2014
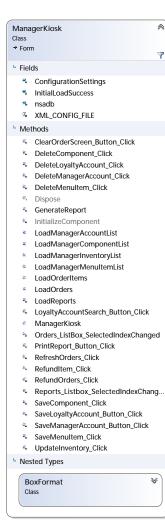
NSA Class Diagrams Revised 4-19-2014

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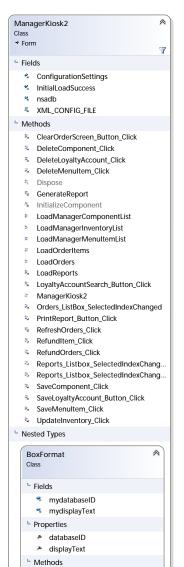
Contents
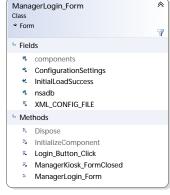
Program
Static Class

└ Methods
- ⚙ Main

ManagerKiosk
Class
⬦ Form

└ Fields
- ⚙ ConfigurationSettings
- ⚙ InitialLoadSuccess
- ⚙ nsadb
- ⚙ XML_CONFIG_FILE

└ Methods
- ⚙ ClearOrderScreen_Button_Click
- ⚙ DeleteComponent_Click
- ⚙ DeleteLoyaltyAccount_Click
- ⚙ DeleteManagerAccount_Click
- ⚙ DeleteMenuItem_Click
- ⚙ Dispose
- ⚙ GenerateReport
- ⚙ InitializeComponent
- ⚙ LoadManagerAccountList
- ⚙ LoadManagerComponentList
- ⚙ LoadManagerInventoryList
- ⚙ LoadManagerMenuItemList
- ⚙ LoadOrderItems
- ⚙ LoadOrders
- ⚙ LoadReports
- ⚙ LoyaltyAccountSearch_Button_Click
- ⚙ ManagerKiosk
- ⚙ Orders_ListBox_SelectedIndexChanged
- ⚙ PrintReport_Button_Click
- ⚙ RefreshOrders_Click
- ⚙ RefundItem_Click
- ⚙ RefundOrders_Click
- ⚙ Reports_Listbox_SelectedIndexChang...
- ⚙ SaveComponent_Click
- ⚙ SaveLoyaltyAccount_Button_Click
- ⚙ SaveManagerAccount_Button_Click
- ⚙ SaveMenuItem_Click
- ⚙ UpdateInventory_Click

└ Nested Types

BoxFormat
Class

ManagerKiosk2
Class
⬦ Form

└ Fields
- ⚙ ConfigurationSettings
- ⚙ InitialLoadSuccess
- ⚙ nsadb
- ⚙ XML_CONFIG_FILE

└ Methods
- ⚙ ClearOrderScreen_Button_Click
- ⚙ DeleteComponent_Click
- ⚙ DeleteLoyaltyAccount_Click
- ⚙ DeleteMenuItem_Click
- ⚙ Dispose
- ⚙ GenerateReport
- ⚙ InitializeComponent
- ⚙ LoadManagerComponentList
- ⚙ LoadManagerInventoryList
- ⚙ LoadManagerMenuItemList
- ⚙ LoadOrderItems
- ⚙ LoadOrders
- ⚙ LoadReports
- ⚙ LoyaltyAccountSearch_Button_Click
- ⚙ ManagerKiosk2
- ⚙ Orders_ListBox_SelectedIndexChanged
- ⚙ PrintReport_Button_Click
- ⚙ RefreshOrders_Click
- ⚙ RefundItem_Click
- ⚙ RefundOrders_Click
- ⚙ Reports_Listbox_SelectedIndexChang...
- ⚙ Reports_Listbox_SelectedIndexChang...
- ⚙ SaveComponent_Click
- ⚙ SaveLoyaltyAccount_Button_Click
- ⚙ SaveMenuItem_Click
- ⚙ UpdateInventory_Click

└ Nested Types

BoxFormat
Class

└ Fields
- ⚙ mydatabaseID
- ⚙ mydisplayText

└ Properties
- 🔧 databaseID
- 🔧 displayText

└ Methods
- ⚙ BoxFormat

NSADatabase
Class

└ Fields
- ⚙ Connection
- ⚙ DBName
- ⚙ DBPassword
- ⚙ DBServer
- ⚙ DBUser
- ⚙ RecordCount
- ⚙ StoreNumber

