

# NSA Class Diagrams

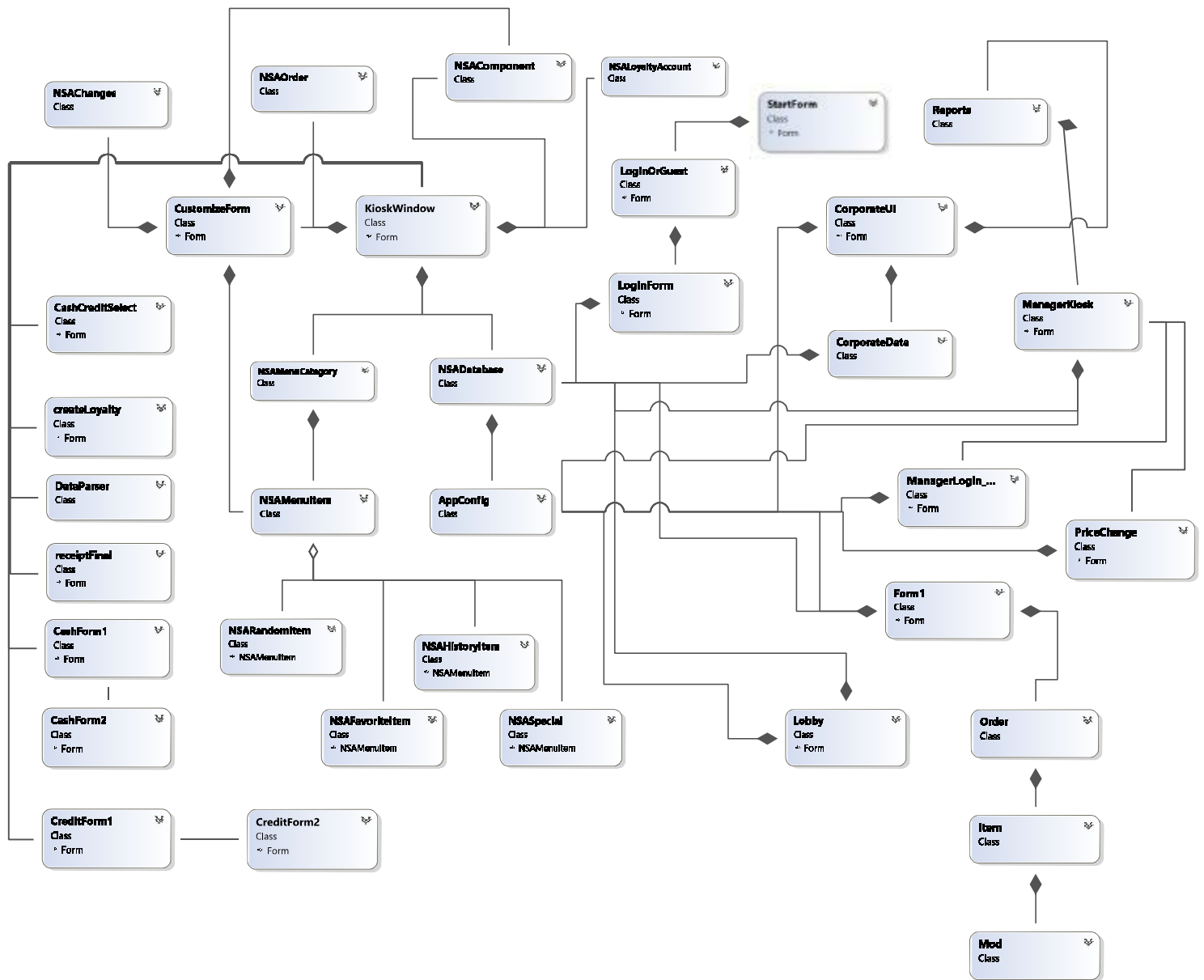
## Revised 4-29-2014

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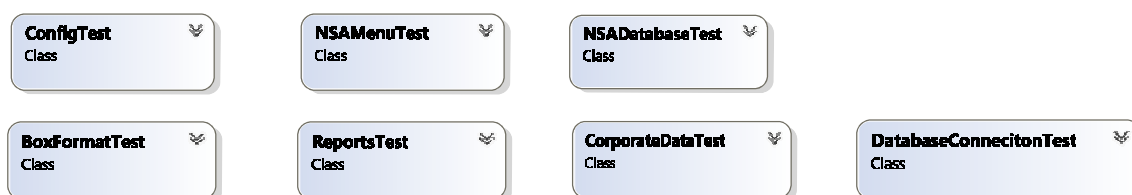
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## NSA Sandwich Class Diagram Overview



