Model1::ClassDiagram1

«entity»
Admin

+IS-A

«entity»
Member

-id : String
-password : String
-isOnline : Boolean

+Member(loginId : String, loginPw : String)
+setOnline(flag : Boolean)
+getId()
+getPw()
+getMemberList()

+IS-A

«entity»
User

-tel : String

+listBikes()
+addNewMember()
+addBike()

+1

+1

+register □

+□ rent

+0..*

+0..*

Bike

-bikeId : String
-bikeName : String
-rented: Boolean

+regist()
+Bike()
+setRented()
+getBikeDetails()

«boundary»
JoinUI

-joinController : Joincontroller*

+showInputForm()
+join(loginId : String, loginPw : String)
+startInterface()
+selectJoin()

«boundary»
LoginUI

-logInController : LogInController*

+showInputForm()
+tryLogIn(loginId : String, logInPw: String)
+startInterface()
+selectLogIn()

«boundary»
LogOutUI

-logOutController : LogOutController*

+startInterface()
+selectLogOut()

«boundary»
RegistUI

-registController : RegistController*

+showInputForm()
+startInterface()
+selectRegist()
+regist(bikeId: Int, bikeName: String)

«boundary»
RentUI

-rentController : RentController*

+showInputForm()
+startInterface()
+selectRent()
+rent(bikeId: Int)

«boundary»
MyBikeUI

-myBikeController : MyBikeController*

+startInterface()
+selectMyBike()

«control»
JoinController

-joinUI : JoinUI*
-user : User*

+addNerMember(loginId: String, loginPw: String, tel: String)

«control»
LoginController

-logInUI : LogInUI*
-member : Member*

+logIn(loginId: String, logInPw: String)

«control»
LogOutController

-logOutUI : LogOutUI*
+member : Member*

+tryLogOut()

«control»
RegistController

-registUI : RegistUI*
-bike : Bike*

+regist(bikeId: Int, bikeName: String)

«control»
RentController

-rentUI : RentUI*
-user : User*
-bike : Bike*

+rent(bikeId: Int)

«control»
MyBikeController

-myBikeUI : MyBikeUI*
-user : User*
--bike : Bike*

+showUserMyBike()