**: N/A

**Lines of Code**: 155

public DataSet GetTrendBaseDS(BaseMaster BaseMstr,

string strPatientID)

* get the trend base dataset

# C++ Classes

N/A

# Oracle PL/SQL

## pck\_reports\_pat.bdy

**Lines of Code**: 348

function GetPrevIntakeScore(pi\_nMID in number,

pi\_vPatientID in varchar2,

pi\_nIntakeID in number)

return number

* Get previous intake score

function GetCurrentIntakeScore(pi\_vPatientID in varchar2,

pi\_nMID in number)

return number

* Get current intake score

procedure GetNoteDatesRS( pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_vPatientID in varchar2,

pi\_dtFrom in date,

pi\_dtTo in date,

po\_nStatusCode out number,

po\_vStatusComment out varchar2,

rs out RetRefCursor)

* Get note dates RS

procedure GetInstrumentScoreRS( pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_vPatientID in varchar2,

pi\_nMID in number,

pi\_dtFrom in date,

pi\_dtTo in date,

po\_nStatusCode out number,

po\_vStatusComment out varchar2,

rs out RetRefCursor)

* Get instrument score recordset

procedure GetTrendBaseRS( pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_vPatientID in varchar2,

po\_nStatusCode out number,

po\_vStatusComment out varchar2,

rs out RetRefCursor)

* Get trend base recordset

procedure GetInstrumentsBaseRS( pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_vPatientID in varchar2,

pi\_dtFrom in date,

pi\_dtTo in date,

po\_nStatusCode out number,

po\_vStatusComment out varchar2,

rs out RetRefCursor)

* gets all scorable modules for this patient and date range with the 10 most recent columns nulled out for fill in later

procedure GetPatPopulationRS(pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_vKey in varchar2,

po\_nStatusCode out number,

po\_vStatusComment out varchar2,

rs out RetRefCursor)

* get a record set of all patients for the site

## pck\_pwevent.bdy

**Lines of Code**: 937

procedure GetMedicalHxRS (

pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_vPatientID in varchar2,

po\_nStatusCode out number,

po\_vStatusComment out varchar2,

rs out RetRefCursor

)

* get the most recent medical history record

procedure InsertMedicalHx ( pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_nRegionID in number,

pi\_nSiteID in number,

pi\_vPatientID in varchar2,

pi\_nPatPWID in number,

pi\_nPatPWEventID in number,

po\_nStatusCode out number,

po\_vStatusComment out varchar2

)

* insert a new medical history record

procedure GetMedicalHxIntakeID( pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_vPatientID in varchar2,

po\_nIntakeID out number,

po\_nStatusCode out number,

po\_vStatusComment out varchar2

)

* get the most recent medical history intake\_id

procedure WriteNote (

pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_vPatientID in varchar2,

pi\_nPatPWEventID in number,

pi\_vDFN in varchar2,

pi\_vDUZ in varchar2,

pi\_vEncounterID in varchar2,

pi\_vConsultIEN in varchar2,

pi\_vCosignerDUZ in varchar2,

pi\_vNoteTitleIEN in varchar2,

pi\_vTIUNoteID in varchar2,

pi\_vTIUNote in clob,

pi\_nClinicID in number,

pi\_nEncounterType in number,

pi\_vNoteTitle in varchar2,

pi\_vLocation in varchar2,

pi\_vCosigner in varchar2,

pi\_vConsult in varchar2,

pi\_vTBINote in clob,

po\_nStatusCode out number,

po\_vStatusComment out varchar2

)

* write note details to tbi cds after commited to MDWS

procedure SaveNoteProgress (

pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_vPatientID in varchar2,

pi\_nPatPWEventID in number,

pi\_nEncounterType in number,

pi\_vNoteTitle in varchar2,

pi\_vLocation in varchar2,

pi\_vCosigner in varchar2,

pi\_vConsult in varchar2,

pi\_vNote in clob,

po\_nStatusCode out number,

po\_vStatusComment out varchar2

)

