

Group 4
CSCI 4050: Software Engineering
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2.1.1 Object Model

2.1.1.1 Data Dictionary 2.1.1.1.1 Entity Package

Class Name	User					
Purpose	The generalize enti	The generalize entity involved in a Car rental system transaction				
SuperClass	None					
SubClass	Administrator, Cus	stomer				
Attributes	Name	Type	Description			
	UserID	String	The ID of the User as defined by the			
			System Registration			
	password	String	The encryption on the user profile to be accessed			
	role	String	The role of the user defined by the system			
Operations	Name	Inputs	Description			
	Login	UserID, Password role	The login page allows users access to registered users within a system			
	Logout		The logout page allows users currently login in to exit there current system profile			
	updateProfile		The update profile operation allows for user to change and save their profile information			
Relationships	Super class of Adn	ninistrator, Customer				

Class Name	DriversLicense	DriversLicense			
Purpose	Provide driver's lie	cense information of	Customer		
SuperClass	None				
SubClass	None				
Attributes	Name	Name Type Description			
	number	String	The number on the		
			license		
	expiration	String	The expiration date		
	dateOfBirth	String	The date of birth on		
			the license		
Operations	Name	Inputs	Description		
Relationships	None				

Class Name	CreditCard	CreditCard			
Purpose	Provide credit card	l information of Custo	omer		
SuperClass	None				
SubClass	None				
Attributes	Name	Name Type Description			
	number	String	The number on the		
			card		
	expiration	String	The expiration date		
	code	Int	The CVC code		
Operations	Name	Inputs	Description		
Relationships	None				

Class Name	Customer				
Purpose	The generalization of gr	roup of Users lab	eled Customers		
SuperClass	Users				
SubClass	None				
Attributes	Name	Type	Description		
	Social Security	String	Customer social	security	
	Number		information for verification		
	firstName	String	Customer First n	ame	
	lastName	String	Customer Last na	ame	
	address	String	Customer Addres	SS	
	telephone	String	Customer Teleph	one number	
Operations	Name	Inputs	Outputs	Description	
	ViewMyInfo		Personal Information Display	Displays all personal information of the current logged in Customer	
	ViewAvailbileCars	CarName CarLocation	Available Cars	Displays the Cars available for rental by location	
	ViewMyRentalHistory		Rental History Report	Displays a current logged Customer rental history	
	ViewMyBillingInfo		Billing Report	Displays Current logged Customer billing report	
	ViewMyCarRental		Car Rental Report	Displays Customer past and present car rentals	
	EditMyInfo	FirstName LastName Address Telephone #	Updated Personal Information	Allows Customers to edit their information as needed	
Relationships	Subclass of the User A Customer can only rent 1 Car at a time A Customer can only edit personal information, but not vehicle information				

SuperClass Users SubClass None Attributes Name	Class Name	Administrator				
SubClass None None AdminID Int ID identifying the Administrator within the car rental system Inputs Information	Purpose	The generalization of group of Users labeled Administrator within the Car				
None		rental System				
Attributes	SuperClass	Users				
AdminID Int Within the car rental system First Name String First name address String Last name address String Address telephone String Telephone number Operations Operations ViewMyInfo ViewWehicles CarName CarLocation ViewRentalHistory ViewBillingHistory ViewCarRentals Customer Name Customer Name Ciustomer Name Customer Name Car Rental Report Car Rental Report Car Rental Report Car Rental Customer Name Car Rental Customer Name Car Rental Customer Name Customer N	SubClass	None				
AdminID	Attributes	Name	Type	Description		
First Name String Last name address String Address String Address Address Etelephone String Telephone number		AdminID		ID identifying the Administrator		
Last name Address String Address Telephone String Telephone number				within the car rent	tal system	
Last Name Address String Address		firstName	String	First name		
Address Elephone String Telephone number		lastName		Last name		
Operations Name Inputs Outputs Description ViewMyInfo Personal Information Display Displays all personal information of the current logged in administrator ViewVehicles CarName CarLocation Available Cars including model, make year, vin number, and repair history reports. Displays the Cars available within the Car rental system ViewRentalHistory Customer Name Report on any Customer within the system Displays a rental history or all customer by name ViewBillingHistory Customer Name Billing Report Customer History Billing reports ViewCarRentals Customer Name Car Rental Report Displays All Customer History Presonal Information EditVehicleInfo Vehicle Name Updated Vehicle Information Edit Vehicle Information EditCustomerInfo CustomerName Update Customer information adding and removing Customers		address		Address		
Operations Name Inputs Outputs Description ViewMyInfo Personal Information Display Displays all personal information of the current logged in administrator ViewVehicles CarName CarLocation Available Cars including model, make year, vin number, and repair history reports. Displays the Cars available within the Car rental system ViewRentalHistory Customer Name Report on any Customer within the system Displays a rental history or all customer by name ViewBillingHistory Customer Name Billing Report Customer History Billing reports ViewCarRentals Customer Name Car Rental Report Displays All Customer History Presonal Information EditVehicleInfo Vehicle Name Updated Vehicle Information Edit Vehicle Information EditCustomerInfo CustomerName Update Customer information adding and removing Customers		telephone	String	Telephone numbe	r	
ViewMyInfoPersonal Information DisplayDisplays all personal information of the current logged in administratorViewVehiclesCarName CarLocationAvailable Cars including model, make year, vin number, and repair history reports.Displays the Cars available within the Car rental systemViewRentalHistoryCustomer NameRental History Report on any Customer within the systemDisplays a rental history or all customer by nameViewBillingHistoryCustomer NameBilling ReportDisplays all Customer History pinameViewCarRentalsCustomer NameCar Rental ReportCustomer History Billing reportsEditVehicleInfoVehicle NameUpdated Vehicle InformationDisplays All Customer Car rental reportsEditCustomerInfoCustomerNameUpdate Customer Customer informationAllows Admin to edit customer information adding and removing Customers	Operations			•		
ViewVehicles CarName CarLocation Customer Name Customer Name Customer Name Customer Name CarLocation Customer Name Customer Webicle Name CarLocation Customer Webicle Name Customer Name CarLocation Customer Webicle Name Customer Name CarLocation Customer Webicle Name CarLocation Customer Webicle Name Customer Name CarLocation Customer Webicle Name CarLocation Customer Webicle Name CarLocation Customer History Customer History Billing Report Customer Customer Customer Customer Customer Allows Admin to edit customer information both adding and removing Customers Customers	•	ViewMyInfo		Personal Information Display	Displays all personal information of the current logged in	
ViewRentalHistoryCustomer NameReport on any Customer within the systemhistory for all customer by nameViewBillingHistoryCustomer NameBilling ReportCustomer History Billing reportsViewCarRentalsCustomer NameCar Rental ReportDisplays All Customer Car rental reportsEditVehicleInfoVehicle NameUpdated Vehicle InformationEdit Vehicle InformationEditCustomerInfoCustomerNameUpdate Customer information both adding and removing Customers		ViewVehicles		including model, make year, vin number, and repair history	Cars available within the Car	
ViewBillingHistory Name Customer Name Billing Report Customer History Billing reports Customer History Billing Report Customer History Billing Reports Customer History Billing Reports Displays All Customer Car rental reports EditVehicleInfo Vehicle Name Updated Vehicle Information Allows Admin to edit customer information both Personal Information Customer Personal Information Customers		ViewRentalHistory	Customer Name	Rental History Report on any Customer within	history for all customer by	
ViewCarRentals Customer Name Report Customer Car rental reports Updated Vehicle Information Life Information Allows Admin to edit customer Customer Personal Information Customer Car rental reports Life Update Vehicle Information Customer Allows Admin to edit customer adding and Information Customers		ViewBillingHistory		Billing Report	Customer History Billing	
EditVehicleInfo Name Information Information Allows Admin to edit customer Customer Personal Information Customer Customer Personal Information Customer Customers		ViewCarRentals			Customer Car	
EditCustomerInfo CustomerName Update Customer Customer Personal Information removing Customers		EditVehicleInfo			Edit Vehicle Information	
		EditCustomerInfo	CustomerName	Customer Personal	to edit customer information both adding and removing	
	Relationships	Subclass of User	<u>I</u>	1		

