CowboyCafe.Data
TrailBurger
+Price:double <<get>> {override}
+Calories:uint <<get>> {override}
+Bun:bool <<get, set>> = true
+Ketchup:bool <<get, set>> = true
+Mustard:bool <<get, set>> = true
+Pickle:bool <<get, set>> = true
+Cheese:bool <<get, set>> = true
+SpecialInstructions:List<string> <<get>> {override}
+<<event>>PropertyChanged:PropertyChangedEventHandler {override}
+ToString():string {override}
<<abstract>>
Entree
+Price:double <<get>> {virtual}
+Calories:uint <<get>> {virtual}
+SpecialInstructions:List<string> <<get>> {virtual}
+<<event>>PropertyChanged:PropertyChangedEventHandler {abstract}
AngryChicken
+Bread:bool <<get, set>>
+Pickle:bool <<get, set>> = true
+Price:double <<get>> {override}
+Calories:uint <<get>> {override}
+SpecialInstructions:List<string> <<get>> {override}
+<<event>>PropertyChanged:PropertyChangedEventHandler {override}
+ToString():string {override}
RustlersRibs
+Price:double <<get>> {override}
+Calories:uint <<get>> {override}
+SpecialInstructions:List<string> <<get>> {override}
+<<event>>PropertyChanged:PropertyChangedEventHandler {override}
+ToString():string {override}
DakotaDoubleBurger
+Price:double <<get>> {override}
+Calories:uint <<get>> {override}
+Bun:bool <<get, set>> = true
+Ketchup:bool <<get, set>> = true
+Mustard:bool <<get, set>> = true
+Pickle:bool <<get, set>> = true
+Cheese:bool <<get, set>> = true
+Tomato:bool <<get, set>> = true
+Lettuce:bool <<get, set>> = true
+Mayo:bool <<get, set>> = true
+SpecialInstructions:List<string> <<get>> {override}
+<<event>>PropertyChanged:PropertyChangedEventHandler {override}
+ToString():string {override}
TexasTripleBurger
+Price:double <<get>> {override}
+Calories:uint <<get>> {override}
+Bun:bool <<get, set>> = true
+Ketchup:bool <<get, set>> = true
+Mustard:bool <<get, set>> = true
+Pickle:bool <<get, set>> = true
+Cheese:bool <<get, set>> = true
+Tomato:bool <<get, set>> = true
+Lettuce:bool <<get, set>> = true
+Mayo:bool <<get, set>> = true
+Bacon:bool <<get, set>> = true
+Egg:bool <<get, set>> = true
+SpecialInstructions:List<string> <<get>> {override}
+<<event>>PropertyChanged:PropertyChangedEventHandler {override}
+ToString():string {override}
CowpokeChili
+Cheese:bool <<get, set>>
+SourCream:bool <<get, set>>
+GreenOnions:bool <<get, set>>
+TortillaStrips:bool <<get, set>>
+Price:double <<get, set>> {override}
+Calories:uint <<get, set>> {override}
+SpecialInstructions:List<string> <<get>> {override}
+<<event>>PropertyChanged:PropertyChangedEventHandler {override}
+ToString():string {override}
PecosPulledPork
+Price:double <<get>> {override}
+Calories:uint <<get>> {override}
+Bread:bool <<get, set>> = true
+Pickle:bool <<get, set>> = true
+SpecialInstructions:List<string> <<get>> {override}
+<<event>>PropertyChanged:PropertyChangedEventHandler {override}
+ToString():string {override}
Association Legend
= Composition (The diamond-side class 'has-a'[strong] arrow-side class)
= Generalization (The non-arrow-side class 'is-a' arrow-side class)
= Aggregation (The diamond-side class 'has-a'[weak] arrow-side class)
= Realization (The non-arrow-side class 'is-a' arrow-side interface)
= Association (The connected entities are associated in some way)
Order
-lastOrderNumber:uint
-items:List<OrderItem>
+Items:IEnumerable<IOrderItem> <<get>>
+Subtotal:Double <<get>>
+OrderNumber:uint <<get>>
+<<event>>PropertyChanged:PropertyChangedEventHandler
+Add(Item:IOrderItem)
+Remove(item:IOrderitem)
-<<event>>OnItemChanged(sender:object, e: PropertyChangedEventArgs)
1
0..*
<<Interface>>
IOrderItem
+Price:Double <<get>>
+SpecialInstructions:List<string>() <<get>>
<<Interface>>
System.ComponentModel.INotifyPropertyChanged
+<<event>>PropertyChanged:PropertyChangedEventHandler
<<enum>>
Size
Small
Medium
Large
Water
+Price:double <<get>> {override}