└ Methods
- ⚙ CloseConnection
- ⚙ Connected
- ⚙ CustomQuery
- ⚙ Initialize
- ⚙ ManagerAccountsData
- ⚙ ManagerClearOrderScreen
- ⚙ ManagerCreateMenuItem
- ⚙ ManagerCreateMenuItemComponent
- ⚙ ManagerCreateSpecial
- ⚙ ManagerDeleteComponent
- ⚙ ManagerDeleteLoyaltyAccount
- ⚙ ManagerDeleteManagerAccount
- ⚙ ManagerDeleteMenuItem
- ⚙ ManagerGetComponentData
- ⚙ ManagerGetInventoryData
- ⚙ ManagerGetLoyaltyAccount
- ⚙ ManagerGetMenuItemData
- ⚙ ManagerLogin
- ⚙ ManagerOrderItemData
- ⚙ ManagerOrdersData
- ⚙ ManagerRefundItem
- ⚙ ManagerRefundOrders
- ⚙ ManagerSaveComponent
- ⚙ ManagerSaveLoyaltyAccount
- ⚙ ManagerSaveManagerAccount
- ⚙ ManagerUpdateInventory
- ⚙ NSADatabase (+ 2 overloads)
- ⚙ OpenConnection

Reports
Class

└ Fields
- ⚙ nsadb
- ⚙ ReportNames
- ⚙ Stores

└ Methods
- ⚙ AddStore
- ⚙ ClearStores
- ⚙ CreateReport
- ⚙ DayofWeek
- ⚙ GenerateReport (+ 1 overload)
- ⚙ Month
- ⚙ NumberReportsAvalaible
- ⚙ NumberStores
- ⚙ ReportName (+ 1 overload)
- ⚙ Reports (+ 2 overloads)
- ⚙ SalesByDay
- ⚙ SalesByMonth
- ⚙ SalesByWeek

└ Nested Types

ReportIDs
Enum

- SalesByDay
- SalesByWeek
- SalesByMonth
- NumberReports

ManagerLogin_Form
Class
⬦ Form

└ Fields
- ⚙ components
- ⚙ ConfigurationSettings
- ⚙ InitialLoadSuccess
- ⚙ nsadb
- ⚙ XML_CONFIG_FILE

└ Methods
- ⚙ Dispose
- ⚙ InitializeComponent
- ⚙ Login_Button_Click
- ⚙ ManagerKiosk_FormClosed
- ⚙ ManagerLogin_Form

AppConfig
Class

└ Fields
- ⚙ gcDBName
- ⚙ gcDBPassword
- ⚙ gcDBServer
- ⚙ gcDBUser
- ⚙ gcFilePath
- ⚙ gcLoaded
- ⚙ gcStoreNumber
- ⚙ XML_CONFIG_SECTION
- ⚙ XML_DB_HOST
- ⚙ XML_DB_NAME
- ⚙ XML_DB_PASS
- ⚙ XML_DB_USER
- ⚙ XML_STORE_ID

└ Properties
- 🔧 DatabaseName
- 🔧 DatabasePassword
- 🔧 DatabaseServer
- 🔧 DatabaseUserName
- 🔧 FilePath
- 🔧 IsLoaded
- 🔧 StoreNumber

└ Methods
- ⚙ AppConfig (+ 1 overload)
- ⚙ Load (+ 1 overload)

BoxFormatTest
Class

- **Methods**
  - TestDatabaseID
  - TestDisplayText
  - TestInitializer

ReportsTest
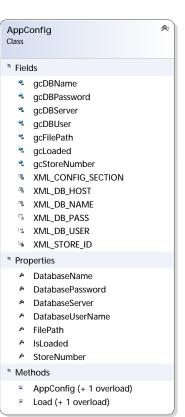Class

- **Fields**
  - DBName
  - DBPassword
  - DBServer
  - DBUser
- **Methods**
  - TestNumberReportsAvalaible
  - TestReports_Report0
  - TestReports_Report0_Name
  - TestReports_Report1
  - TestReports_Report2

