Exercise 05 Client Server Setup PART 1

Create a new ASP.NET Web Application (.NET Framework) project, name it and the solution “WebAppFSIS”.

FSIS Client-Server Entity Query/Insert

**C#**

Modify your Visual Studio solution from your previous exercise to add a web form which will:

1. to lookup and display a Player record and
2. add a Player record to the database.

Add an appropriate sitemapnode to your menu and an anchor tag to your ExercisePages default page to point to your new web form.

Create the following:

* BLL
  + Create the PlayerController, TeamController and GuardianController BLL Classes (if not already done)
  + Create the following method in the appropriate TeamController BLL Classes (if not already done)
    - Team\_List() which will return a List<T> containing all the Team records
  + Create the following method in the appropriate GuardianController BLL Classes
    - Guardian\_List() which will return a List<T> containing all the Guardian records
  + Create the following methods for the PlayerController
    - Player\_List() which will return a List<T> containing all the Player records
    - Player\_Find(int playerid) which will return a single Player record matching the input parameter
    - Player\_Add(Player Item) which will add a new Player record to the Player table in the database
* Web Form
  + Create your Player web form which will
    - Display all the Player records in a drop down list showing the Player full name. This must be done with code-behind
    - Using the selected player, display all data for that player in individual asp.net web controls
    - For the Team and Guardian data, use a drop down list showing the Team name or Guardian full name for the foreign key data. This may be done using either code-behind or ODS.
    - For the Gender, use an appropriate control to limit the possible display values.
    - Use three submit buttons: one to lookup the team; one to reset (clear) the web controls, and submit button on the form for adding the Player
    - Add the following client side validation
      * Required field(s): FirstName, LastName, Age, Alberta Health Care Number
      * Age of players is between 6 and 14
      * Alberta Health Care Number is 10 digits, first digit starts with 1-9
  + Adding the player record must be done programmatically in your code-behind.
  + Server side validation of Team, Guardian and Gender fields indicating selections made (fields are required)
  + Appropriate messages to the user
  + User Friendly error handling with Try/Catch
  + Refresh the drop down list must be done on a successful add.
  + Display the new Player ID if the add was successful.

*Checking Guide*

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| **✓** | **Item** |
|  | Required BLL classes and methods have been created |
|  | Web Form is created with appropriate controls for data fields. Controls have appropriate ID names. Web Form has a user-friendly layout. |
|  | Web Form DropDownLists obtains the data is programmatically loaded. A prompt line has been placed in the control. |
|  | Web Form Reset (Clear) submit empties the individual web controls. |
|  | Web Form Lookup submit ensures that the user has selected a player to look up or issues an appropriate message. |
|  | Web Form Lookup submit correctly performs a look up of a single item in the database using the BLL Player controller class. |
|  | Web Form Lookup submit correctly populates/positions the player individual web controls using the single found player record. |
|  | Web Form Lookup submit correctly display a message if a record is not found. DropDownList is refreshed and positioned on the prompt. |
|  | Web Form contains appropriate validation/summary controls. Controls have appropriate ID names. |
|  | Validation Controls have been properly set up and work correctly. |
|  | Validation Controls have appropriate user messages. |
|  | Web Form Add submit correctly performs an insert of a new Player record into the database using the BLL Player controller class. |
|  | Appropriate success message is display on the Add. |
|  | Web Form refreshes and positions the search list after a successful insert. |
|  | Web Form has appropriate user-friendly error handling. |