City Transit System UML Class Diagram

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User

#id : int
#password : string
#loginStatus : string

+verifyLogin() : boolean

UserSingleton

-userObject : UserSingleton
-integeUserHashmap : HashMap

-UserSingleton()
+getInstance() UserSingleton
+addUser(User)
+getUserById(id)
+deleteUserById(id)
+verifyUser(key, value)

-instance

Card

#cardNumber
#balance : float
#categoryType : enum
#riderPass : boolean
#cardStatus: boolean

+loadFund()
+loadPass()
+changeType()
+lostCard()
+Display

Rider

-riderName : string
-riderBirth : date
-riderEmail : string
-riderContact : string
-card

+updateProfile()
+Display()

Administrator

-adminName : string
-adminEmail : string

+updateProfile()
+Display

Driver

-driverName : string
-driverEmail : string
-driverPhone: string
-driverSalary: double
-driverBirth : date

+updateProfile()
+Display()
+yearlySalary()
+inputDataDriverAndDisplay()

0..*   --has--   0..*

**<<interface>>
IDisplay**