«boundary»
User Interface::SignUpUI
-control_: SignUp&

+startInterface(): void

«boundary»
User Interface::LogInUI
-control_: LogIn&

+startInterface(): void

«entity»

BicycleList

+addNewBicycle(id: String, name: String): void

-bicycles: vector<Bicycle>

+findBicycle(id: String): Bicycle*

+getAllBicycles(): vector<Bicycle>&

«boundary»
User Interface::LogOutUI

-control_: LogOut&

+startInterface(): void

has a

1...

«boundary»
User Interface::AddBicycleUI
-control_: AddBicycle&
+startInterface(): void

Bicycle

+rentTo(userID: String): Boolean +getName(): String +getID(): String

-bicycleID: String

-bicycleName: String

-rentStatus: Boolean -renteduserID: String

+getRentFor(): String

wboundary»
User Interface::ViewRentInfoUI
-control_: ViewRentInfo&
+startInterface(): void

+isSuccess(): Boolean

+getBicycleID(): String

+getBicycleName(): String

+getBikeName(): String

+isSuccess(): Boolean

+getBikeName(): String

+getBikeId(): String

«control» «control» «control» «control» «control» Control::SignUp Control::LogOut Control::LogIn Control::ViewRentInfo Control::RentBicycle +addNewUser(id: String, password: String, phoneNumber: String): SignUpDTO +doLogin(userID: String, password: String): LoginDTO +doLogout(outUserID: String&): LogoutDTO +getRentInfo(): vector<ViewRentInfoDTO> +rentBicycle(bicycleID: String): RentBicycleDTO «control» Control::AddBicycle «entity» +addNewBicycle(bicycleID: String, bicycleName: String): AddBicycleDTO UserList «entity» -members: vector<Member> Member -currentUser: Member* «DTO» -userID: String 1 has a SignUpDTO +addNewMember(id: String, password: String, phoneNumber: String): void -password: String «DTO» «DTO» +validateUser(id: String, password: String): Boolean -phoneNumber: String LogoutDTO LoginDTO -id_: String +getCurrentUser(): Member -password_: String +getID(): String -id_: String +getInstance(): UserList& -success_: Boolean -phone_: String +getPassword(): String -pw_: String -userId_: String +clearCurrentUser(): void +getPhoneNumber(): String +getId(): String +setCurrentUser(member: Member): void +getId(): String +isSuccess(): Boolean +getPassword(): String +getPw(): String +getUserId(): String +getPhone(): String «DTO» «DTO» «DTO» AddBicycleDTO RentBicycleDTO ViewRentInfoDTO -success_: Boolean -success_: Boolean userID_: String -bicycleID_: String -bikeId_: String -bikeName_: String -bicycleName_: String -bikeName_: String «entity» +getUserID(): String