An administrator can edit Vehicle Information, and Customer information on
Request

Class Name	VehicleType				
Purpose	An entity class	for storing inform	nation on vehicle typ	es	
SuperClass	None				
SubClass	None				
Attributes	Name	Name Type Description			
	name	name String The name of the vehicle type			
	hourly_rate	Double	The hourly pri	ce of the vehicle type	
	daily_rate	Double	The daily price	e of the vehicle type	
Operations	Name	Inputs	Outputs	Description	
				_	
Relationships	None		·		

Class Name	Vehicle	Vehicle				
Purpose	An entity class f	or storing inform	ation on vehicles in th	ne fleet		
SuperClass	None					
SubClass	None					
Attributes	Name	Type	Description			
	make	String	The make of the	vehicle		
	model String The model of the vehicle					
	year	year Integer The manufacture year of the vehicle				
	tag	tag String The registration tag of the vehicle				
	mileage	Integer	The current mile	eage of the vehicle		
	last_serviced	Date	The last date the	e vehicle was		
			serviced			
	condition String The condition of the vehicle					
Operations	Name	Inputs	Outputs	Description		
Relationships	A vehicle belong	A vehicle belongs to 1 location				

Class Name	Location					
Purpose	An entity class for	storing information or	n point of presence	POP locations		
SuperClass	None					
SubClass	None					
Attributes	Name	Type	Description			
	name String The name of the location					
	address	address String The address of the location				
	vehicle capacity	vehicle capacity Integer The capacity of the location				
	vehicles	ArrayList <vehicle></vehicle>	The list of vehicle	s assigned to the		
		-	location	_		
Operations	Name	Inputs	Outputs	Description		
Relationships	None					

Class Name	Membership	Membership				
Purpose	An entity class for	or storing inforn	nation on membersh	ip tiers		
SuperClass	None					
SubClass	None					
Attributes	Name	Name Type Description				
	name	name String The name of the membership tier				
	monthly price	Double	The price of o	one month's service		
	duration	Integer	The length of	membership in		
			months			
Operations	Name	Inputs	Outputs	Outputs Description		
Relationships	A customer belongs to 1 membership					

2.1.1.1.2 user.control package

Class Name	User				
Purpose	This control class allows a User to complete actions associated with login				
	and profile modifi	cation			
SuperClass	None				
SubClass	None				
Attributes	Name	Type	Description		
Onemations	Nome	Tomasta	Ontonto	Dagawintian	
Operations	Name	Inputs	Outputs	Description	
	login	username password		Logs the user in with the appropriate permissions	
	logout			Logs the user out	
	loadProfile	username		Gets all relevant information related to the username	
	updateProfile	profile	Boolean	Updates profile information and returns confirmation with Boolean	
	registerCustomer	username password address creditcard driverlicense	Boolean	Allows a User to register as a customer	
	vehicleSearch	name		Performs a search of vehicles in the fleet	
Relationships	None				

2.1.1.1.3 user.boundary package

	boundary pacin	g.		
Class Name	LoginUI			
Purpose	This boundar	This boundary class allows a User to log in		
SuperClass	None	None		
SubClass	None			
Attributes	Name	Type	Description	
Operations	Name	Inputs	Outputs	Description
	login	username password		Verify the user and logs the user with appropriate permissions
Relationships	None	<u>'</u>		, -

Class Name	LogoutUI				
Purpose	This boundar	This boundary class allows a User to log out			
SuperClass	None	None			
SubClass	None				
Attributes	Name	Type	Description		
Operations	Name	Inputs	Outputs	Description	
	laggut			Logs the user	
	logout			out	
Relationships	None				

Class Name	ChangeProfileUI				
Purpose	This boundary class allows a User to perform profile changes				
SuperClass	None	None			
SubClass	None				
Attributes	Name	Type	Description		
Operations	Name	Inputs	Outputs	Description	
	updateProfile	profile		Updates the	
				profile of a user	
				Saves changes of	
	saveProfile	profile	Boolean	profile change to	
				data structure	
Relationships	None				

Class Name	RegisterUI				
Purpose	This boundary cla	This boundary class allows a User to register as a customer			
SuperClass	None				
SubClass	None				
Attributes	Name Type Description				
Operations	Name	Inputs	Outputs	Description	
	registerCustomer	username password address creditcard driverlicense	Boolean	Registers a customer	
Relationships	None				

Class Name	SearchUI				
Purpose	This boundar	This boundary class allows a User to search the vehicle fleet			
SuperClass	None	None			
SubClass	None				
Attributes	Name	Type	Description		
Operations	Name	Inputs	Outputs	Description	
	serach	keyword	List	Gets a list of available vehicles based on keyword	
Relationships	None		·		

