# Design Document for Task 5349

## As a user I want to lookup patients from MDWS by last name and last initial/last 4 of ssn.

## ASP .NET Pages

N/A

## ASP .NET User Controls

### ucPatLookup.ascx.cs

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

Uses Classes: CDataUtils, CPatient, CMDWSUtils, CMDWSOps

Uses PL/SQL Procedures: N/A

Uses MDWS Calls: N/A

Lines of Code: 100

* protected void Page\_Load(object sender, EventArgs e)
  + page load
* protected void btnPopupPatlookupSearch\_Click(object sender, EventArgs e)
  + user clicked the search button
* public void ClearPatLookup(object sender, EventArgs e)
  + clear patient lookup
* public void ShowLookupMesage()
  + show patient lookup message
* protected bool MDWSPatientXfer(long lMatchType, string strSearch)
  + transfer patients from MDWS to the central db

## ASP .NET Classes

### MasterPage.master.cs

Code Type: C# Class

Uses Classes: CUser, CDataUtils, CTreatment, DataSet, CSystemSettings, CPatient, CAppMenu, CUserAdmin, CPatientLock, CMessages, CEncounter

Uses PL/SQL Procedures: N/A

Uses MDWS Calls: N/A

Lines of Code: 293

* protected void Page\_Load(object sender, EventArgs e)
  + page load
* public void LookupPatient(string strPatientID)
  + US:5729 US:5716 public method to lookup a patient by patient id

### CMDWSOps.cs

Code Type: C# Class

Uses Classes: CStatus, CMDWSTransfer, EmrSvcSoapClient, CAppUser

Uses PL/SQL Procedures: N/A

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

Lines of Code: 492

* public CStatus TransferMatchPatients(string strkey,

long lMatchType,

string strMatch,

out long lCount)

* + US:5729 tranfer MDWS patients that match criteria

### CMDWSTransfer.cs

Code Type: C# Class

Uses Classes: CPatientDataItemXfer, CPatientDataXfer, CStatus, EmrSvcSoapClient, CDataParameterList, CDataSet, CSiteDataXfer, CPatientItemDataItem, CPatientItemComponentDataItem, CItemComponentData, CPatientItemCompList, CPatientChecklistLogic, CLabDataXfer, CTeamDataXfer, CNoteTitleDataXfer, CSpecialtyDataXfer, CWardDataXfer, CSecurityKeyDataXfer, CClinicDataXfer, CUserDataXfer

Uses PL/SQL Procedures: PCK\_MDWS.GetMDWSPatientRS

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

Lines of Code: 822

* public CStatus TransferPatient(HttpSessionState WebSession,

string strKey,

long lMatchType,

string strMatch,

PatientTO toPatient)

* + US:5729 Transfers 1 patient and adds the patient to a team, ward etc... as needed

public CStatus TransferPatientArray(HttpSessionState WebSession,

TaggedPatientArray tpa,

string strKey,

long lMatchType, //1=lastname, 2=LSSN

string strMatch,

out long lCount)

* + US:5729 Transfers a patient array to our db

## CPatientDataXfer.cs

Code Type: C# Class

Uses Classes: CStatus, CDataConnection, CDataParameterList, CDataSet, CPatientDataXfer, CMDWSOps, CPatientDataItemXfer

Uses PL/SQL Procedures: PCK\_XFER.XferPatient, PCK\_PATIENT.SavePatient, PCK\_PATIENT.GetPatientSearchRS, PCK\_PATIENT.GetMultiPatientSearchRS, PCK\_PATIENT.GetMultiPatientPatCLIDSearchRS, PCK\_PATIENT.GetUserPatientsRS, PCK\_PATIENT.GetPatientIDRS, PCK\_PATIENT.GetPatItemCompsByPatCLIDRS, PCK\_PATIENT.GetPatItemsByPatCLIDRS, PCK\_PATIENT.GetItemCompStateByPKey

Uses MDWS Calls: N/A

Lines of Code: 281

* public CPatientDataXfer(CData data)

: base(data)

* + US:5729 constructor
* public CStatus SavePatient( long lXferSystemID,

string strKey,

System.Web.SessionState.HttpSessionState WebSession,

CPatientDataItemXfer pdi,

out string strPatientID)

* + US:5729 saves a loaded patient to the database.

## Oracle PL/SQL

### pck\_xfer.bdy

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

Lines of Code: 411

* 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\_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

### pck\_patient.bdy

Uses Tables: UTL\_DECSTR, FX\_USER\_ID, UTL\_ENCSTR, STAT\_GENDER, STAT\_DIMS\_BASE

Lines of Code: 1341

* procedure GetPatientLookupRS(pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_vKey in varchar2,

pi\_nSelectedCases in number,

pi\_nSearchType in number,

pi\_vSearchValue in varchar2,

po\_nStatusCode out number,

po\_vStatusComment out varchar2,

rs out RetRefCursor)

* + get a record set of patients back that match criteria