Design Document for User Story 7003

As a User I want to create a new “next” event when data is saved in the plan tab for an event that does not have a “next” event already.

# ASP .NET Pages

N/A

# ASP .NET User Controls

### ucPlan.ascx.cs

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

**Uses Classes:** CCPA, CPWEvent, CDataConverter, JavaScriptSerializer, CIntake, CTemplate

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

**Uses MDWS Calls:** N/A

**Lines of Code:** 315

protected void OnPlanOK(object sender, DirectEventArgs e)

* User clicked the plan save button

protected void Page\_Load(object sender, EventArgs e)

* page load, initialize control

# ASP .NET Classes

### CCPA.cs

**Code Type:** C# Class

**Uses Classes:** CDataParameterList, CDataSet

**Uses PL/SQL Procedures:** PCK\_CPA.GetCPATypeRS, PCK\_CPA.GetCPARS, PCK\_CPA.GetCPAPWRS, PCK\_CPA.GetPWEventRS, PCK\_CPA.GetPWEventAndModuleRS, PCK\_CPA.GetPWEventModuleRS, PCK\_CPA.GetUserCPARS, PCK\_CPA.GetPatPWRS, PCK\_CPA.GetPatPWEventRS, PCK\_CPA.GetPatPWEventModuleRS, PCK\_CPA.ApplyDefaultPathway, PCK\_CPA.ApplyPathway, PCK\_CPA.UpdatePatPWEventModule, PCK\_CPA.InsertPatPWEventModules, PCK\_CPA.UpdatePatPWEventModules

**Uses MDWS Calls:** N/A

**Lines of Code:** 423

public DataSet GetPatPWEventModuleDS(BaseMaster BaseMstr,

string strPatientID,

long lPatPWEventID)

* get all modules for a patient pw id

public DataSet GetPatPWEventByIDDS(BaseMaster BaseMstr,

string strPatientID,

long lPatPWEventID)

* gets one pathway event by id

public bool UpdatePWEventModules(BaseMaster BaseMstr,

string strPatientID,

long lPatPWEventID,

string strEventTitle,

DateTime dtEventDate,

long lAdjustFuture,

string strMIDS,

string strFORS)

* insert/update pw event modules

### CPWEvent.cs

**Code Type:** C# Class

**Uses Classes:** CDataParameterList, CDataSet

**Uses PL/SQL Procedures:** PCK\_PWEVENT.GetNextPatPWEventRS, PCK\_PWEVENT.GetOutcomeMeasuresRS, PCK\_PWEVENT.GetEventEntryRS, PCK\_PWEVENT.GetIntakeScoreRS, PCK\_PWEVENT.GetEventEntryTypeRS, PCK\_PWEVENT.GetEventStatusRS, PCK\_PWEVENT.GetEventSeverityRS, PCK\_PWEVENT.InsertPWEventEntry, PCK\_PWEVENT.UpdatePWEventEntry, PCK\_PWEVENT.UpdatePWEventPlan, PCK\_PWEVENT.DeletePWEventEntry

**Uses MDWS Calls:** N/A

**Lines of Code:** 268

public DataSet GetNextPatPWEventDS(BaseMaster BaseMstr,

string strPatientID,

long lPatPWEventID)

* Gets next pathway event associated with a patient

public long InsertPWEvent(BaseMaster BaseMstr,

long lRegionID,

long lSiteID,

string strPatientID,

long lPatPWID,

string strEventTitle,

DateTime dtEventDate,

long lRelatedPatPWID)

* insert a new patient pathway event

public bool UpdatePWEventPlan(BaseMaster BaseMstr,

long lPatPWEventID,

long lPatPWPlanEventID,

string strPlanText)

* update an events plan

# C++ Classes

N/A

# Oracle PL/SQL

### pck\_cpa.bdy

**Lines of Code:** 1369

procedure GetCPATypeRS (

pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

po\_nStatusCode out number,

po\_vStatusComment out varchar2,

rs out RetRefCursor

)

* Gets all clinical program area types

procedure GetCPARS (

pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_nRegionID in number,

pi\_nSiteID in number,

po\_nStatusCode out number,

po\_vStatusComment out varchar2,

rs out RetRefCursor

)