## Test Classes Overview



Program

Static Class

Methods

Main

ManagerKiosk

Class

Form

Fields

ComponentCategory\_comboBox

ConfigurationSettings

InitialLoadSuccess

KidsMealDay\_Label

KidsMealDayFriday\_CheckBox

KidsMealDayMonday\_CheckBox

KidsMealDaySaturday\_CheckBox

KidsMealDaySave\_Button

KidsMealDaySunday\_CheckBox

KidsMealDayThursday\_CheckBox

KidsMealDayTuesday\_CheckBox

KidsMealDayWednesday\_CheckBox

MenuItemCategory\_comboBox

nsadb

PriceChange\_Button

XML\_CONFIG\_FILE

Methods

ClearOrderScreen\_Button\_Click

DeleteComponent\_Click

DeleteLoyaltyAccount\_Click

DeleteManagerAccount\_Click

DeleteMenuItem\_Click

Dispose

GenerateReport

InitializeComponent

KidsMealDaySave\_Button\_Click

LoadKidsMealDays

LoadManagerAccountList

LoadManagerComponentList

LoadManagerInventoryList

LoadManagerMenuItemList

LoadOrderItems

LoadOrders

LoadReports

LoyaltyAccountSearch\_Button\_Click

ManagerKiosk

Orders\_ListBox\_SelectedIndexChanged

PriceChange\_Button\_Click

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

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

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)

NSADatabase

Class

Fields

Connection

DBName

DBPassword

DBServer

DBUser

RecordCount

StoreNumber

Methods

CloseConnection

Connected

CustomQuery

Initialize

ManagerAccountsData

ManagerClearOrderScreen

ManagerCreateMenuItem

ManagerCreateMenuItemComponent

ManagerCreateSpecial

ManagerDeleteComponent

ManagerDeleteLoyaltyAccount

ManagerDeleteManagerAccount

ManagerDeleteMenuItem

ManagerGetComponentCategory

ManagerGetComponentData

ManagerGetInventoryData

ManagerGetKidsMealDays

ManagerGetLoyaltyAccount

ManagerGetMenuItemCategory

ManagerGetMenuItemData

ManagerGetPrice

ManagerLogin

ManagerOrderItemData

ManagerOrdersData

ManagerRefundItem

ManagerRefundOrders

ManagerSaveComponent

ManagerSaveLoyaltyAccount

ManagerSaveManagerAccount

ManagerSetPrice

ManagerUpdateInventory

NSADatabase (+ 2 overloads)

OpenConnection

UpdateKidsMealDays

ManagerLogin\_Form

Class

Form

Fields

components

ConfigurationSettings

InitialLoadSuccess

nsadb

XML\_CONFIG\_FILE

Methods

Dispose

InitializeComponent

Login\_Button\_Click

ManagerKiosk\_FormClosed

ManagerLogin\_Form

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\_GenerateException

TestLoad\_NoFileSpecified\_GenerateException

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\_GenerateException
- TestLoad\_NoFileSpecified\_GenerateException
- 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\_Exception

