User

+id[1] : long
+version[1] : long
+username[1] : string
+password[1] : string
+accountExpired[1] : bool
+accountLocked[1] : bool
+passwordExpired[1] : bool
+firstName[1] : string
+lastName[1] : string
+email[1] : string
+age[1] : int
+bio[1] : string
+listings[0..*] : Listing
+automobiles[0..*] : Automobile

Role

+authority[1] : string

UserRole

+user[1] : User
+role[1] : Role

Automobile

+id[1] : long
+version[1] : long
+vin[1] : long
+make[1] : string
+model[1] : string
+year[1] : int
+dateCreated[1] : Date
+lastUpdated[1] : Date
+owner[1] : User
-listing[0..1] : Listing

+getDescription() : string

Listing

+id[1] : long
+version[1] : long
+dateCreated[1] : Date
+lastUpdated[1] : Date
+price[1] : BigDecimalObject
+seller[1] : User
+buyer[0..1] : User
+automobile[1] : Automobile
+isActive[1] : bool

Jalopy Exchange System

Create Automobile

Delete Automobile

Create Listing

Buy Automobile

View Listing

Edit User Details

Lock Listing

Unlock Listing

Lock User

User

Admin

System