# Design Document for User Story 6002

As a User I would like CPRS/Vista note titles (searchable by title) pulled from Vista and presented in CDS.

## ASP .NET Pages

## ASP .NET User Controls

### ucNoteSelection.ascx.cs

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

Uses Classes: CStatus, CNote, CDataConverter

Uses PL/SQL Procedures: N/A

Uses MDWS Calls: N/A

Lines of Code: 207

public void OnNoteTitleSelect(string strJsonRecord)

* Note title select handler

public void SearchNoteTitles()

* Search note titles

protected void LoadNoteTitleGridPanel(string strSearch)

* load note title grid panel

## ASP .NET Classes

### CNote.cs

Code Type: C# Class

Uses Classes: CMDWSOps, CDataParameterList, CDataSet

Uses PL/SQL Procedures: PCK\_NOTE.GetClinicRS, PCK\_NOTE.GetNoteTitleRS, PCK\_NOTE.GetCosignerRS, PCK\_NOTE.GetPatientAppointmentRS, PCK\_NOTE.GetPatientVisitRS, PCK\_NOTE.GetPatientConsultRS, PCK\_NOTE.GetPatientAdmissionRS

Uses MDWS Calls: N/A

Lines of Code: 209

public CNote()

* US:6005 US:6006 US:6007 US:6047 US:6048 US:6071 constructor

public DataSet GetNoteTitleDS(BaseMaster BaseMstr,

string strSearch)

* Gets all note titles for a site/region

### CMDWSOps.cs

Code Type: C# Class

Uses Classes: CMDWSTransfer, EmrSvcSoapClient, CStatus

Uses PL/SQL Procedures: N/A

Uses MDWS Calls: select, match, connect, disconnect, getVHA, getNoteTitles, getAppointments, getConsultsForPatient, getVisits, getAdmissions, getTeams, getUserSecurityKeys, getSpecialties, getWards, getClinics, getPatientsByTeam, getPatientsBySpecialty, getPatientsByWard, getPatientsByClinic, cprsUserLookup, getPatientsByProvider, login, isValidEsig, writeNote, signNote, closeNote, getNotesWithText, getLabTests

Lines of Code: 585

protected CStatus GetNextNoteTitleTarget(TaggedTextArray tta, out string strTarget)

* protected helper to get the next note title target

public CStatus TransferNoteTitles(string strMatch)

* gets note titles from MDWS and transfers them to the db

### CMDWSTransfer.cs

Code Type: C# Class

Uses Classes: CPatientDataItemXfer, CPatientDataXfer, CStatus, EmrSvcSoapClient, CDataParameterList, CDataSet, CSiteDataXfer, CPatientItemDataItem, CPatientItemComponentDataItem, CItemComponentData, CPatientItemCompList, CPatientChecklistLogic, CLabDataXfer, CTeamDataXfer, CNoteTitleDataXfer, CSpecialtyDataXfer, CClinicDataXfer, CPatientApptItemXfer, CPatientApptXfer, CPatientVisitItemXfer, CPatientVisitXfer, CPatientAdmissionItemXfer, CPatientAdmissionXfer, CPatientConsultItemXfer, CPatientConsultXfer, CWardDataXfer, CSecurityKeyDataXfer, CUserDataXfer

Uses PL/SQL Procedures: PCK\_MDWS.GetMDWSPatientRS

Uses MDWS Calls: select, getUnsignedNotes, getNotesWithText, getChemHemReports, getLabTestDescription, isConsultNote

Lines of Code: 951

public CStatus TransferNoteTitles(TaggedTextArray tta,

string strTarget)

* Transfer MDWS note tiles to our db

### CNoteTitleDataXfer.cs

Code Type: C# Class

Uses Classes: CStatus, CDataParameterList

Uses PL/SQL Procedures: PCK\_XFER.XferNoteTitle

Uses MDWS Calls: N/A

Lines of Code: 25

public CNoteTitleDataXfer(CData data)

: base(data)