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

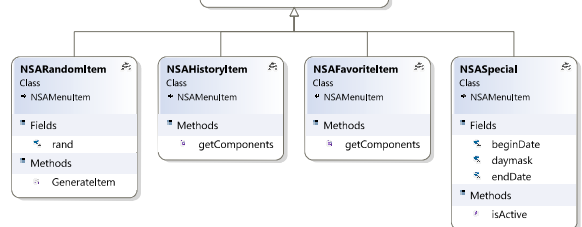
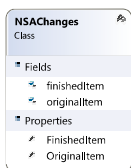
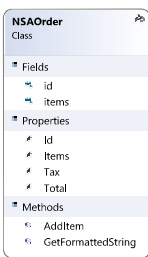
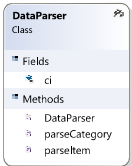
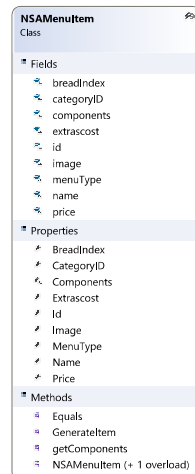
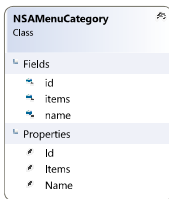
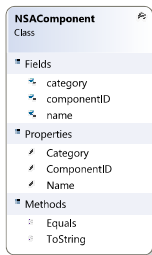
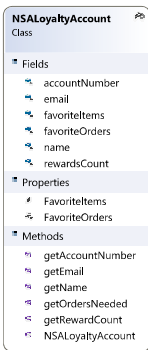
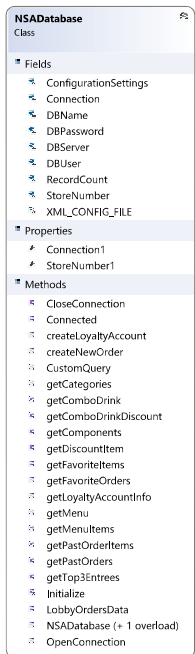
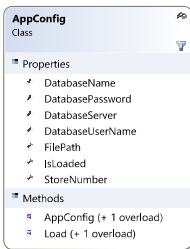
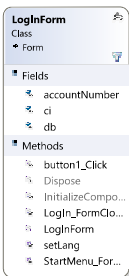
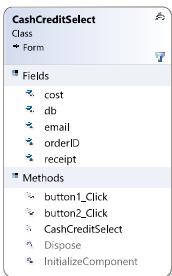
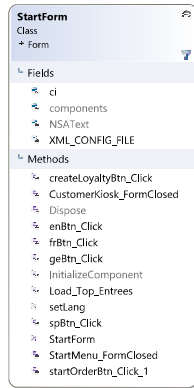
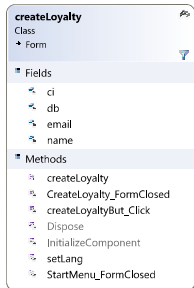
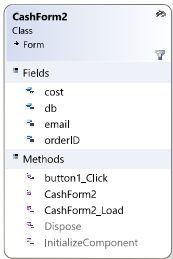
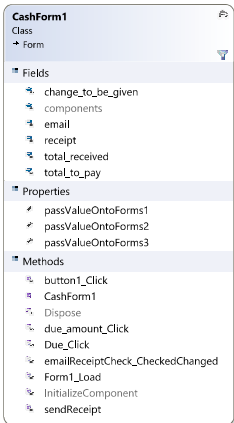
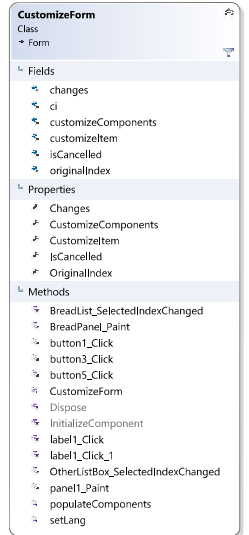
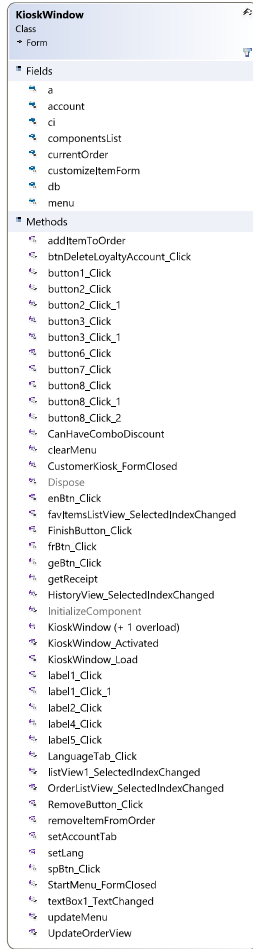
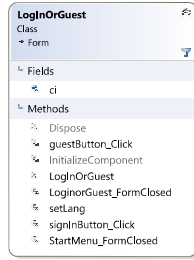
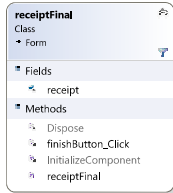
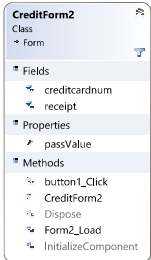
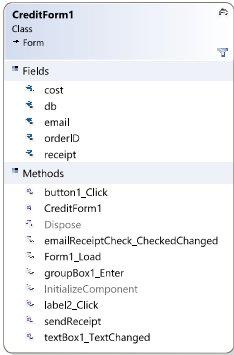
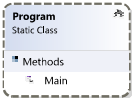
Class

Methods

TestDatabaselD

TestDisplayText

TestInitializer



## NSADatabaseTest

Class

### Fields

- name
- pass
- server
- storeNumber
- user

### Methods

- Can\_Get\_Components
- Can\_Get\_Menu
- Can\_Get\_Menu\_Categories
- Can\_Get\_Menu\_Items
- CanClose\_Connection
- FailsInitialization\_WithInvalid\_Name
- FailsInitialization\_WithInvalid\_Pass
- FailsInitialization\_WithInvalid\_Server
- FailsInitialization\_WithInvalid\_User
- Initializes\_WithValid\_Parameters

## NSAMenuTest

Class

### Methods

- Component\_CanTest\_IfEqual
- Component\_CanTest\_IfEqualNull
- Component\_StoreCorrect\_ID
- Component\_StoresCorrect\_Category
- Component\_StoresCorrect\_Name
- Component\_ToString\_ReturnsName