2.1.1.1.4 administrator.control package

Class Name	UserAdd				
Purpose	This control c	This control class allows Administrator to add users of all permissions			
SuperClass	None	None			
SubClass	None				
Attributes	Name	Type	Description		
Operations	Name	Inputs	Outputs	Description	
	addUser	username password	Boolean	Adds a user to the database with Boolean confirmation	
Relationships	None				

Class Name	VehicleRemove					
Purpose	This control class	This control class allows Administrator to remove a vehicle from the				
	system	system				
SuperClass	None	None				
SubClass	None	None				
Attributes	Name	Type	Description			
Operations	Name	Inputs	Outputs	Description		
				Removes a vehicle from the		
	removeVehicle	vehicleProfile	Boolean	fleet with		
				Boolean		
				conformation		
Relationships	None	-		·		

Class Name	VehicleTypeRemove			
Purpose	This control class allows a Administrator to remove a vehicle type from the			
	system			
SuperClass	None			
SubClass	None			
Attributes	Name	Type	Description	
Operations	Name	Inputs	Outputs	Description
	removeVehicleType	vehicleType	Boolean	Removes a vehicletype from the database with confirmation
Relationships	None			

2.1.1.1.5 administrator.boundary package

Class Name	UserAddUI				
Purpose	This boundary	This boundary class allows an Administrator to add a user to the domain			
SuperClass	None	None			
SubClass	None				
Attributes	Name	Type	Description		
Operations	Name	Inputs	Outputs	Description	
	addUser	username password	Boolean	Adds a user to the system confirmation	
Relationships	None	1		·	

Class Name	RemoveVehicleUI				
Purpose	This boundary class allows Administrator to remove a vehicle from the				
	fleet				
SuperClass	None	None			
SubClass	None				
Attributes	Name	Type	Description		
Operations	Name	Inputs	Outputs	Description	
				Removes a	
	removeVehicle	vehicleProfile	Boolean	vehicle from the	
		venicierionie	Doolean	fleet with	
				conformation	
Relationships	None				

Class Name	RemoveVehicleTypeUI			
Purpose	This boundary class allows Administrator to remove a vehicletype from the			
	system			
SuperClass	None			
SubClass	None			
Attributes	Name	Type	Description	
Operations	Name	Inputs	Outputs	Description
	removeVehicleType	vehicleType	Boolean	Removes a vehicletype from the site with confirmation
Relationships	None		1	

Class Name	VehicleTypeUI				
Purpose	This boundary class a	allows a Adminis	trator to perform	actions on the vehicle	
	types				
SuperClass	None				
SubClass	None				
Attributes	Name	Type	Description		
Operations	Name	Inputs	Outputs	Description	
	addVehicleType	name hourly_rate daily_rate	Boolean	Adds a vehicle type to the system with Boolean confirmation	
	modifyVehicleType	vehicleType	Boolean	Modifies a vehicle type information with Boolean confirmation	
Relationships	None	ı	1	,	
Class Name	UserUI				
Purpose	This boundary class a	allows an Admin	istrator to view in	formation on users	
SuperClass	None				
SubClass	None				
Attributes	Name	Type	Description		
0 4:	NT	T	0.4.4	D : (
Operations	Name	Inputs	Outputs	Description	
	listUser	keyword	List	Lists users based on keyword match	
Relationships	None			1	

2.1.1.1.8 customer.control package

2.11.11.10 Cuptor	ner teoriti or package			
Class Name	Membership			
Purpose	This control class allows a Customer to perform actions to their membership			
_	options			
SuperClass	None			
SubClass	None			
Attributes	Name	Type	Description	
Operations	Name	Inputs	Outputs	Description
	terminateMembership		Boolean	Terminates a membership of a customer with Boolean confirmation
Relationships	None			

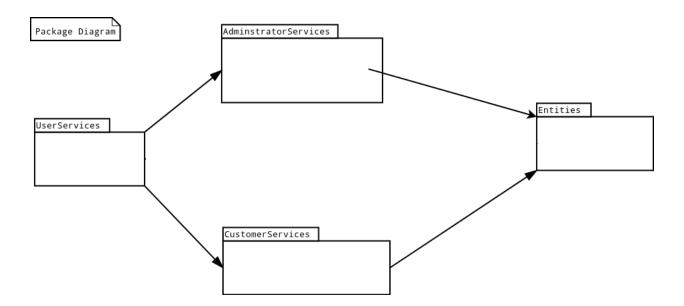
Class Name	VehicleReservati	VehicleReservation			
Purpose	This control class allows a Customer to preform actions related to renting a vehicle				
SuperClass	None	None			
SubClass	None	None			
Attributes	Name	Type	Description		
Operations	Name	Inputs	Outputs	Description	
Operations	reserveVehicle	vehicleProfile	Boolean	Reserves a vehicle with Boolean confirmation	
	returnVehicle	vehicleProfile	Boolean	Checks a vehicle back into the fleet of available vehicles with Boolean confirmation	
Relationships	None	,	,	,	

2.1.1.1.9 customer.boundary package

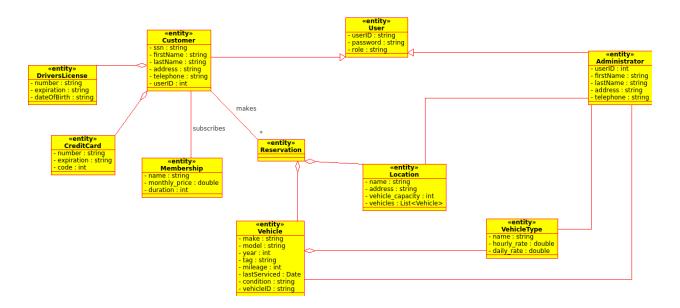
Class Name	MembershipUI			
Purpose	This boundary class allows a Customer to terminate their membership			
SuperClass	None			
SubClass	None			
Attributes	Name	Type	Description	
Operations	Name	Inputs	Outputs	Description
	terminateMembership		Boolean	Terminates a customer's membership with conformation
Relationships	None	1	1	-

Class Name	ReservationUI			
Purpose	This boundary class allows a Customer to reserve a vehicle			
SuperClass	None			
SubClass	None			
Attributes	Name	Type	Description	
Operations	Name	Inputs	Outputs	Description
	reserveVehicle	vehicleProfile	Boolean	Reserves a vehicle with Boolean confirmation
	returnVehicle	vehicleProfile	Boolean	Checks a vehicle back into the fleet of available vehicles with Boolean confirmation
Relationships	None		l	