+Calories:uint <<get>> {override}
+Size:Size <<get, set>>{override}
+Ice:bool <<get, set>>{override}
+Lemon:bool <<get, set>> = false
+SpecialInstructions:List<string> <<get>>
+<<event>>PropertyChanged:PropertyChangedEventHandler {override}
+ToString():string {override}
<<abstract>>
Drink
+Size:Size <<get, set>> {abstract}
+Price:double <<get>> {abstract}
+Calories:uint <<get>> {abstract}
+Ice:bool <<get, set>> = true; {abstract}
+SpecialInstructions:List<string> <<get>> {abstract}
+<<event>>PropertyChanged:PropertyChangedEventHandler {abstract}
1
1
1
1
ChiliCheeseFries
+Size:Size <<get, set>> {override}
+Calories:uint <<get>> {override}
+Price:double <<get>> {override}
+<<event>>PropertyChanged:PropertyChangedEventHandler {override}
+ToString():string {override}
<<abstract>>
Side
+Size:Size <<get, set>> {abstract}
+Price:double <<get>> {abstract}
+Calories:uint <<get>> {abstract}
+SpecialInstructions:List<string>
+<<event>>PropertyChanged:PropertyChangedEventHandler {abstract}
TexasTea
+Price:double <<get>> {override}
+Calories:uint <<get>> {override}
+Size:Size <<get, set>> {override}
+Ice:bool <<get, set>>{override}
+Sweet:bool <<get, set>> = true
+Lemon:bool <<get, set>> = false
+SpecialInstructions:List<string> <<get>>
+<<event>>PropertyChanged:PropertyChangedEventHandler {override}
+ToString():string {override}
<<enum>>
SodaFlavor
CreamSoda
OrangeSoda
Sarsaparilla
BirchBeer
RootBeer
1
1
CowboyCoffee
+Price:double <<get>> {override}
+Calories:uint <<get>> {override}
+Size:Size <<get, set>>{override}
+Ice:bool <<get, set>>{override}
+Decaf:bool <<get, set>>
+RoomForCream:bool <<get, set>> = false
+SpecialInstructions:List<string> <<get>>
+<<event>>PropertyChanged:PropertyChangedEventHandler {override}
+ToString():string {override}
JerkedSoda
+Price:double <<get>> {override}
+Calories:uint <<get>> {override}
+Flavor:SodaFlavor <<get, set>>
+Size:Size <<get, set>> {override}
+Ice:bool <<get, set>>{override}
+SpecialInstructions:List<string> <<get>>
+<<event>>PropertyChanged:PropertyChangedEventHandler {override}
+ToString():string {override}
CornDodgers
+Size:Size <<get, set>> {override}
+Price:double <<get>> {override}
+Calories:uint <<get>> {override}
+<<event>>PropetyChanged:PropertyChangedEventArgs {override}
+ToString():string {override}
PanDeCampo
+Size:Size <<get, set>> {override}
+Price:double <<get>> {override}
+Calories:uint <<get>> {override}
+<<event>>PropertyChanged:PropertyChangedEventArgs {override}
+ToString():string {override}
BakedBeans
+Size:Size <<get, set>> {override}
+Price:double <<get>> {override}
+Calories:uint <<get>> {override}
+<<event>>PropertyChanged"PropertyChangedEventArgs {override}
+ToString():string {override}

ExtensionMethods
+<<extension>>FindAncestor<DependencyObject>(element: this DependencyObject):DependencyObject
CowboyCafe.PointOfSale
Association Legend
= Composition (The diamond-side class 'has-a'[strong] arrow-side class)
= Generalization (The non-arrow-side class 'is-a' arrow-side class)
= Aggregation (The diamond-side class 'has-a'[weak] arrow-side class)
= Realization (The non-arrow-side class 'is-a' arrow-side interface)
= Association (The connected entities are associated in some way)
System.Windows.Window
MainWindow
+MainOrderControl:OrderControl
+MainOrderTransactionControl:OrderTransactionControl
+MainCollectCashFromCustomerControl:CollectCashFromCustomerControl
+MainModelViewCashRegister:ModelViewCashRegister
+MainGiveChangeToCustomerControl:GiveChangeToCustomerControl
+MainSwapBillsForCoinsControl:SwapBillsForCoinsControl
+MainManageRegisterDrawerControl:ManageRegisterDrawerControl
/+DataContext:Object
+MainWindow():MainWindow
+SwapOrderControlAndOrderTransactionControl()
+SwapTransactionControlAndCollectCashFromCustomerControl()
