# Design Document for User Story 5768

## As a user I want to display instruments on the screen in a consistent way.

## ASP .NET Pages

### get\_instrument.aspx.cs

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

Uses Classes: CQuestionnaire, XmlDocument

Uses PL/SQL Procedures: N/A

Uses MDWS Calls: N/A

Lines of Code: 72

* protected void GetQuestionnaire(long lMID)
  + Render the questionnaire for the passed in module from a XML string
* protected void btnSubmitInstrument\_Click(object sender, EventArgs e)
  + Iterates the submitted responses and load the necessary variables to write to DB and calculate scores.

## ASP .NET User Controls

N/A

## ASP .NET Classes

### CQuestionnaire.cs

Code Type: C# Class

Uses Classes: CDataParameterList, CDataSet

Uses PL/SQL Procedures: PCK\_QUESTIONNAIRES.GetModuleRS, PCK\_QUESTIONNAIRES.GetModuleTopicRS, PCK\_QUESTIONNAIRES.GetQuestionRS, PCK\_QUESTIONNAIRES.GetResponseRS, PCK\_QUESTIONNAIRES.GetStatData, PCK\_QUESTIONNAIRES.GetSkipPatternRS, PCK\_QUESTIONNAIRES.GetMaskRS

Uses MDWS Calls: N/A

Lines of Code: 261

* public DataSet GetModuleDS(long lMID)
  + Gets a dataset from INTAKE\_MODULE table for the passed in module id
* public DataSet GetModuleTopicDS(long lMID)
  + Gets a dataset from INTAKE\_TOPIC table for the passed in module id
* public DataSet GetQuestionDS(long lMID, long lTID)
  + Gets a questions dataset from INTAKE\_QUESTION table for the passed in module id, topic id
* public DataSet GetResponseDS(long lMID, long lTID, long lQID)
  + Gets a responses dataset from INTAKE\_QUESTION table for the passed in module id, topic id and question id
* public DataSet GetStaticDataDS(long lMID, long lTID, long lQID, long lRID)
  + Gets a dataset used to populate combo boxes (display\_type = 4)
* public string GetQuestionnaire(long lMID)
  + Combines the dataset for modules, topics, questions, responses then build and returns a nested XML string with all the instrument's data
* public DataSet GetSkipPatternDS(long lMID)
  + Gets a dataset for the responses that contains skip rules
* public string GetSkipPattern(long lMID)
  + Builds a JSON string for the skip patterns to be followed in the instrument
* public DataSet GetMaskDS(long lMID)
  + Gets a dataset for the textbox responses that have an input mask
* public string GetMask(long lMID)
  + Builds a JSON string for the input masks to be applied to the textbox controls

## C++ Classes

N/A

## Oracle PL/SQL

### pck\_questionnaires.bdy

Uses Tables: N/A

Lines of Code: 197

* procedure GetModuleRS(pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_nMID in number,

po\_nStatusCode out number,

po\_vStatusComment out varchar2,

rs out RetRefCursor)

* + Gets and returns a recordset from INTAKE\_MODULE for the passed in module id.
* procedure GetModuleTopicRS(pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_nMID in number,

po\_nStatusCode out number,

po\_vStatusComment out varchar2,

rs out RetRefCursor)

* + Gets and returns a recordset from INTAKE\_TOPIC for the passed in module id.
* procedure GetQuestionRS(pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_nMID in number,

pi\_nTID in number,

po\_nStatusCode out number,

po\_vStatusComment out varchar2,

rs out RetRefCursor)

* + Gets and returns a recordset of questions from INTAKE\_QUESTION for the passed in module id, topic id.
* procedure GetResponseRS(pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_nMID in number,

pi\_nTID in number,

pi\_nQID in number,

po\_nStatusCode out number,

po\_vStatusComment out varchar2,

rs out RetRefCursor)

* + Gets and returns a recordset of responses from INTAKE\_RESPONSE for the passed in module id, topic id, question id.
* procedure GetSkipPatternRS(pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_nMID in number,

po\_nStatusCode out number,

po\_vStatusComment out varchar2,

rs out RetRefCursor)

* + Gets and returns a recordset of responses that have skip rules for the passed in module id.
* procedure GetMaskRS(pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_nMID in number,

po\_nStatusCode out number,

po\_vStatusComment out varchar2,

rs out RetRefCursor)

* + Gets and returns a recordset of responses (textboxes) that have masks for the passed in module id.
* procedure GetStatData(pi\_vSessionID in varchar2,

pi\_vSessionClientIP in varchar2,

pi\_nUserID in number,

pi\_nMID in number,

pi\_nTID in number,

pi\_nQID in number,

pi\_nRID in number,

po\_nStatusCode out number,

po\_vStatusComment out varchar2,

rs out RetRefCursor)

* + Gets and returns a recordset from intake\_static\_data table to populate responses of type combo