SUMMER 2024

Subject: PRN212

**INSTRUCTIONS**

**Please read the instructions carefully before doing the questions.**

* You are NOT allowed to use any other materials. You are NOT allowed to use any device to share data with others.
* You must use IDE as Visual Studio 2019 or later, MSSQL Server 2016 or later database for your development tools.

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1. Design Login Window includes UI controls for login function

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1. Design Football Player Management window/page, this window/page includes UI controls for CRUD actions with football player information. Note: The FootballTeamID/TeamTitle will come from the **FootballTeam** table. Design a window which allows you to view the list of records, create a new item, update the existing item, and delete a specific item

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1. Authentication function

If user with a Manager and Staff role logs in successfully (using email address/password for login process), save this information to a temporary parameter. All CRUD actions are required authentication. In the case login unsuccessfully, display "You have no permission to access this function!".

* All CRUD actions are required with Manager role,
* Staff role is required for only Read action.

1. Check if login successfully with Manager and Staff role, list all items in **FootballPlayer** table (each record includes information of football players and TeamTitle).
2. Check if login successfully with Manager role, search football player information by Achivements or PlayerName (using relative search).
3. Check if login successfully with Manager role, delete the selected item with the confirmation then update the list of items.
4. Check if login successfully with Manager role, add new item with the requirements:

* The FootballTeamID/TeamTittle will come from the FootballTeam table (you can use ComboBox UI
* Birthday <= 01/01/2004
* Value for TeamTitle (the title of the Team) is in the range of 3100 characters. Each word of the TeamTitle must begin with the capital letter or digits (19). TeamTitle is not allowed with special characters.

1. Check if login successfully with Manager role, update an existing item.

* You can use your different window/page or use the data grid view for this update function (update by FootballTeamID).
* With update function, the same validation requirements with Add function.