+SwapCollectCashFromCustomerControlAndGiveChangeToCustomerControl()
+SwapGiveChangeToCustomerControlForOrderControl()
+SwapGiveChangeToCustomerControlAndBillToCoinSwapControl()
+SwapGiveChangeToCustomerAndManageRegisterDrawerControl()
ManageRegisterDrawerControl
/+DataContext:Object
+ManageRegisterDrawerControl():ManageRegisterDrawerControl
+<<event>>OnDoneManaging(sender: object, e: RoutedEventArgs):EventHandler<RoutedEventArgs>
OrderControl
-Container:Border
/+DataContext:Object
+OrderControl():OrderControl
-<<event>>ItemSelection_Clicksender: object, e: RoutedEventArgs):EventHandler<RoutedEventArgs>
-<<event>>CancelOrder_Click(sender: object, e: RoutedEventArgs):EventHandler<RoutedEventArgs>
-<<event>>CompleteOrder_Click(sender: object, e: RoutedEventArgs):EventHandler<RoutedEventArgs>
+SwapScreen(element: FrameworkElement)
CollectCashFromCustomerControl
/+DataContext:Object
+CollectCashFromCustomerControl():CollectCashFromCustomerControl
+<<event>>OnNextStep(sender: object, e: RoutedEventArgs):EventHandler<RoutedEventArgs>
+<<event>>OnBackStep(sender: object, e: RoutedEventArgs):EventHandler<RoutedEventArgs>
OrderTransactionControl
/+DataContext:Object
+OrderTransactionControl():OrderTransactionControl
+<<event>>OnPaymentByCredit(sender: object, e: RoutedEventArgs):EventHandler<RoutedEventArgs>
+<<event>>OnPaymentByCash(sender: object, e: RoutedEventArgs):EventHandler<RoutedEventArgs>
+<<event>>OnCancelTransaction(sender: object, e: RoutedEventArgs):EventHandler<RoutedEventArgs>
OrderSummaryControl
/+DataContext:Object
+OrderSummaryControl():OrderSummaryControl
+<<event>>OnSelectionChanged(sender: object, e: SelectionChangedEventArgs):EventHandler<SelectionChangedEventArgs>
+<<event>>OnDeleteItem(sender: object, e: RoutedEventArgs):EventHandler<RoutedEventArgs>
CoinPaymentControl
+<<readonly>>CoinTypeProperty:DependencyProperty
+CoinType:Coin <<get, set>>
+<<readonly>>CoinCountProperty:DependencyProperty
+CoinCount:int <<get, set>>
/+DataContext:Object
+CoinPaymentControl():CoinPaymentControl
+<<event>>OnAddCoinToPayment(sender: object, e: RoutedEventArgs):EventHandler<RoutedEventArgs>
+<<event>>OnRemoveCoinToPayment(sender: object, e: RoutedEventArgs):EventHandler<RoutedEventArgs>
GiveChangeToCustomerControl
/+DataContext:Object
+GiveChangeToCustomerControl():GiveChangeToCustomerControl
+<<event>>OnBackStep(sender: object, e: RoutedEventArgs):EventHandler<RoutedEventArgs>
+<<event>>OnCompleteTransaction(sender: object, e: RoutedEventArgs):EventHandler<RoutedEventArgs>
+<<event>>OnManageMoneyinDrawer(sender: object, e: RoutedEventArgs):EventHandler<RoutedEventArgs>
+<<event>>OnSwapBillsAndCoins(sender: object, e: RoutedEventArgs):EventHandler<RoutedEventArgs>
BillPaymentControl
+<<readonly>>CoinTypeProperty:DependencyProperty
+CoinType:Coins <<get, set>>
+<<readonly>>CoinCountProperty:DependencyProperty
+CoinCount:int <<get, set>>
/+DataContext:Object
+CoinPaymentControl():CoinPaymentControl
+<<event>>OnAddCoinToPayment(sender: object, e: RoutedEventArgs):EventHandler<RoutedEventArgs>
+<<event>>OnRemoveCoinToPayment(sender: object, e: RoutedEventArgs):EventHandler<RoutedEventArgs>
BakedBeansCustomization
/+DataContext:Object
+BakedBeansCustomization():BakedBeansCustomization
-<<event>>BakedBeansSizeSelect(sender: object, e: RoutedEventArgs)
MenuItemSelectionControl
/+DataContext:Object
+MenuItemSelectionControl():MenuItemSelectionControl
+<<event>>OnAddOrderItemButtonClicked(sender: object, e: RoutedEventArgs)
System.Windows.Controls.UserControl
AngryChickenCustomization
/+DataContext:Object
+AngryChickenCustomization():AngryChickenCustomization
CowboyCoffeeCustomization
/+DataContext:Object
+CowboyCoffeeCustomization():CowboyCoffeeCustomization
-<<event>>CowboyCoffeeSizeSelect(sender: object, e: RoutedEventArgs)