2.1.1.2 Class Diagrams 2.1.1.2.1 Package Diagram



2.1.1.2.2 Entity Package



2.1.1.2.3 user.control package

control
User

+ login(username : string, password : string)
+ logout()
+ updateProfile(profile : profile) : bool
+ loadProfile(username : string)
+ registerCustomer(username : string)
+ registerCustomer(username : string, password : string, address : string, creditCard : CreditCard, driverlicense : DriverLicense) : bool
+ vehicleSearch(name : string)

2.1.1.2.4 user.boundary package

boundary
LoginUI

+ login(username : string, password : string)

«boundary»
logoutUI
+ logout()

«boundary» changeProfileUI + updateProfile(profile: Profile) + saveProfile(profile: Profile): bool

*boundary»
registerUI

+ registerCustomer(username : string, password : string, address : string, creditCard : CreditCard, driverLicense : DriverLicense) : bool

«boundary» searchUI + search(keyword : string)

2.1.1.2.5 administrator.control package

 2.1.1.2.6 administrator.boundary package

«boundary» UserAddUI

+ addUser(username : string, password : string) : bool

«boundary» RemoveVehicleUI

+ removeVehicle(vehicleProfile : Vehicle) : bool

«boundary» RemoveVehicleTypeUI

+ removeVehicleType(vehicleType : VehicleType) : bool

2.1.1.2.9 customer.control package

«control» Membership

+ terminateMembership(): bool

«control» VehicleReservation

+ reserveVehicle(vehicleProfile : Vehicle) : bool + returnVehicle(vehicleProfile : Vehicle) : bool

2.1.1.2.10 customer.boundary package

«boundary» MembershipUI

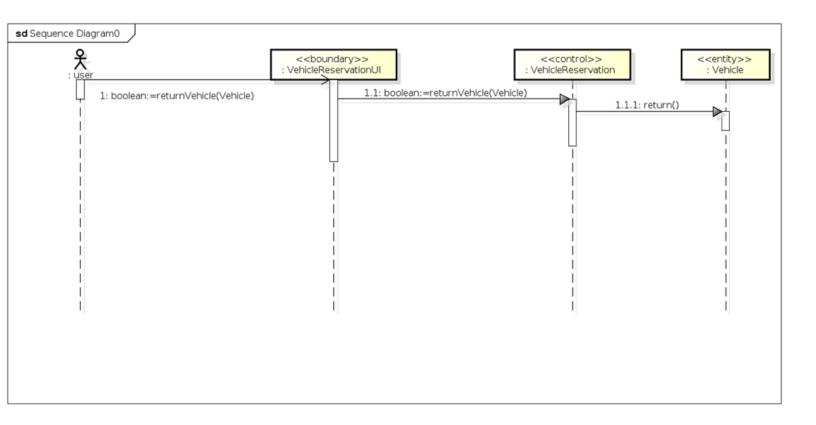
+ terminateMembership(): bool

«boundary» VehicleReservationUI

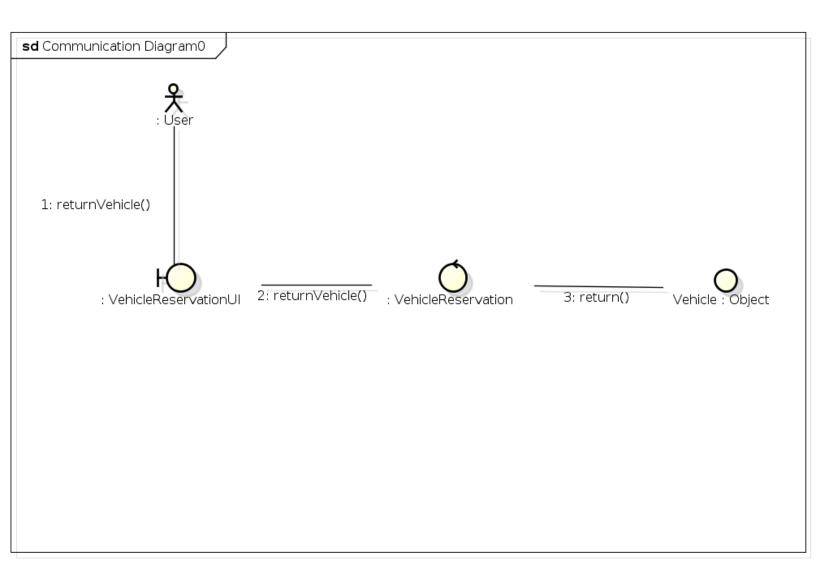
+ reserveVehicle(vehicleProfile : Vehicle) : bool + returnVehicle(vehicleProfile : Vehicle) : bool

2.1.2 Dynamic Model – Sequence & Communication Diagrams

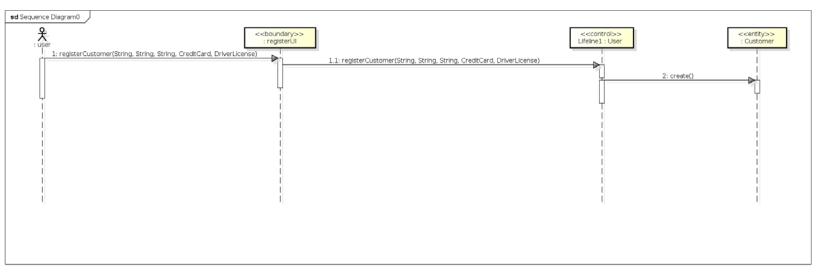
2.1.2.1 ReturnVehicle – Sequence Diagram