ConfigTest
Class

- **Methods**
  - ConfigTest_TestInitializer
  - Test_Property_DatabaseName
  - Test_Property_DatabasePassword
  - Test_Property_DatabaseServer
  - Test_Property_DatabaseUserName
  - Test_Property_StoreNumber
  - TestInitializer_WithFile
  - TestLoad
  - TestLoad_Empty_File_GererateExecption
  - TestLoad_NoFileSpecified_GererateExecption
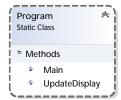 - TestLoad_Valid_File

Program
Static Class

▫ Methods
  ⚙ Main

Lobby
Class
⬦ Form

▫ Fields
  ⚙ ConfigurationSettings
  ⚙ InitialLoadSuccess
  ⚙ nsadb
  ⚙ XML_CONFIG_FILE
▫ Methods
  ⚙ AssignLabelText
  ⚙ DisplayOrders
  ⚙ Dispose
  ⚙ InitializeComponent
  ⚙ Lobby
  ⚙ ReloadTimer_Tick
  ⚙ Remove20MinuteOrders

NSADatabase
Class

▫ Fields
  ⚙ Connection
  ⚙ DBName
  ⚙ DBPassword
  ⚙ DBServer
  ⚙ DBUser
  ⚙ RecordCount
  ⚙ StoreNumber
▫ Methods
  ⚙ CloseConnection
  ⚙ Connected
  ⚙ CustomQuery
  ⚙ ExecuteQuery
  ⚙ Initialize
  ⚙ LobbyOrdersData
  ⚙ NSADatabase (+ 1 overload)
  ⚙ OpenConnection

AppConfig
Class

▫ Fields
  ⚙ gcDBName
  ⚙ gcDBPassword
  ⚙ gcDBServer
  ⚙ gcDBUser
  ⚙ gcFilePath
  ⚙ gcLoaded
  ⚙ gcStoreNumber
  ⚙ XML_CONFIG_SECTION
  ⚙ XML_DB_HOST
  ⚙ XML_DB_NAME
  ⚙ XML_DB_PASS
  ⚙ XML_DB_USER
  ⚙ XML_STORE_ID
▫ Properties
  ⚙ DatabaseName
  ⚙ DatabasePassword
  ⚙ DatabaseServer
  ⚙ DatabaseUserName
  ⚙ FilePath
  ⚙ IsLoaded
  ⚙ StoreNumber
▫ Methods
  ⚙ AppConfig (+ 1 overload)
  ⚙ Load (+ 1 overload)

ConfigTest
Class

Methods
- ConfigTest_TestInitializer
- Test_Property_DatabaseName
- Test_Property_DatabasePassword
- Test_Property_DatabaseServer
- Test_Property_DatabaseUserName
- Test_Property_StoreNumber
- TestInitializer_WithFile
- TestLoad
- TestLoad_Empty_File_GererateExecption
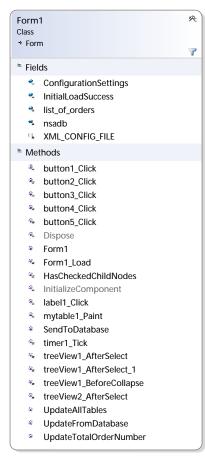- TestLoad_NoFileSpecified_GererateExecption
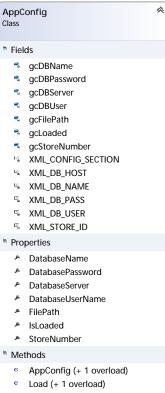- TestLoad_Valid_File

DatabaseConnecitonTest
Class

Fields
- DBName
- DBPassword
- DBServer
- DBUser

Methods
- TestCloseConnection
- TestCustomQuery
- TestInitializer_WithParameters
- TestInitializer_WithParameters_InvalidDB
- TestInitializer_WithParameters_InvalidPass
- TestInitializer_WithParameters_InvalidServer
- TestInitializer_WithParameters_InvalidUser
- TestLobbyOrdersData
- TestLobbyOrdersData_ClosedConnection
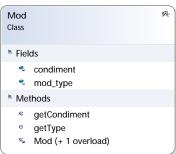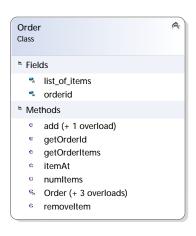- TestOpenConnection
- TestOpenConnection_AlreadyOpen_Execption

