ExpandForm : Form

+ExpandForm()
-DisplayBill():void
-AssignTextBoxes():void
-btnApply_Click(object, EventArgs):void
-CalculateTheoreticalAmount(decimal, out int, out int):void
-btnRevert_Click(object, EventArgs):void
-btnSave_Click(object, EventArgs):void
-btnClear_Click(object, EventArgs):void
-ValidateForm():void

AddBillForm : Form

-billsForm:Bills

+AddBillForm()
+AddBillForm(Bills)
-btnAdd_Click(object, EventArgs):void
-ValidateForm():bool

PaidOffForm : Form

+PaidOffForm()
+WireList():void
-btnExpand_Click(object, EventArgs):void
-btnEdit_Click(object, EventArgs):void
-btnRestore_Click(object, EventArgs):void
-btnDeleteBill_Click(object, EventArgs):void
-btnBack_Click(object, EventArgs):void
-InstantiateBillsForm():void
-lblNextMonth_Click(object, EventArgs):void
-ReorderPreviousPayments(Bill):void

PayForm : Form

-billsForm:Bills

+PayForm()
+PayForm(Bills)
-btnApply_Click(object, EventArgs):void
-ValidateForm():bool
-ApplyPayInformation():void

Bills : Form

+Bills()
+WireList():void
-btnPay_Click(object, EventArgs):void
-btnPaid_Click(object, EventArgs):void
-btnAddBill_Click(object, EventArgs):void
-btnEdit_Click(object, EventArgs):void
-btnExpand_Click(object, EventArgs):void
-btnDeleteBill_Click(object, EventArgs):void

Bill

+Id:int
+Name:string
+DueDate:string
+Balance:decimal
+MinDue:decimal
+DatePaid:string
+PaidAmount:decimal
+isPaid:bool
+Note:string
+PreviousPayment:struct
+previousPayments:PreviousPayment[] = [3]
+years:int
+months:int

+Bill()
+Bill(string, string, decimal, decimal)
+CalculateTimeToPayOff():void
+ChangeDueDateMonth():void

PreviousPayment

+Date:string
+PaidAmount:decimal

<<interface>> IDataConnection

+LoadBills():void
+CreateBill(Bill):void
+UpdateEdit():void

<<static>> GlobalConfig

+Connection:IDataConnection

+InitializeConnections(DatabaseType):void

<<enumeration>> DatabaseType

+Sql
+TextFile

PaidEditForm : Form

-paidOffForm:PaidOffForm

+PaidEditForm()
+PaidEditForm(PaidOffForm)
-DisplayBill():void
-btnApply_Click(object, EventArgs):void
-ValidateForm():bool
-AssignBill():void

BillEditForm : Form

-billsForm:Bills

+BillsEditForm()
+BillsEditForm(Bills)
-DisplayBill():void
-btnApply_Click(object, EventArgs):void
-ValidateForm():bool
-AssignBill():void
-lblEdit_Click(object, EventArgs):void

<<static>> GlobalBillLists

+billListIndex:int
+billList:List<Bill>
+activeBillList:List<Bill>
+paidBillList:List<Bill>
+selectedBill:Bill

+OrganizeBillList():void
+FindBillListIndex(Bill):void

TextConnector : IDataConnection

-billsFile:string const = "Bills.csv"

+LoadBills():void
+CreateBill(Bill):void
+UpdateEdit():void

<<static>> TextConnectorProcessor

+FullFilePath(this string):string
+LoadFile(this string):List<string>
+ConvertToBill(this List<string>):List<Bill>
+SaveBillsToFile(this List<Bill>, string):void