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| **Entity Framework** |

Creating a **CurrencyModel.edmx** application

In this exercise, you’ll configure an entity Model file application which is bound to the Currency table of the AdventureWorks Database.

1. Create a new Windows Forms Application project named **EntityFramework**. When Solution Explorer opens, save the solution.
2. Add a new Item by right click over the project name in the solution explorer as

1.tif

1. Then select ADO.NET Entity Data Modal from the list and choose a project name as **CurrencyModel.edmx** as:

2.tif

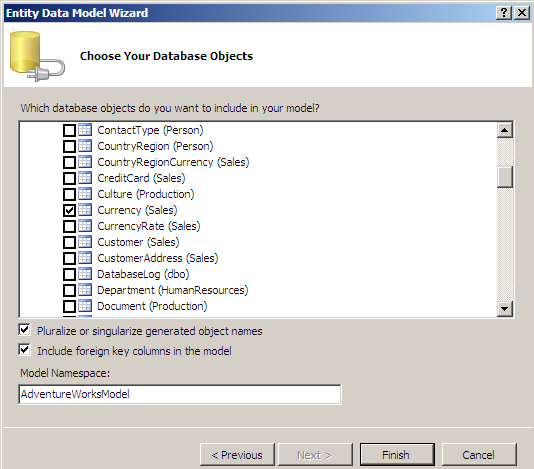
1. Once you click **Add** button in the previous step, a new dialog box appears as here choose **Next**.

3.tif

1. Here choose a name for this entity as **AdventureWorksCurrencyEntities** and Now create a new connection from AdeventureWorks database and then click Next as.

4.tif

1. After that all the tables from AdventureWorks database will populated and you select only Currency table and finally click Finish as:



Creating a **PublishCurrency** application

In this exercise, you’ll create a Windows Forms Application having one Text Box. The application will Display Name,CurrecyCode and ModifiedDate of the Currency Table in the TextBox control via Linq manipulation.

1. Add a new Form named to PublishCurrency by right clicking over the EntityFramework project from the Solution Explorer.

***Adding controls on* Form *for Publish activity***

1. Drag a Text Box control onto the form, and position it at towards the Middle of the Form. Select this Text Box and navigate to the Properties window, and set following properties:
   * Name property to txtCurrency.
   * Size property, Set Width to ‘518’ and Height to ‘247’.
   * Location property, Set X to ‘28’ and Y to ‘25’.
   * Multiline Property to True.

Creating a **AddCurrency** application

In this exercise, you’ll create a Windows Forms Application having two TextBoxes, two Labels and single Buttoncontrol. The application will insert a new row in the Currency table via Linq manipulation.

1. Add a new Form named to AddCurrency by right clicking over the EntityFramework project from the Solution Explorer.

***Adding controls on* Form *for Insert rows activity***

1. Drag a Text Box control onto the form and Select this Text Box and navigate to the Properties window, and set following properties:
   * Name property to txtName.
   * Size property, Set Width to ‘125’ and Height to ‘20’.
   * Location property, Set X to ‘185’ and Y to ‘74’.
2. Drag a Text Box control onto the form and Select this Text Box and navigate to the Properties window, and set following properties:
   * Name property to txtCode.
   * Size property, Set Width to ‘125’ and Height to ‘20’.
   * Location property, Set X to ‘185’ and Y to ‘138’.
3. Drag a Lable control onto the form and Select this Lable and navigate to the Properties window, and set following properties:
   * Name property to lblName.
   * Size property, Set Width to ‘35’ and Height to ‘13’.
   * Location property, Set X to ‘38’ and Y to ‘74’.
   * Text property set to ‘Name’.
4. Drag a Lable control onto the form and Select this Lable and navigate to the Properties window, and set following properties:
   * Name property to txtCode.
   * Size property, Set Width to ‘77’ and Height to ‘13’.
   * Location property, Set X to ‘38’ and Y to ‘145’.
   * Text property set to ‘Currency code’.
5. Drag a Button control onto the form and Select this Button and navigate to the Properties window, and set following properties:
   * Name property to btnAdd.
   * Size property, Set Width to ‘153’ and Height to ‘192’.
   * Location property, Set X to ‘75’ and Y to ‘23’.
   * Text property, Set to “Add”.

Creating a **UpdateCurrency** application

In this exercise, you’ll create a Windows Forms Application having three TextBoxes, four Labels and single Buttoncontrol. The application will update a currency Name column in the Currency table via Linq manipulation.

