# Customer

[Key]

public int CustomerId { get; set; }

[Required(ErrorMessage = "The field {0} is required")]

[Range(1, double.MaxValue,ErrorMessage = "You must select a {0}")]

[Display(Name = "Company")]

public int CompanyId { get; set; }

[Required(ErrorMessage = "The field {0} is required")]

[MaxLength(256, ErrorMessage = "The filed {0} must be maximun {1} characters length")]

[Display(Name = "E-Mail")]

[Index("Customer\_UserName\_Index", IsUnique = true)]

[DataType(DataType.EmailAddress)]

public string UserName { get; set; }

[Required(ErrorMessage = "The field {0} is required")]

[MaxLength(50, ErrorMessage = "The filed {0} must be maximun {1} characters length")]

[Display(Name = "First name")]

public string FirstName { get; set; }

[Required(ErrorMessage = "The field {0} is required")]

[MaxLength(50, ErrorMessage = "The filed {0} must be maximun {1} characters length")]

[Display(Name = "Last name")]

public string LastName { get; set; }

[Required(ErrorMessage = "The field {0} is required")]

[MaxLength(20, ErrorMessage = "The filed {0} must be maximun {1} characters length")]

[DataType(DataType.PhoneNumber)]

public string Phone { get; set; }

[Required(ErrorMessage = "The field {0} is required")]

[MaxLength(100, ErrorMessage = "The filed {0} must be maximun {1} characters length")]

public string Address { get; set; }

[Required(ErrorMessage = "The field {0} is required")]

[Range(1, double.MaxValue,ErrorMessage = "You must select a {0}")]

[Display(Name = "Department")]

public int DepartmentId { get; set; }

[Required(ErrorMessage = "The field {0} is required")]

[Range(1, double.MaxValue,ErrorMessage = "You must select a {0}")]

[Display(Name = "City")]

public int CityId { get; set; }

[Display(Name = "Customer")]

public string FullName { get { return string.Format("{0} {1}", FirstName, LastName); } }

public virtual Department Department { get; set; }

public virtual City City { get; set; }

public virtual Company Company { get; set; }

# State

[Key]

public int StateId { get; set; }

[Required(ErrorMessage = "The field {0} is required")]

[MaxLength(50, ErrorMessage = "The filed {0} must be maximun {1} characters length")]

[Display(Name = "State")]

[Index("State\_Description\_Index", IsUnique = true)]

public string Description { get; set; }

# Order

[Key]

public int OrderId { get; set; }

[Required(ErrorMessage = "The field {0} is required")]

[Range(1, double.MaxValue, ErrorMessage = "You must select a {0}")]

[Display(Name = "Customer")]

public int CustomerId { get; set; }

[Required(ErrorMessage = "The field {0} is required")]

[Range(1, double.MaxValue, ErrorMessage = "You must select a {0}")]

[Display(Name = "State")]

public int StateId { get; set; }

[Required(ErrorMessage = "The field {0} is required")]

[DataType(DataType.Date)]

[DisplayFormat(DataFormatString = "{0:yyyy-MM-dd}", ApplyFormatInEditMode = true)]

public DateTime Date { get; set; }

[DataType(DataType.MultilineText)]

public string Remarks { get; set; }

public virtual Customer Customer { get; set; }

public virtual State State { get; set; }

# OrderDetail

[Key]

public int OrderDetailId { get; set; }

[Required(ErrorMessage = "The field {0} is required")]

public int OrderId { get; set; }

[Required(ErrorMessage = "The field {0} is required")]

public int ProductId { get; set; }

[Required(ErrorMessage = "The field {0} is required")]

[MaxLength(100, ErrorMessage = "The filed {0} must be maximun {1} characters length")]

[Display(Name = "Product")]

public string Description { get; set; }

[Required(ErrorMessage = "The field {0} is required")]

[Range(0, double.MaxValue, ErrorMessage = "The {0} must be between {1} and {2}")]

