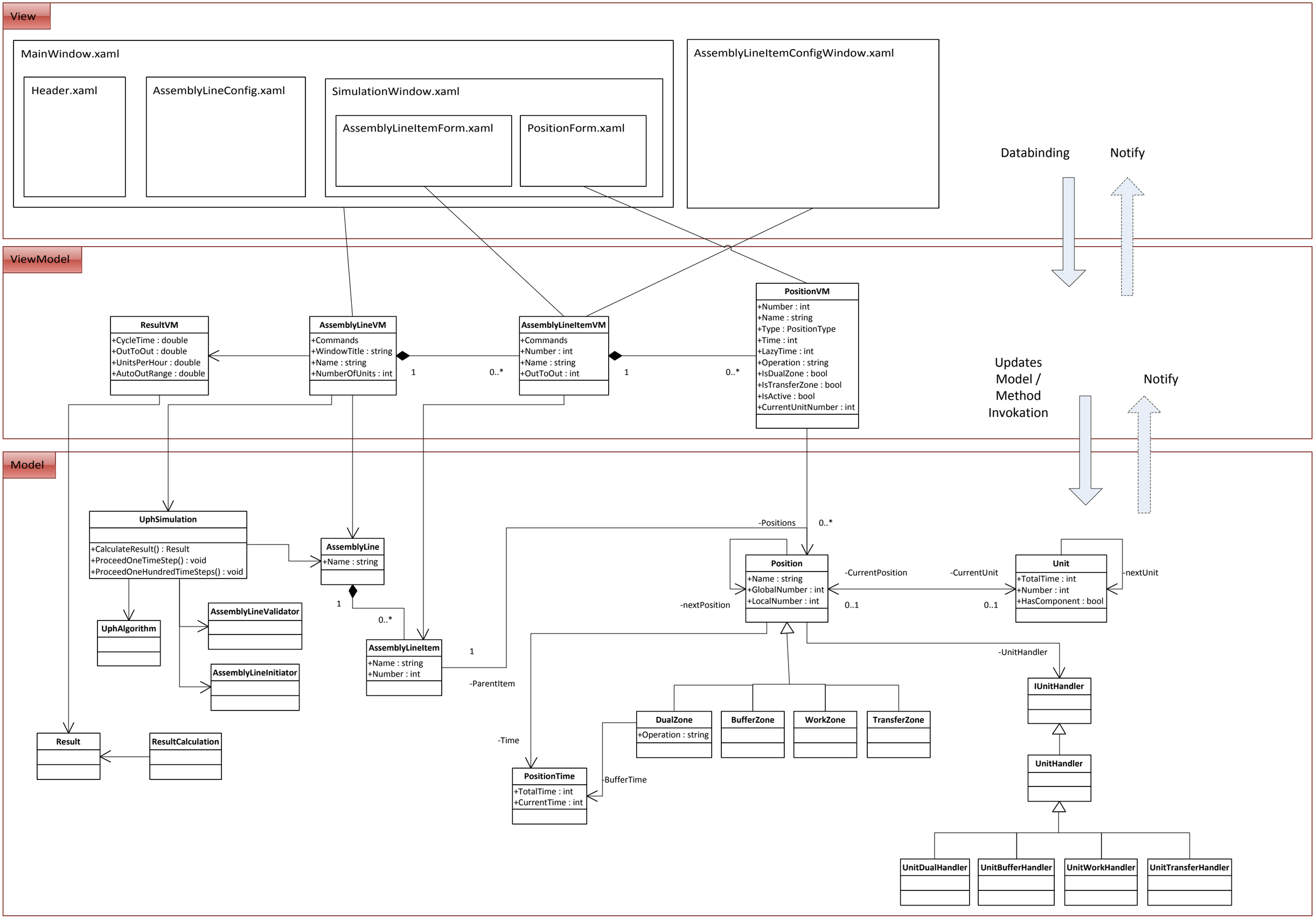
View
MainWindow.xaml
Header.xaml
AssemblyLineConfig.xaml
SimulationWindow.xaml
AssemblyLineItemForm.xaml
PositionForm.xaml
AssemblyLineItemConfigWindow.xaml
Databinding
Notify
ViewModel
ResultVM
+CycleTime : double
+OutToOut : double
+UnitsPerHour : double
+AutoOutRange : double
AssemblyLineVM
+Commands
+WindowTitle : string
+Name : string
+NumberOfUnits : int
1
0..*
AssemblyLineItemVM
+Commands
+Number : int
+Name : string
+OutToOut : int
1
0..*
PositionVM
+Number : int
+Name : string
+Type : PositionType
+Time : int
+LazyTime : int
+Operation : string
+IsDualZone : bool
+IsTransferZone : bool
+IsActive : bool
+CurrentUnitNumber : int
Updates Model / Method Invokation
Notify
Model
UphSimulation
+CalculateResult() : Result
+ProceedOneTimeStep() : void
+ProceedOneHundredTimeSteps() : void
UphAlgorithm
AssemblyLineValidator
AssemblyLineInitiator
AssemblyLine
+Name : string
1
0..*
AssemblyLineItem
+Name : string
+Number : int
1
-ParentItem
-Positions
0..*
Position
+Name : string
+GlobalNumber : int
+LocalNumber : int
-nextPosition
-CurrentPosition
0..1
-CurrentUnit
0..1
Unit
+TotalTime : int
+Number : int
+HasComponent : bool
-nextUnit
-UnitHandler
IUnitHandler
UnitHandler
UnitDualHandler
UnitBufferHandler
UnitWorkHandler
UnitTransferHandler
DualZone
+Operation : string
BufferZone
WorkZone
TransferZone
-Time
-BufferTime
PositionTime
+TotalTime : int
+CurrentTime : int
Result
ResultCalculation