

# ACTIVITY

## Managing Related Entities in EntityFramework

# Instructions



Use your previous MVC application activity in C# to do the following:

1. Create a PurchaseOrderHeader class in your project (use to the semi-last slide for reference to create the class)
2. Create a PurchaseOrderDetail class in your project (refer to the last slide for reference to create the class)
3. Ensure that a relationship is established between the PurchaseOrderHeadersINV table and the SuppliersINV table from one of the previous activities
4. Ensure that a relationship is established between the PurchaseOrderDetailsINV table and the ProductsINV table from one of the previous activities
5. Ensure that a relationship is established between the PurchaseOrderDetailsINV table and the PurchaseOrderHeadersINV table

# Submission Instructions



1. Create one pdf file that contains the following:
  1. Codes of the Supplier class
  2. Codes of the Product class
  3. Codes of the PurchaseOrderHeader class
  4. Codes of the PurchaseOrderDetail class
  5. Codes of the OnModelCreating method to programmatically create all relationships with a restrictive delete behaviour
2. Save the pdf file as [Section] [Lastname] – EF Migration Relations (i.e., OTIS1 Sy – EF Migration Relations
3. Submit the file in the designated dropbox

# Important Reminders



- Please take note that the database is already available in the online database server. You will therefore, **NOT** create a migration file nor update the existing online database
- Review the Managing Related Entities in EntityFramework Mastery Rubric to understand how you will be graded

# Database Table

Table Name: PurchaseOrderHeadersINV

Field Name	Data Types and Field Specifications
Id	Int – Primary key
Date	DateTime
SupplierId	Int
Status	Nvarchar(50)
DateAdded	DateTime
DateReceived	DateTime

# Database Table

Table Name: PurchaseOrderDetailsINV

Field Name	Data Types and Field Specifications
Id	Int – Primary key
PurchaseOrderHeaderId	Int – Foreign key
ProductId	Int
Qty	Int
Price	Decimal(18, 2)
Amount	Decimal(18, 2)