* Gets all clinical program areas by region/site

procedure GetCPAPWRS (

pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_nCPAID in number,

po\_nStatusCode out number,

po\_vStatusComment out varchar2,

rs out RetRefCursor

)

* Gets all pathways for a clinical program area each site has its own list of clinical program areas

procedure GetPWEventRS (

pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_nPWID in number,

po\_nStatusCode out number,

po\_vStatusComment out varchar2,

rs out RetRefCursor

)

* Gets all pathway events for a pathway

procedure GetPWEventModuleRS (

pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_nPWID in number,

pi\_nPWEventID in number,

po\_nStatusCode out number,

po\_vStatusComment out varchar2,

rs out RetRefCursor

)

* Gets all modules for a pathway event

procedure GetPWEventAndModuleRS (

pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_nPWID in number,

po\_nStatusCode out number,

po\_vStatusComment out varchar2,

rs out RetRefCursor

)

* Gets all events and modules for a pathway

procedure UpdateUserDefaultCPA (

pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_nCPAID in number,

po\_nStatusCode out number,

po\_vStatusComment out varchar2

)

* update a users default clinical program area

procedure GetUserCPARS (

pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

po\_nStatusCode out number,

po\_vStatusComment out varchar2,

rs out RetRefCursor

)

* Gets a users clinical program areas

procedure GetPatPWRS (

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

)

* Gets all pathways associated with a patient, ordered by region, site and clinical program area

procedure GetPatPWEventRS (

pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_vPatientID in varchar2,

pi\_nPatPWID in number,

po\_nStatusCode out number,

po\_vStatusComment out varchar2,

rs out RetRefCursor

)

* Gets all pathway events for a specific patient pathway

procedure GetPatPWEventRS (

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

)

* Gets all pathway events associated with a patient

procedure GetPatPWEventRS (

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 one pathway event associated with a patient

procedure GetPatPWEventModuleRS (

pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_vPatientID in varchar2,

pi\_nPatPWID in number,

pi\_nPatPWEventID in number,

po\_nStatusCode out number,

po\_vStatusComment out varchar2,

rs out RetRefCursor

)

* Gets all pathway event modules associated with a specific patient pathway event

procedure GetPatPWEventModuleRS (

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 modules for a patient pw event

procedure GetPatPWEventModuleRS (

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

)

* Gets all pathway event modules associated with a patient

procedure MergePathwayEvents (

pi\_vPatientID in varchar2,

pi\_nPatPWID in number,

po\_nMerged out number

)

* merge pathway events and modules

procedure ApplyPathway (

pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_vPatientID in varchar2,

pi\_vPWIDs in varchar2,

pi\_vPWTitle in varchar2,

pi\_dtBaseline in date,

po\_nPatPWID out number,

po\_nStatusCode out number,

po\_vStatusComment out varchar2

)

* apply a pathway/schedule to a patient

procedure InsertPathwayEvent (

pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_vPatientID in varchar2,

pi\_nPWID in number,

po\_nStatusCode out number,

po\_vStatusComment out varchar2,

rs out RetRefCursor

)

* Insert pathway event

procedure InsertPatPWEventModules (

pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_vPatientID in varchar2,

pi\_nPatPWEventID in number,

pi\_vMIDS in varchar2,

po\_nStatusCode out number,

po\_vStatusComment out varchar2

)

* Insert pat pw event modules

procedure UpdatePatPWEventModules (

pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_vPatientID in varchar2,

pi\_nPatPWEventID in number,

pi\_vEventTitle in varchar2,

pi\_dtEventDate in date,

pi\_nAdjustFuture in number,

pi\_vMIDS in varchar2,

pi\_vModuleFors in varchar2,

po\_nStatusCode out number,

po\_vStatusComment out varchar2

)

* Update the pw event module list

procedure UpdatePatPWEventModule (

pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_vPatientID in varchar2,

pi\_nPWID in number,

pi\_nPatPWEvtID in number,

pi\_nMID in number,

pi\_nIntakeID in number,

po\_nStatusCode out number,

po\_vStatusComment out varchar2

)

* Updates Patient Event Module status after a module is completed

### pck\_pwevent.bdy

**Lines of Code:** 683

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