* constructor

public CStatus SaveNoteTitle(long lXferSystemID,

long lNoteTitleTag,

string strNoteTitleLabel,

long lIsConsult)

* save a MDWS note title to the central database

## C++ Classes

N/A

## Oracle PL/SQL

### pck\_note.bdy

Uses Tables: FX\_USER, FX\_USER\_ID, UTL\_CLINIC, UTL\_NOTE\_TITLE

Lines of Code: 276

procedure GetCosignerRS (

pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_nRegionID in number,

pi\_nSiteID in number,

pi\_vSearch in varchar2,

po\_nStatusCode out number,

po\_vStatusComment out varchar2,

rs out RetRefCursor

)

* Description: Gets all cosigners for a site/region

procedure GetClinicRS (

pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_nRegionID in number,

pi\_nSiteID in number,

pi\_vSearch in varchar2,

po\_nStatusCode out number,

po\_vStatusComment out varchar2,

rs out RetRefCursor

)

* Description: Gets all clinics for a site/region

procedure GetNoteTitleRS (

pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_nRegionID in number,

pi\_nSiteID in number,

pi\_vSearch in varchar2,

po\_nStatusCode out number,

po\_vStatusComment out varchar2,

rs out RetRefCursor

)

* Description: Gets all note titles for a site/region

procedure GetPatientAppointmentRS (

pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_nRegionID in number,

pi\_nSiteID in number,

pi\_vDFN in varchar2,

pi\_dtFrom in date,

pi\_dtTo in date,

po\_nStatusCode out number,

po\_vStatusComment out varchar2,

rs out RetRefCursor

)

* Description: Gets all patient appointments for a site/region/dfn

procedure GetPatientVisitRS (

pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_nRegionID in number,

pi\_nSiteID in number,

pi\_vDFN in varchar2,

pi\_dtFrom in date,

pi\_dtTo in date,

po\_nStatusCode out number,

po\_vStatusComment out varchar2,

rs out RetRefCursor

)

* Description: Gets all patient visits for a site/region/dfn

procedure GetPatientConsultRS (

pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_nRegionID in number,

pi\_nSiteID in number,

pi\_vDFN in varchar2,

pi\_dtFrom in date,

pi\_dtTo in date,

po\_nStatusCode out number,

po\_vStatusComment out varchar2,

rs out RetRefCursor

)

* Description: Gets all patient consults for a site/region/dfn

procedure GetPatientAdmissionRS (

pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_nRegionID in number,

pi\_nSiteID in number,

pi\_vDFN in varchar2,

pi\_dtFrom in date,

pi\_dtTo in date,

po\_nStatusCode out number,

po\_vStatusComment out varchar2,

rs out RetRefCursor

)

* Description: Gets all patient admissions for a site/region/dfn

### pck\_xfer.bdy

Uses Tables: UTL\_CLINIC, UTL\_NOTE\_TITLE, UTL\_REGION, UTL\_SITE, FX\_USER, FX\_USER\_ID, UTL\_ENCSTR

Lines of Code: 864

procedure XferPatientVisit(

pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_nXferSystemID in number,

pi\_nRegionID in number,

pi\_nSiteID in number,

pi\_vDFN in varchar2,

pi\_vVisitID in number,

pi\_nVisitLocationID in number,

pi\_vVisitLocationName in varchar2,

pi\_vVisitTimeStamp in varchar2,

pi\_vVisitStatus in varchar2,

pi\_vVisitType in varchar2,

po\_nStatusCode out number,

po\_vStatusComment out varchar2)

* transfer a patient admission to the central database

procedure XferPatientAdmission(

pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_nXferSystemID in number,

pi\_nRegionID in number,

pi\_nSiteID in number,

pi\_vDFN in varchar2,

pi\_nAdmitLocationID in number,

pi\_vAdmitLocationName in varchar2,

pi\_vAdmitType in varchar2,

pi\_vAdmitTimeStamp in varchar2,

pi\_vDischargeTimeStamp in varchar2,

po\_nStatusCode out number,

po\_vStatusComment out varchar2)