[Display(Name = "Tax rate")]

public double TaxRate { get; set; }

[Required(ErrorMessage = "The field {0} is required")]

[DisplayFormat(DataFormatString = "{0:C2}", ApplyFormatInEditMode = false)]

[Range(0, double.MaxValue, ErrorMessage = "You must enter values in {0} between {1} and {2}")]

public decimal Price { get; set; }

[Required(ErrorMessage = "The field {0} is required")]

[DisplayFormat(DataFormatString = "{0:C2}", ApplyFormatInEditMode = false)]

[Range(0, double.MaxValue, ErrorMessage = "You must enter values in {0} between {1} and {2}")]

public double Quantity { get; set; }

public virtual Order Order { get; set; }

public virtual Product Product { get; set; }

# OrderDetailTmp

[Key]

public int OrderDetailTmpId { get; set; }

[Required(ErrorMessage = "The field {0} is required")]

[MaxLength(256, ErrorMessage = "The filed {0} must be maximun {1} characters length")]

public string UserName { get; set; }

[Required(ErrorMessage = "The field {0} is required")]

public int ProductId { get; set; }

[Required(ErrorMessage = "The field {0} is required")]

[MaxLength(100, ErrorMessage = "The filed {0} must be maximun {1} characters length")]

[Display(Name = "Product")]

public string Description { get; set; }

[Required(ErrorMessage = "The field {0} is required")]

[Range(0, double.MaxValue, ErrorMessage = "The {0} must be between {1} and {2}")]

[Display(Name = "Tax rate")]

public double TaxRate { get; set; }

[Required(ErrorMessage = "The field {0} is required")]

[DisplayFormat(DataFormatString = "{0:C2}", ApplyFormatInEditMode = false)]

[Range(0, double.MaxValue, ErrorMessage = "You must enter values in {0} between {1} and {2}")]

public decimal Price { get; set; }

[Required(ErrorMessage = "The field {0} is required")]

[DisplayFormat(DataFormatString = "{0:N2}", ApplyFormatInEditMode = false)]

[Range(0, double.MaxValue, ErrorMessage = "You must enter values in {0} between {1} and {2}")]

public double Quantity { get; set; }

[DisplayFormat(DataFormatString = "{0:C2}", ApplyFormatInEditMode = false)]

public decimal Value { get { return Price \* (decimal)Quantity; } }

public virtual Product Product { get; set; }

# NewOrderView

[Required(ErrorMessage = "The field {0} is required")]

[Range(1, double.MaxValue, ErrorMessage = "You must select a {0}")]

[Display(Name = "Customer")]

public int CustomerId { get; set; }

[Required(ErrorMessage = "The field {0} is required")]

[DataType(DataType.Date)]

[DisplayFormat(DataFormatString = "{0:yyyy-MM-dd}", ApplyFormatInEditMode = true)]

public DateTime Date { get; set; }

[DataType(DataType.MultilineText)]

public string Remarks { get; set; }

public List<OrderDetailTmp> Details { get; set; }

[DisplayFormat(DataFormatString = "{0:N2}", ApplyFormatInEditMode = false)]

public double TotalQuantity { get { return Details == null ? 0 : Details.Sum(d => d.Quantity); } }

[DisplayFormat(DataFormatString = "{0:N2}", ApplyFormatInEditMode = false)]

public decimal TotalValue { get { return Details == null ? 0 : Details.Sum(d => d.Value); } }

# AddProductView

[Required(ErrorMessage = "The field {0} is required")]

[Range(1, double.MaxValue, ErrorMessage = "You must select a {0}")]

[Display(Name = "Product")]

public int ProductId { get; set; }

[Required(ErrorMessage = "The field {0} is required")]

[DisplayFormat(DataFormatString = "{0:C2}", ApplyFormatInEditMode = false)]

[Range(0, double.MaxValue, ErrorMessage = "You must enter values in {0} between {1} and {2}")]

public double Quantity { get; set; }