

PeopleSearch

Technologies used

- **Backend:** ASP.NET MVC
- **Backend:** Entity Framework, SqlServer Express
- **UI:** JQuery and Ajax, html5, css & bootstrap
- **Testing:** Moq
- **IDE:** Visual Studio 2015 Community

Instructions for running application

There are 4 steps to run this application. Every time you start application, STEP 2 **MUSTNOT** be avoided **even though you have already successfully provided connection string when you ran this application for the last time.** So, please remember connectionString or take a note of it in case you want to use your old connectionString or database. It is because

- I did not to update web.config on the fly as Visual Studio asks user to whether save changes in web-config through a dialog box. Hence, I keep web config. file updated just in the memory with the user's connectionString.
- I did not want user to open web-config file of the project, look for connection string and then update it.

STEP 1

Launch 'PeopleSoft' project from Visual Studio

STEP 2

Provide connection string on the landing page of application. Use either of following two options:

Option I –

1. Provide configuration values:
 - i. Connection string name will remain as-is. You can't edit. By default, its value is "PersonContext".
 - ii. Provider name string name will remain as-is. You can't edit. By default provider name value is "System.Data.SqlClient". For custom provider name use Option 2.
 - iii. Application loads name of a machine what it is running on.
 - iv. Application lists out all 'SQL Server instances' installed on your machine with the help of Windows registry.
 - i. Select edit checkbox to enter your custom value i.e. in case you decide not to select from the list.
 - v. Provide database name what you want to install with on your database. By default, its value is "person" i.e. a database will be created with "person" name.

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- vi. Integrated Security value will remain as-is. You can't edit it. By default, its value is "True". For custom value of Integrated Security use Option 2.
2. Click on 'Configure SQL Server' button.
3. If connection string validated, you will see successful message on the screen right below the button. And seed data will be loaded in SQL Server.
4. If connection string throws error, you will see error message on the screen right below the button.

Option 2 –

1. Provide configuration values:
 - i. Connection string name will remain as-is. You can't edit. By default, its value is "PersonContext".
 - ii. Enter Provider name. By default provider name value is "System.Data.SqlClient".
 - iii. Provide value for connectionString i.e. enter highlighted value (refer below screen shot) in the 'ConnectionString' textbox. **NOTE** – highlighted value, in the screenshot, is just for the reference, please make sure you provide correct connection string for your machine.

```
add_name="PersonContext" connectionString="Data Source=LE\\SQLEXPRESS;Database=person;Integrated Security=True" providerName="System.Data.SqlClient" />
```

2. Click on 'Configure SQL Server' button.
3. If connection string validated, you will see successful message on the screen right below the button. And seed data will be loaded in SQL Server.
4. If connection string throws error, you will see error message on the screen right below the button.

After successfully configuring connection string, seed data (8 records) would have been inserted in database. Records in DB would look something like below:

	Id	FirstName	LastName	DateOfBirth	Address	Hobbies	Image
1	1	Albert	Einstein	1934-10-10 00:00:00.000	Washington street, #9001, Cityview at Longwood, ...	Playing music helps with creativity, analytical ski...	0xFFD8FFE132AF4578696600004D4D002A0000008000F01...
2	2	Benjamin	Franklin	1934-10-10 00:00:00.000	Benjamin street, #9001, Cityview at Franklin, Bosto...	Benjamin Franklin's hobbies were reading, ...	0xFFD8FFE103124578696600004D4D002A0000008000601...
3	3	Compton	Tucker	1935-10-10 00:00:00.000	Washington street, #9001, Cityview at Longwood, ...	Dr. Tucker like studying the earth with satel...	0xFFD8FFE000104A46494600010201012C012C0000FFE117...
4	4	Marie	Curie	1867-09-07 00:00:00.000	Washington street, #9001, Cityview at Longwood, ...	efore completing her master's mathematics ...	0xFFD8FFE000104A46494600010100000100010000FFE20C5...
5	5	Raymond	Davis	1914-10-14 00:00:00.000	Raymond street, #9001, Cityview at Davis, Boston, ...	Davis reports that he was asked "to find so...	0xFFD8FFE1003645786966000049492A0008000000100988...
6	6	Rosalind	Franklin	1920-07-25 00:00:00.000	Washington street, #9001, Chepstow Villas, Notting...	From early childhood, Franklin showed exc...	0xFFD8FFE000104A46494600010101006400640000FFE20C5...
7	7	Stephen	Hawking	1942-01-08 00:00:00.000	Stephen street, #9001, Oxford, England	For his communication, Hawking initially rai...	0xFFD8FFE1006045786966000049492A0008000000100988...
8	8	Vint	Cerf	1943-06-23 00:00:00.000	Stephen street, #9001, Oxford, England	n the early days, Cerf was a manager for th...	0xFFD8FFE000104A46494600010100000100010000FFE141B...

STEP 3 (you can skip this step if you want to register a person first.)

Navigate to 'Search' link available in navigation bar i.e. on the top-right' corner of the page. [You can also REGISTER (STEP 4), a person, using 'Register' link before this step]. Please refer following instructions below to search a person or persons:

1. Enter first name or last name.
2. Press ENTER key from your keyboard, or click on search icon.

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STEP 4

Navigate to 'Register' link available in navigation bar i.e. on the top-right' corner of the page.
Please refer following instructions below to register a user:

1. Enter first name [MANDATORY]
2. Enter last name, you can skip this if you want.
3. Enter address, you can skip this if you want.
4. Enter hobbies, you can skip this if you want.
5. Select Gender.
6. Enter date in mm/dd/yyyy format. Date must not be greater than today's date. [A calendar will pop up in Google chrome, and Microsoft Browser].
7. Attach an image, you can skip this if you want.
8. Click on 'Search' button.