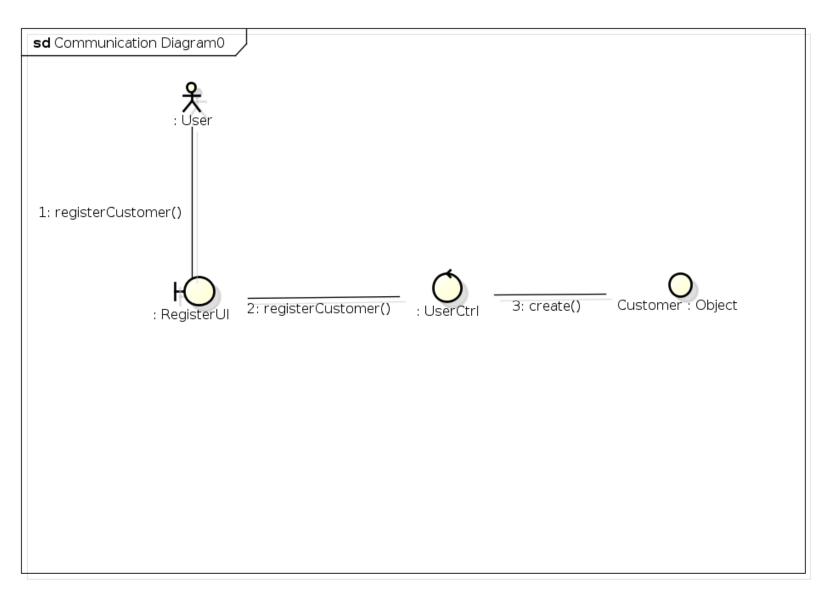
${\bf 2.1.2.1\ Return Vehicle-Communication\ Diagram}$



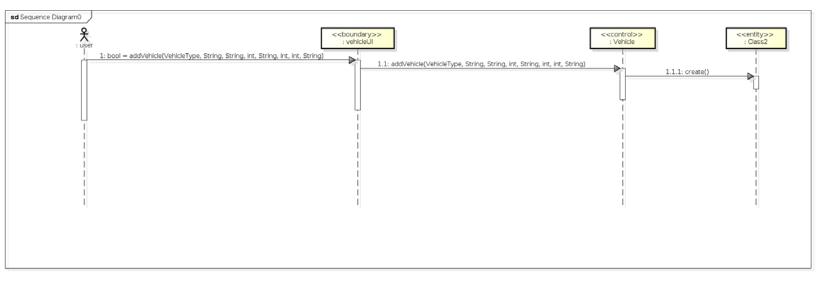
2.1.2.2 RegisterCustomer– Sequence Diagram



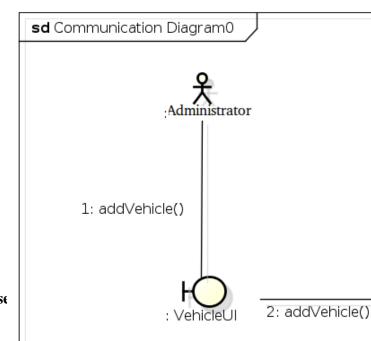
2.1.2.2 RegisterCustomer- Communication Diagram