Program
Static Class

- Methods
  - Main
  - UpdateDisplay

Form1
Class
↑ Form

- Fields
  - ConfigurationSettings
  - InitialLoadSuccess
  - list_of_orders
  - nsadb
  - XML_CONFIG_FILE
- Methods
  - button1_Click
  - button2_Click
  - button3_Click
  - button4_Click
  - button5_Click
  - Dispose
  - Form1
  - Form1_Load
  - HasCheckedChildNodes
  - InitializeComponent
  - label1_Click
  - mytable1_Paint
  - SendToDatabase
  - timer1_Tick
  - treeView1_AfterSelect
  - treeView1_AfterSelect_1
  - treeView1_BeforeCollapse
  - treeView2_AfterSelect
  - UpdateAllTables
  - UpdateFromDatabase
  - UpdateTotalOrderNumber

NSADatabase
Class

- Fields
  - Connection
  - DBName
  - DBPassword
  - DBServer
  - DBUser
  - RecordCount
  - StoreNumber
- Methods
  - CloseConnection
  - Connected
  - CustomQuery
  - ExecuteQuery
  - Initialize
  - LobbyOrdersData
  - NSADatabase (+ 2 overloads)
  - OpenConnection

AppConfig
Class

- Fields
  - gcDBName
  - gcDBPassword
  - gcDBServer
  - gcDBUser
  - gcFilePath
  - gcLoaded
  - gcStoreNumber
  - XML_CONFIG_SECTION
  - XML_DB_HOST
  - XML_DB_NAME
  - XML_DB_PASS
  - XML_DB_USER
  - XML_STORE_ID
- Properties
  - DatabaseName
  - DatabasePassword
  - DatabaseServer
  - DatabaseUserName
  - FilePath
  - IsLoaded
  - StoreNumber
- Methods
  - AppConfig (+ 1 overload)
  - Load (+ 1 overload)

Item
Class

- Fields
  - itemid
  - itemName
  - list_of_mods
- Methods
  - add (+ 1 overload)
  - getId
  - getMods
  - getName
  - Item (+ 5 overloads)
  - itemAt
  - numMods
  - setName

Mod
Class

- Fields
  - condiment
  - mod_type
- Methods
  - getCondiment
  - getType
  - Mod (+ 1 overload)

Order
Class

- Fields
  - list_of_items
  - orderid
- Methods
  - add (+ 1 overload)
  - getOrderId
  - getOrderItems
  - itemAt
  - numItems
  - Order (+ 3 overloads)
  - removeItem

Program
Static Class

- **Methods**
  - ⚙ Main

CorporateUI
Class
⬦ Form

- **Fields**
  - ⚙ ConfigurationSettings
  - ⚙ CorpData
  - ⚙ InitialLoadSuccess
  - ⚙ XML_CONFIG_FILE
- **Methods**
  - ⚙ CorporateUI
  - ⚙ DeleteManagerAccount_Click
  - ⚙ DeleteStore_Click
  - ⚙ Dispose
  - ⚙ GenerateReport
  - ⚙ InitializeComponent
  - ⚙ Inventory_Stores_SelectedIndexC...
  - ⚙ LoadInventoryList
  - ⚙ LoadLoyaltyAccounts
  - ⚙ LoadManagerAccountList
  - ⚙ LoadOrderItems
  - ⚙ LoadOrders
  - ⚙ LoadReports
  - ⚙ LoadStores (+ 1 overload)
  - ⚙ LoadStoresLong
  - ⚙ Loyalty_Stores_SelectedIndexCha...
  - ⚙ Orders_ListBox_SelectedIndexCh...
  - ⚙ Orders_Stores_SelectedIndexCha...
  - ⚙ PrintReport_Button_Click
  - ⚙ RefreshOrders_Button_Click
  - ⚙ Reports_Listbox_SelectedIndexCh...
  - ⚙ SaveManagerAccount_Button_Cli...
  - ⚙ SaveStore_Click
- **Nested Types**

  BoxFormat
  Class

  - **Fields**
    - ⚙ mydatabaseID
    - ⚙ mydisplayText
  - **Properties**
    - ⚙ databaseID
    - ⚙ displayText
  - **Methods**
    - ⚙ BoxFormat