* transfer a patient admission to the central database

procedure XferPatientConsult(

pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_nXferSystemID in number,

pi\_nRegionID in number,

pi\_nSiteID in number,

pi\_vDFN in varchar2,

pi\_vConsultID in varchar2,

pi\_vConsultTimeStamp in varchar2,

pi\_vConsultStatus in varchar2,

pi\_vConsultTitle in varchar2,

pi\_vConsultText in varchar2,

po\_nStatusCode out number,

po\_vStatusComment out varchar2)

* transfers a patient consult to the central database

procedure XferPatientAppointment(

pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_nXferSystemID in number,

pi\_nRegionID in number,

pi\_nSiteID in number,

pi\_vAppointmentID in varchar2,

pi\_vDFN in varchar2,

pi\_nApptClinicID in number,

pi\_nApptSiteID in number,

pi\_vApptCurrentStatus in varchar2,

pi\_vApptPurpose in varchar2,

pi\_vApptStatus in varchar2,

pi\_vApptText in varchar2,

pi\_vApptTimeStamp in varchar2,

pi\_vApptTitle in varchar2,

pi\_vApptType in varchar2,

pi\_vApptVisitID in varchar2,

po\_nStatusCode out number,

po\_vStatusComment out varchar2)

* transfers a patient appointment to the database

procedure XferClinic(

pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_nXferSystemID in number,

pi\_nRegionID in number,

pi\_nSiteID in number,

pi\_nClinicID in number,

pi\_vClinicLabel in varchar2,

po\_nStatusCode out number,

po\_vStatusComment out varchar2)

* transfers a clinic to the database

procedure XferNoteTitle(

pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_nXferSystemID in number,

pi\_nRegionID in number,

pi\_nSiteID in number,

pi\_nNoteTitleTag in number,

pi\_vNoteTitleLabel in varchar2,

pi\_nIsConsult in number,

po\_nStatusCode out number,

po\_vStatusComment out varchar2)

* Transfers a note title from an external source such as MDWS to the database

procedure XferRegion(

pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_nXferSystemID in number,

pi\_nRegionID in number,

pi\_vRegionName in varchar2,

po\_nStatusCode out number,

po\_vStatusComment out varchar2)

* Transfers a region from an external source such as MDWS to the database

procedure XferSite(

pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_nXferSystemID in number,

pi\_nRegionID in number,

pi\_nSiteID in number,

pi\_vSiteName in varchar2,

po\_nStatusCode out number,

po\_vStatusComment out varchar2)

* Transfers a site from an external source such as MDWS to the database

procedure XferUser(

pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_nXferSystemID in number,

pi\_vDUZ in varchar2,

pi\_vLastName in varchar2,

pi\_vFirstName in varchar2,

pi\_vFirstLastName in varchar2,

pi\_vGreeting in varchar2,

pi\_vTitle in varchar2,

pi\_nRegionID in number,

pi\_nSiteID in number,

pi\_vUserClass in varchar2,

po\_nUserID out number,

po\_nStatusCode out number,

po\_vStatusComment out varchar2)

* Transfers a user from an external source such as MDWS to the database

procedure XferPatient ( pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_nXferSystemID in number,

pi\_vKey in varchar2,

pi\_nRegionID in number,

pi\_nSiteID in number,

pi\_vMDWSPatientID in varchar2,

pi\_vSSN in varchar2,

pi\_dtDOB in date,

pi\_vFirstName in varchar2,

pi\_vFullName in varchar2,

pi\_vLastName in varchar2,

pi\_vMI in varchar2,

pi\_nSex in number,

pi\_vHomeAddr1 in varchar2,

pi\_vHomeAddr2 in varchar2,

pi\_vHomeCity in varchar2,

pi\_vHomeState in varchar2,

pi\_vHomeZip in varchar2,

pi\_vHomePhone in varchar2,

po\_vPatientID out varchar2,

po\_nStatusCode out number,

po\_vStatusComment out varchar2

)

* Transfers a patient from an external source such as MDWS to the database