



«control» Control::SignUp
+memberList: vector<Member*> +signupUI: SignUpUI* +adminMember: AdminMember*
+SignUp() +getSignUpUI(): SignUpUI* +getMemberList(): vector<Member*>& +addAdmin(admin: AdminMember*) void +getAdmin(): AdminMember*

«boundary» User Interface::SignUpUI
+SignUpUI() +startInterface(): void +guessSignUp(signup: SignUp*, in_fp: ifstream&): void

«control» Control::AddBike
-bikeCollection: BikeCollection* +addBikeUI: AddBikeUI*
+AddBike(bikeCollection: BikeCollection*) +getAddBikeUI(): AddBikeUI* +addNewBike(bikeld: string, modelName: string): void

«boundary» User Interface::AddBikeUI
+AddBikeUI() +startInterface(): void +createNewBike(addBike: AddBike*, in_fp: ifstream&): void

«control» Control::Login
-signup: SignUp* -loginUI: LoginUI*
+Login(signup: SignUp*) +getLoginUI(): LoginUI* +verifyMember(id: string, password: string, currentUserId: string&): bool

«boundary» User Interface::LoginUI
+LoginUI() +startInterface(): void +login(login: Login*, in_fp: ifstream&, currentUserId: string): void

«control» Control::RentBike
-signup: SignUp* -bikeCollection: BikeCollection* -rentBikeUI: RentBikeUI*
+RentBike(signup: SignUp*, bikeCollection: BikeCollection*) +getRentBikeUI(): RentBikeUI* +rentBike(bikeld: string, currentUserId: string): void

«boundary» User Interface::RentBikeUI
+RentBikeUI() +startInterface(): void +selectBike(rentBike: RentBike*, in_fp: ifstream&, currentUserId: string): void

«control» Control::Logout
-logoutUI: LogoutUI*
+Logout() +getLogoutUI(): LogoutUI* +logout(currentUserId: string&): void

«boundary» User Interface::LogoutUI
+LogoutUI() +startInterface(): void +logout(logout: Logout*, out_fp: ofstream&, currentUserId: string&): void

«control» Control::RentalBikeInfo
-signup: SignUp* -bikeCollection: BikeCollection* -rentalBikeInfoUI: RentalBikeInfoUI*
+RentalBikeInfo(signup: SignUp*, bikeCollection: BikeCollection*) +getRentalBikeInfoUI(RentalBikeInfoUI*) +showRentedBikeList(currentUserId: string): void

«boundary» User Interface::RentalBikeInfoUI
+RentalBikeInfoUI() +startInterface(): void +selectRentalBikeInfoList(rentalInfo: RentalBikeInfo*, in_fp: ifstream&, currentUserId: string): void

«control» Control::Exit
-exitUI: ExitUI*
+Exit() +getExitUI(): ExitUI*

«boundary» User Interface::ExitUI
+selectExit(): void