2.1.2.3 AddVehicle – Sequence Diagram

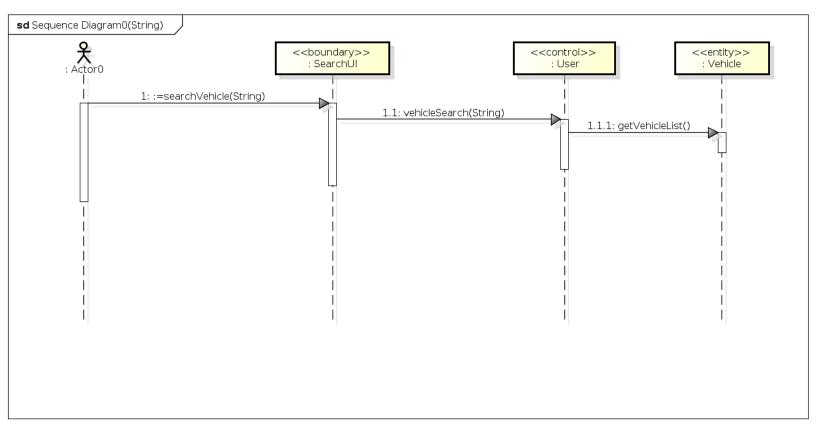


2.1.2.3 AddVehicle - Communication Diagram

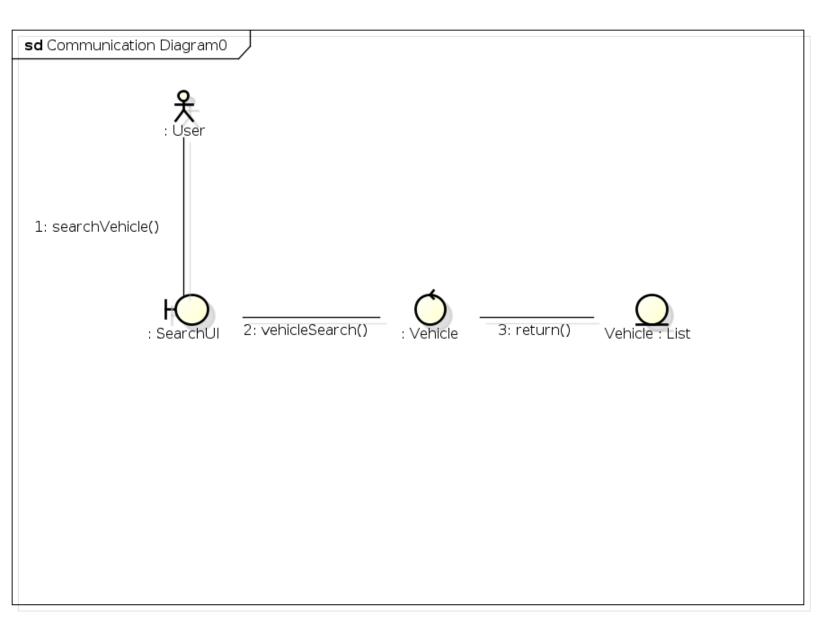


2.4.4.3 AddVehicle - Communication Diagram - Use

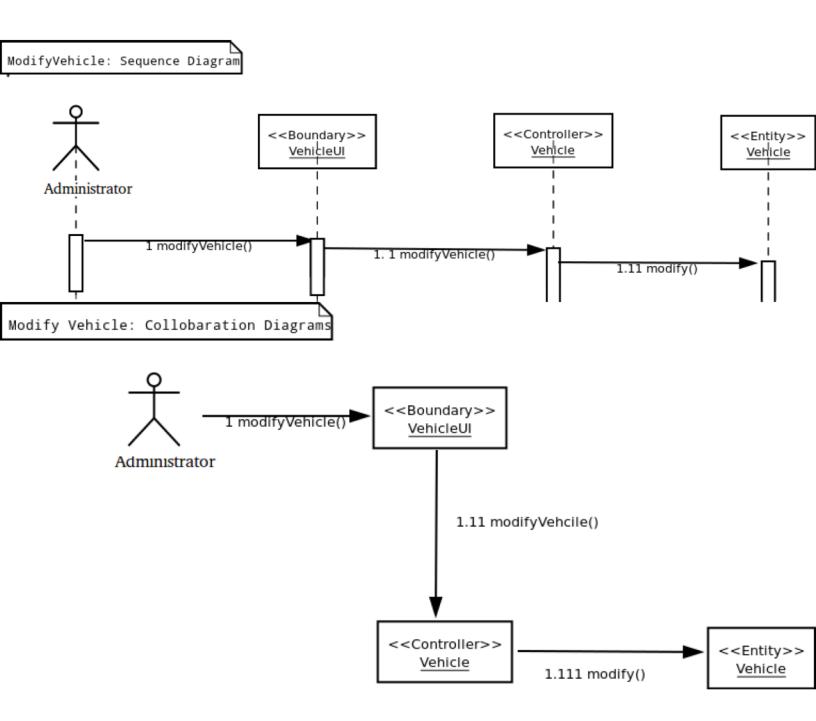
${\bf 2.1.2.4\; List Vehicle-Sequence\; Diagram}$



${\bf 2.1.2.4\; List Vehicle-Communication\; Diagram}$

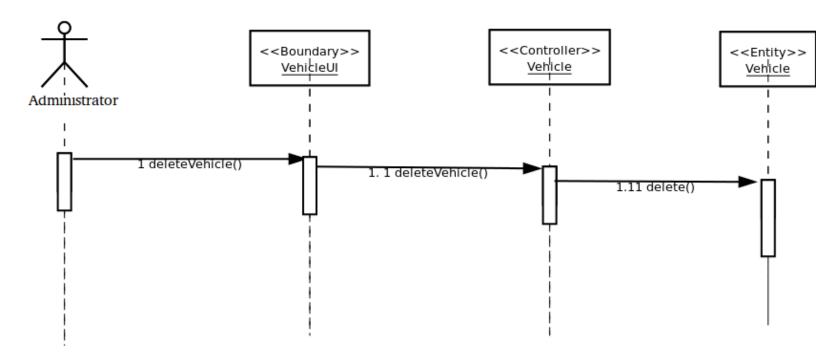


2.1.2.5 ModifyVehicle - Sequence Diagram



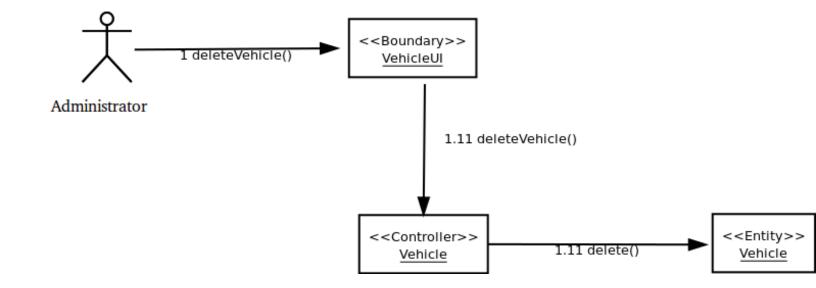
2.1.2.6 DeleteVehicle – Sequence Diagram





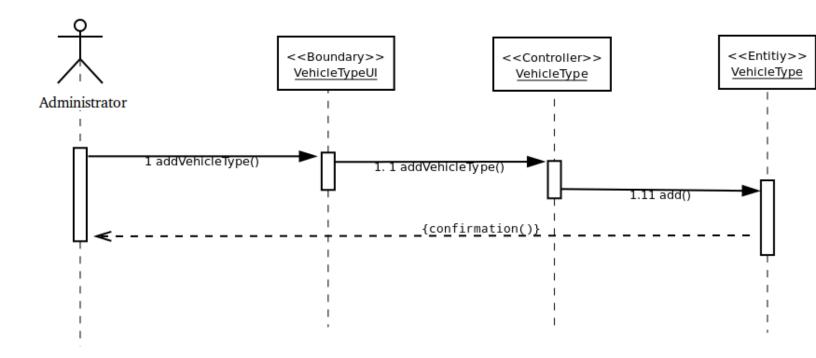
2.1.2.6 DeleteVehicle – Communication Diagram

DeleteVehicle: Collaboration Diagram



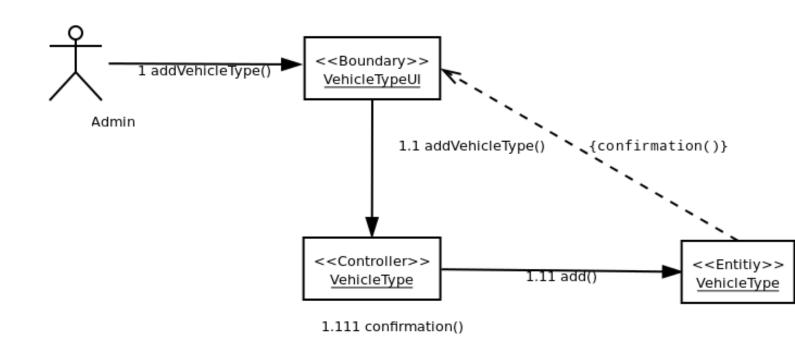
2.1.2.7 AddVehicleType – Sequence Diagram



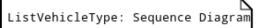


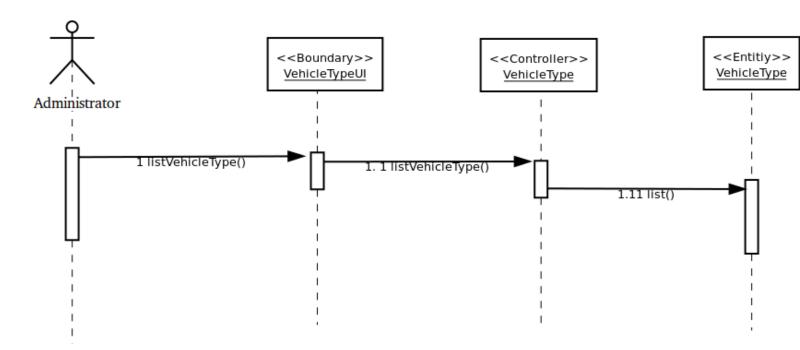
2.1.2.7 AddVehicleType – Communication Diagram

