CS225 Final Project UML Class Diagram: Chemical Inventory System

MainApp
----
primaryStage: Stage
----
start()
showLoginScreen()
showDashboardScreen()
logout()

LoginController
----
userManager:
UserManager
authenticated: User
----
getAuthenticatedUser()
initialize()
handleLogin()

Main

(no attributes)
----
main()

DashboardController
----
loggedInUser: User
sidebarGroup: ToggleGroup
----
initialize()
setLoggedInUser()
handleSearch()
handleAdd()
handleSDS()
handleAdmin()
loadCenterModule()

User
----
name
role

(getters)

AdminController
----
userManager:
UserManager
queryManager:
QueryManager
----
initialize()
addUser()
removeUser()
refreshTable()

InventoryController
----
metadata: MetadataService
queries: QueryManager
currentUser: User
----
initialize()
loadTable()
doSearch()
promptCas()
showAddDialog()

AddRowDialog
----
inputs: Map
----
constructor()

SDSController
----
searchField: TextField
searchButton: Button
SDSdataTable: TableView
...
----
initialize()
loadTable()
doSearch()

MetadataService
----
connection: Connection
----
listTables()
getColumns()

QueryManager
----
connection: Connection
metadata: MetadataService
----
selectAll()
search()
updateRow()
insertRow()

RowDetailsDialog

(no attributes)
----
constructor()

PubChemService

(no attributes)
----
browseByCas()
openSDSPage()

ColumnData
----
name
type
primaryKey

(getters)

ConnectionManager
----
connection: Connection
----
getInstance()
getConnection()

UserManager
----
connection: Connection
----
verifyLogin()
createUser()
deleteUser()

Relationships (labels):
creates, creates, returns, creates, has, controls, controls, creates, has, controls, uses, uses, uses, uses, uses, uses, uses, uses, uses, uses, uses, uses