1. Add a new Form named to UpdateCurrency by right clicking over the EntityFramework project from the Solution Explorer.

***Adding controls on* Form *for Update rows activity***

1. Drag a Text Box control onto the form and Select this Text Box and navigate to the Properties window, and set following properties:
   * Name property to txtCurrency.
   * Size property, Set Width to ‘518’ and Height to ‘197’.
   * Location property, Set X to ‘62’ and Y to ‘53’.
   * Multiline property, Set to ‘True’.
   * ScrollBars property, Set to ‘Vertical’.
2. Drag a Text Box control onto the form and Select this Text Box and navigate to the Properties window, and set following properties:
   * Name property to txtCode.
   * Size property, Set Width to ‘138’ and Height to ‘20’.
   * Location property, Set X to ‘252’ and Y to ‘273’.
   * Text property, Set to ‘ARS’(default value).
3. Drag a Text Box control onto the form and Select this Text Box and navigate to the Properties window, and set following properties:
   * Name property to txtUpdate.
   * Size property, Set Width to ‘138’ and Height to ‘20’.
   * Location property, Set X to ‘252’ and Y to ‘308’.
4. Drag a Label control onto the form and Select this Label and navigate to the Properties window, and set following properties:
   * Name property to lblHeadCode.
   * Size property, Set Width to ‘77’ and Height to ‘13’.
   * Location property, Set X to ‘236’ and Y to ‘22’.
   * Text property set to ‘Currency code’.
5. Drag a Label control onto the form and Select this Label and navigate to the Properties window, and set following properties:
   * Name property to lblHeadName.
   * Size property, Set Width to ‘38’ and Height to ‘13’.
   * Location property, Set X to ‘352’ and Y to ‘22’.
   * Text property set to ‘Name’.
6. Drag a Label control onto the form and Select this Label and navigate to the Properties window, and set following properties:
   * Name property to lblCode.
   * Size property, Set Width to ‘108’ and Height to ‘13’.
   * Location property, Set X to ‘136’ and Y to ‘270’.
   * Text property set to ‘Enter Currency Code’.
7. Drag a Label control onto the form and Select this Label and navigate to the Properties window, and set following properties:
   * Name property to lblName.
   * Size property, Set Width to ‘110’ and Height to ‘13’.
   * Location property, Set X to ‘136’ and Y to ‘311’.
   * Text property set to ‘Enter Updated Name’.
8. Drag a Button control onto the form and Select this Button and navigate to the Properties window, and set following properties:
   * Name property to btnUpdate.
   * Size property, Set Width to ‘97’ and Height to ‘23’.
   * Location property, Set X to ‘408’ and Y to ‘305’.
   * Text property set to ‘Update this’.

Creating a **DeleteCurrency** application

In this exercise, you’ll create a Windows Forms Application having two TextBoxes, four Labels and single Buttoncontrol. The application will delete a particular row in the Currency table as per Currency code via Linq manipulation.

Note: This table having a dependency to other tables so insert a new row by ownself into the Currency table and perform delete activity over this otherwise it will display error.

1. Add a new Form named to DeleteCurrency by right clicking over the EntityFramework project from the Solution Explorer.

***Adding controls on* Form *for Delete rows activity***

1. Drag a Text Box control onto the form and Select this Text Box and navigate to the Properties window, and set following properties:
   * Name property to txtCurrency.
   * Size property, Set Width to ‘488’ and Height to ‘148’.
   * Location property, Set X to ‘12’ and Y to ‘61’.
   * Multiline property, Set to ‘True’.
   * ScrollBars property, Set to ‘Vertical’.
2. Drag a Text Box control onto the form and Select this Text Box and navigate to the Properties window, and set following properties:
   * Name property to txtDelete.
   * Size property, Set Width to ‘138’ and Height to ‘20’.
   * Location property, Set X to ‘212’ and Y to ‘226’.
   * Text property, Set to ‘Name only!’
3. Drag a Label control onto the form and Select this Label and navigate to the Properties window, and set following properties:
   * Name property to lblName.
   * Size property, Set Width to ‘163’ and Height to ‘13’.
   * Location property, Set X to ‘25’ and Y to ‘229’.
   * Text property, Set to ‘Enter Currency Code (for Delete)’.
4. Drag a Label control onto the form and Select this Label and navigate to the Properties window, and set following properties:
   * Name property to lblHeadDate.
   * Size property, Set Width to ‘73’ and Height to ‘13’.
   * Location property, Set X to ‘25’ and Y to ‘35’.
   * Text property, Set to ‘Modified Date’.
5. Drag a Label control onto the form and Select this Label and navigate to the Properties window, and set following properties:
   * Name property to lblHeadCode.
   * Size property, Set Width to ‘77’ and Height to ‘13’.
   * Location property, Set X to ‘167’ and Y to ‘35’.
   * Text property, Set to ‘Currency Code’.
6. Drag a Label control onto the form and Select this Label and navigate to the Properties window, and set following properties:
   * Name property to lblHeadName.
   * Size property, Set Width to ‘35’ and Height to ‘13’.
   * Location property, Set X to ‘294’ and Y to ‘35’.
   * Text property, Set to ‘Name’.
7. Drag a Button control onto the form and Select this Button and navigate to the Properties window, and set following properties:
   * Name property to btnDelete.
   * Size property, Set Width to ‘138’ and Height to ‘20’.
   * Location property, Set X to ‘212’ and Y to ‘226’.
   * Text property set to ‘Delete’.