AddVehicleType: Collaboration Diagram



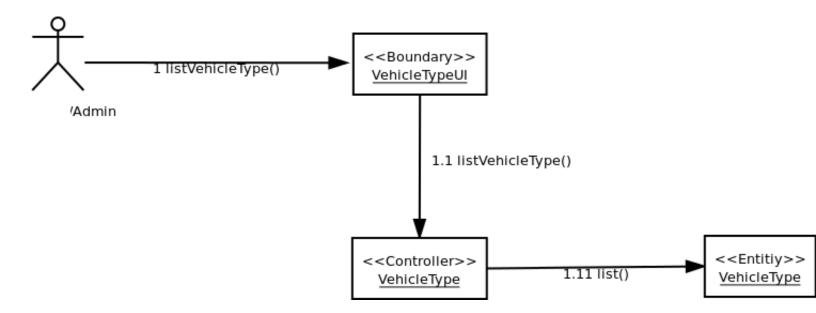
${\bf 2.1.2.8\; List Vehicle Type-Sequence\; Diagram}$





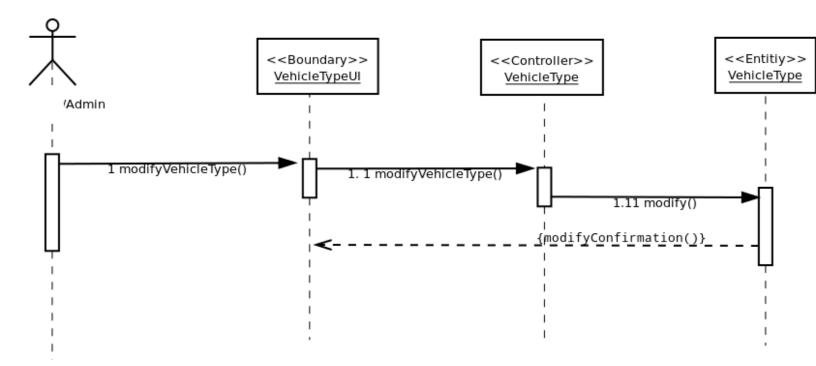
2.1.2.8 ListVehicleType – Communication Diagram

ListVehicleType: Collaboration Diagram



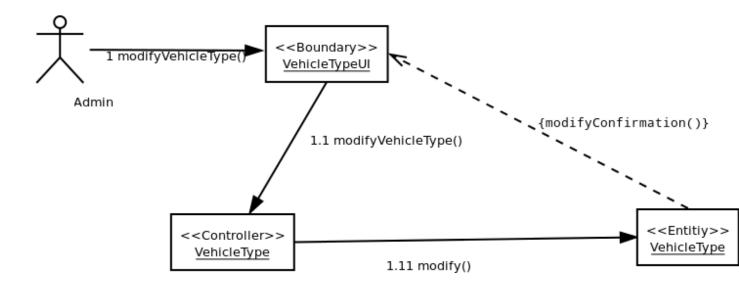
2.1.2.9 ModifyVehicleType – Sequence Diagram

ModifyVehicleType: Sequence Diagram



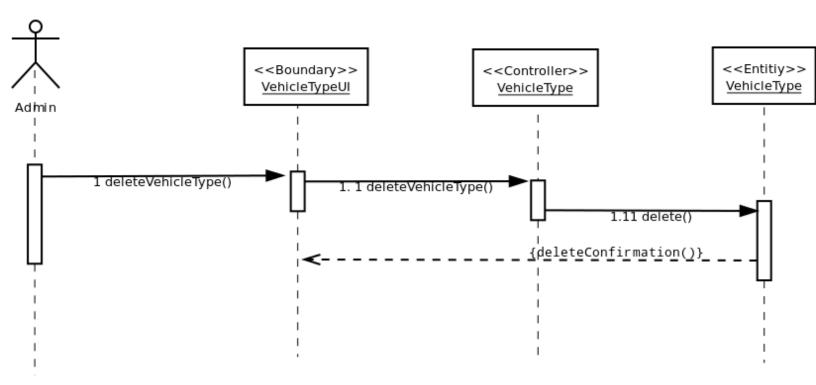
2.1.2.9 ModifyVehicleType – Communication Diagram

ModifyVehicleType: Collobration Diagram



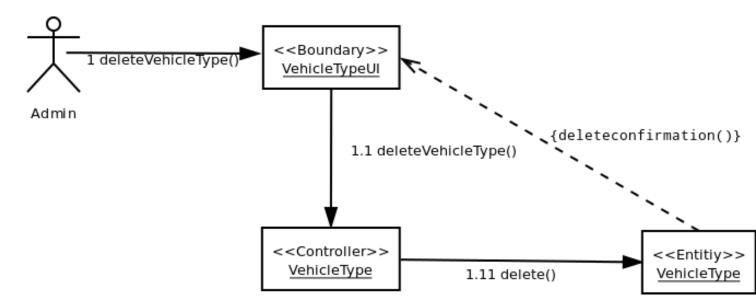
2.1.2.10 DeleteVehicleType – Sequence Diagram