AppConfig
Class

- **Fields**
  - ⚙ gcDBName
  - ⚙ gcDBPassword
  - ⚙ gcDBServer
  - ⚙ gcDBUser
  - ⚙ gcFilePath
  - ⚙ gcLoaded
  - ⚙ gcStoreNumber
  - ⚙ XML_CONFIG_SECTION
  - ⚙ XML_DB_HOST
  - ⚙ XML_DB_NAME
  - ⚙ XML_DB_PASS
  - ⚙ XML_DB_USER
  - ⚙ XML_STORE_ID
- **Properties**
  - ⚙ DatabaseName
  - ⚙ DatabasePassword
  - ⚙ DatabaseServer
  - ⚙ DatabaseUserName
  - ⚙ FilePath
  - ⚙ IsLoaded
  - ⚙ StoreNumber
- **Methods**
  - ⚙ AppConfig (+ 1 overload)
  - ⚙ Load (+ 1 overload)

Reports
Class

- **Fields**
  - ⚙ nsadb
  - ⚙ ReportNames
  - ⚙ Stores
- **Methods**
  - ⚙ AddStore
  - ⚙ ClearStores
  - ⚙ CreateReport
  - ⚙ DayofWeek
  - ⚙ GenerateReport (+ 1 overload)
  - ⚙ Month
  - ⚙ NumberReportsAvalaible
  - ⚙ NumberStores
  - ⚙ ReportName (+ 1 overload)
  - ⚙ Reports (+ 2 overloads)
  - ⚙ SalesByDay
  - ⚙ SalesByMonth
  - ⚙ SalesByWeek
- **Nested Types**

  ReportIDs
  Enum

NSADatabase
Class

- **Fields**
  - ⚙ Connection
  - ⚙ DBName
  - ⚙ DBPassword
  - ⚙ DBServer
  - ⚙ DBUser
  - ⚙ RecordCount
  - ⚙ StoreNumber
- **Methods**
  - ⚙ CloseConnection
  - ⚙ Connected
  - ⚙ CustomQuery
  - ⚙ ExecuteQuery
  - ⚙ Initialize
  - ⚙ LobbyOrdersData
  - ⚙ NSADatabase (+ 2 overloads)
  - ⚙ OpenConnection

CorporateData
Class

- **Fields**
  - ⚙ nsadb
- **Methods**
  - ⚙ Connected
  - ⚙ CorporatDeleteManagerAccount
  - ⚙ CorporateData (+ 1 overload)
  - ⚙ CorporateGetInventoryData
  - ⚙ CorporateLoyaltyAccountData
  - ⚙ CorporateManagerAccountsData
  - ⚙ CorporateOrderItemData
  - ⚙ CorporateOrdersData
  - ⚙ CorporateSaveManagerAccount
  - ⚙ CorporateSaveStore
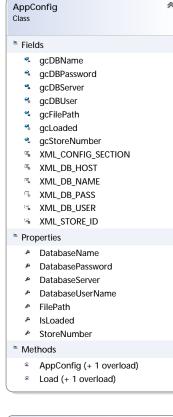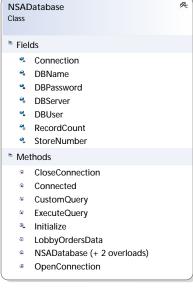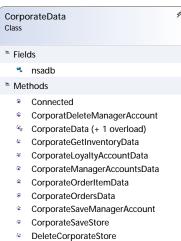 - ⚙ DeleteCorporateStore
  - ⚙ StoresData

CorporateDataTest
Class

Fields
- DBName
- DBPassword
- DBServer
- DBUser

Methods
- TestCorporateSaveManagerAccount
- TestDeleteManager
- TestInitializer_WithParameters
- TestInitializer_WithParameters_InvalidDB
- TestInitializer_WithParameters_InvalidPass
- TestInitializer_WithParameters_InvalidServer
- TestInitializer_WithParameters_InvalidUser
- TestStoresData

ReportsTest
Class

Fields
- DBName
- DBPassword
- DBServer
- DBUser

Methods
- TestNumberReportsAvalaible
- TestReports_Report0
- TestReports_Report0_Name
- TestReports_Report1
- TestReports_Report2

BoxFormatTest
Class

Methods
- TestDatabaseID
- TestDisplayText
- TestInitializer