SwapBillsForCoinsControl
/+DataContext:Object
+SwapBillsForCoinsControl():SwapBillsForCoinsControl
+<<event>>OnDoneSwapping(sender: object, e: RoutedEventArgs):EventHandler<RoutedEventArgs>
ChiliCheeseFriesCustomization
/+DataContext:Object
+ChiliCheeseFriesCustomization():ChiliCheeseFriesCustomization
-<<event>>ChiliCheeseFriesSizeSelect(sender: object, e: RoutedEventArgs)
CowpokeChiliCustomization
/+DataContext:Object
+CowpokeChiliCustomization():CowpokeChiliCustomization
BillToCoinSwapControl
+<<readonly>>BillTypeProperty:DependencyProperty
+BillType:Bills <<get, set>>
+<<readonly>>CoinTypeProperty:DependencyProperty
+CoinType:Coins <<get, set>>
+<<readonly>>NumOfBillProperty:DependencyProperty
+NumOfBill:int <<get, set>>
+<<readonly>>NumOfCoinProperty:DependencyProperty
+NumOfCoin:int <<get, set>>
/+DataContext:Object
+BillToCoinSwapControl():BillToCoinSwapControl
+<<event>>OnSwapBillForCoins(sender: object, e: RoutedEventArgs):EventHandler<RoutedEventArgs>
ModelViewCashRegister
+<<event>>PropertyChanged:PropertyChangedEventHandler (abstract)
+RegisterDollars:int <<get, set>>
+RegisterHalfDollars:int <<get, set>>
+RegisterQuarters:int <<get, set>>
+RegisterDimes:int <<get, set>>
+RegisterNickels:int <<get, set>>
+RegisterPennies:int <<get, set>>
+RegistersOnes:int <<get, set>>
+RegisterTwos:int <<get, set>>
+RegisterFives:int <<get, set>>
+RegisterTens:int <<get, set>>
+RegisterTwenties:int <<get, set>>
+RegisterFifties:int <<get, set>>
+RegisterHundreds:int <<get, set>>
+UserDollars:int <<get, set>>
+UserHalfDollars:int <<get, set>>
+UserQuarters:int <<get, set>>
+UserDimes:int <<get, set>>
+UserNickels:int <<get, set>>
+UserPennies:int <<get, set>>
+UserOnes:int <<get, set>>
+UserTwos:int <<get, set>>
+UserFives:int <<get, set>>
+UserTens:int <<get, set>>
+UserTwenties:int <<get, set>>
+UserFifties:int <<get, set>>
+UserHundreds:int <<get, set>>
+OrderCharge:double <<get, set>>
+OrderPayment:double <<get, private set>>
+SufficientFundsIndicator:string <<get, private set>>
+SufficientFundsColor:SolidColorBrush <<get, set>>
+SufficientChangeIndicator:string <<get, set>>
+SufficientChangeColor:SolidColorBrush <<get, set>>
+AppropriateChange:ObservableCollection<string> <<get>>
+ModelViewCashRegister(cashDrawer: CashDrawer):ModelViewCashRegister
+RemoveCoin(coinType: Coins, amount: int):void
+RemoveBill(billType: Bills, amount: int):void
CornDodgersCustomization
/+DataContext:Object
+CornDodgersCustomization():CornDodgersCustomization
-<<event>>CornDodgersSizeSelect(sender: object, e: RoutedEventArgs)
DakotaDoubleBurgerCustmoization
/+DataContext:Object
+DakotaDoubleBurgerCustomization():DakotaDoubleBurgerCustomization
JerkedSodaCustomization
/+DataContext:Object
+JerkedSodaCustomization():JerkedSodaCustomization
-<<event>>JerkedSodaSizeSelect(sender: object, e: RoutedEventArgs)
-<<event>>JerkedSodaFlavorSelect(sender: object, e: RoutedEventArgs)
PanDeCampoCustomization
/+DataContext:Object
+PanDeCampoCustomization():PanDeCampoCustomization
-<<event>>PanDeCampoSizeSelect(sender: object, e: RoutedEventArgs)
PecosPulledPorkCustomization
/+DataContext:Object
+PecosPulledPorkCustomization():PecosPulledPorkCustomization
TexasTeaCustomization
/+DataContext:Object
+TexasTeaCustomization():TexasTeaCustomization
-<<event>>TexasTeaSizeSelect(sender: object, e: RoutedEventArgs)
RustlersRibsCustomization
/+DataContext:Object
+RustlersRibsCustomization():RustlersRibsCustomization
WaterCustomization
/+DataContext:Object
+WaterCustomization():WaterCustomization
-<<event>>WaterSizeSelect(sender: object, e: RoutedEventArgs)
TexasTripleBurgerCustomization
/+DataContext:Object
+TexasTripleBurgerCustomization():TexasTripleBurgerCustomization
TrailBurgerCustomization
/+DataContext:Object
+TrailBurgerCustomization():TrailBurgerCustomization