* save note progress, used while the note is being written but before it is commited

procedure GetOutcomeMeasuresRS (

pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_vPatientID in varchar2,

pi\_nPatPWEventID in number,

po\_nStatusCode out number,

po\_vStatusComment out varchar2,

rs out RetRefCursor

)

* Get all outcome measures associated with an event

procedure GetIntakeScoreRS (

pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_vPatientID in varchar2,

pi\_nIntakeID in number,

pi\_nMID in number,

po\_nStatusCode out number,

po\_vStatusComment out varchar2,

rs out RetRefCursor

)

* Get all scores for an intake

procedure GetEventEntryRS (

pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_vPatientID in varchar2,

pi\_nPatPWEventID in number,

po\_nStatusCode out number,

po\_vStatusComment out varchar2,

rs out RetRefCursor

)

* get all event entries for an event

procedure GetEventEntryTypeRS (

pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

po\_nStatusCode out number,

po\_vStatusComment out varchar2,

rs out RetRefCursor

)

* get event entry types Subjective, Objective, Assessment, Plan etc...

procedure GetEventStatusRS (

pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

po\_nStatusCode out number,

po\_vStatusComment out varchar2,

rs out RetRefCursor

)

* get event statuses Better, Same, Worse etc...

procedure GetEventSeverityRS (

pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

po\_nStatusCode out number,

po\_vStatusComment out varchar2,

rs out RetRefCursor

)

* get event severities: mild, moderate, severe etc...

procedure InsertPWEvent ( pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_nRegionID in number,

pi\_nSiteID in number,

pi\_vPatientID in varchar2,

pi\_nPatPWID in number,

pi\_vEventTitle in varchar2,

pi\_dtEventDate in varchar2,

pi\_nRelatedEventID in number,

po\_nPatPWEventID out number,

po\_nStatusCode out number,

po\_vStatusComment out varchar2

)

* insert a new pathway event

procedure InsertPWEventEntry ( pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_vPatientID in varchar2,

pi\_nPatPWEventID in number,

pi\_nPWEventModuleID in number,

pi\_nEventEntryTypeID in number,

pi\_dtEventDate in date,

pi\_vEventEntryComment in varchar2,

pi\_nEventStatusID in number,

pi\_nEventSeverityID in number,

po\_nEventEntryID out number,

po\_nStatusCode out number,

po\_vStatusComment out varchar2

)

* insert an event entry

procedure UpdatePWEventEntry ( pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_nEventEntryID in number,

pi\_nPWEventModuleID in number,

pi\_dtEventDate in date,

pi\_vEventEntryComment in varchar2,

pi\_nEventStatusID in number,

pi\_nEventSeverityID in number,

po\_nStatusCode out number,

po\_vStatusComment out varchar2

)

* update an event entry

procedure UpdatePWEventPlan ( pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_nPatPWEventID in number,

pi\_nPatPWPlanEventID in number,

pi\_vPlanText in clob,

po\_nStatusCode out number,

po\_vStatusComment out varchar2

)

* update the plan portion of the event

procedure DeletePWEventEntry ( pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_nEventEntryID in number,

po\_nStatusCode out number,

po\_vStatusComment out varchar2

)

* delete an event entry

function GetPrevIntakeScore(pi\_nMID in number,

pi\_vPatientID in varchar2,

pi\_nIntakeID in number)

return number

* Gets the previous score value for a mid

function GetNextPatPWEventID(pi\_nPatPWEventID in number,

pi\_vPatientID in varchar2)

return number

* Gets the next event id after an event

procedure GetNextPatPWEventRS (

pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_vPatientID in varchar2,

pi\_nPatPWEventID in number,

po\_nStatusCode out number,

po\_vStatusComment out varchar2,

rs out RetRefCursor

)

* Gets next pathway event associated with a patient