DeleteVehicleType: Sequence Diagram

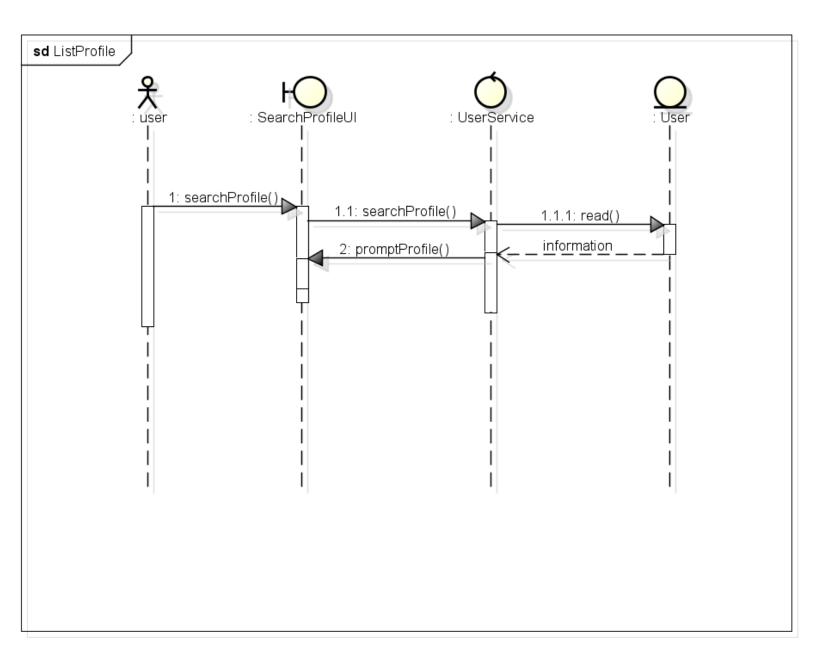


2.1.2.10 DeleteVehicleType – Communication Diagram

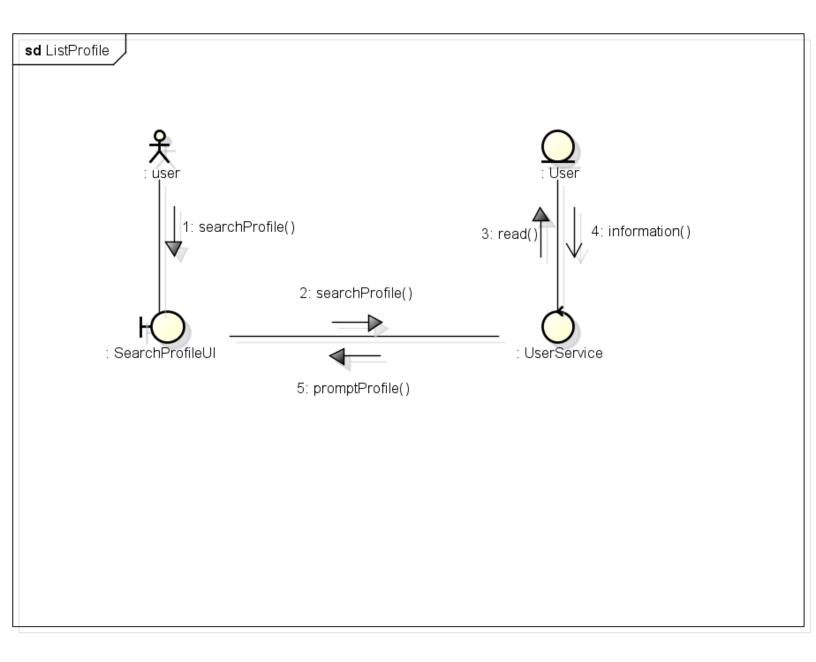




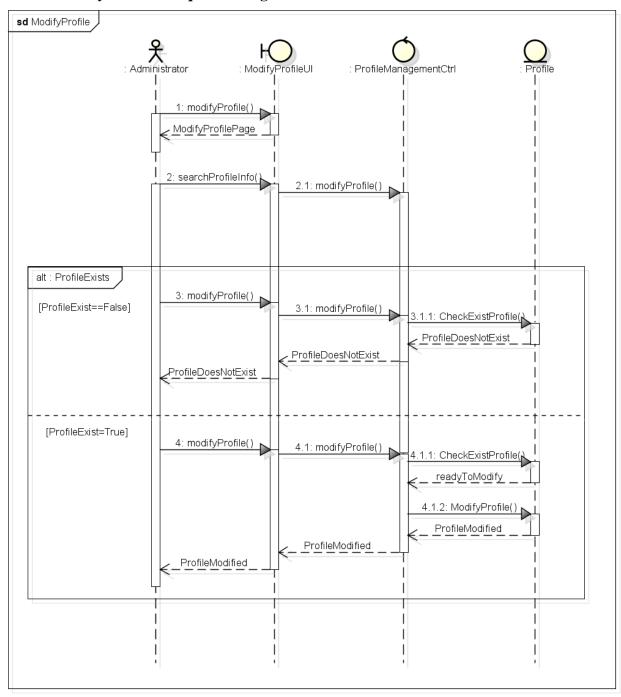
2.1.2.11 ListProfile – Sequence Diagram



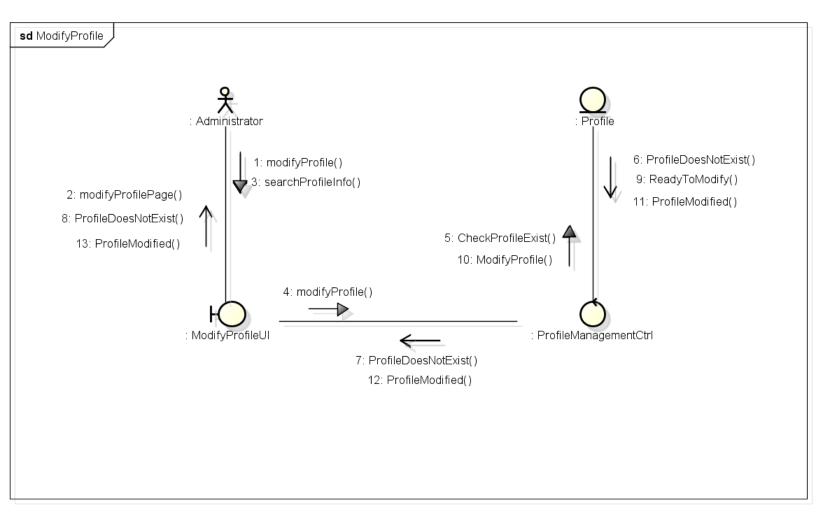
2.1.2.11 ListProfile – Communication Diagram



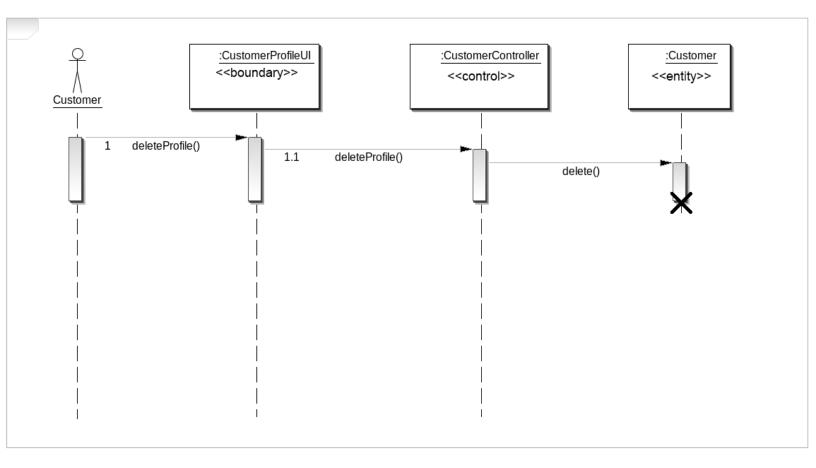
2.1.2.12 ModifyProfile – Sequence Diagram



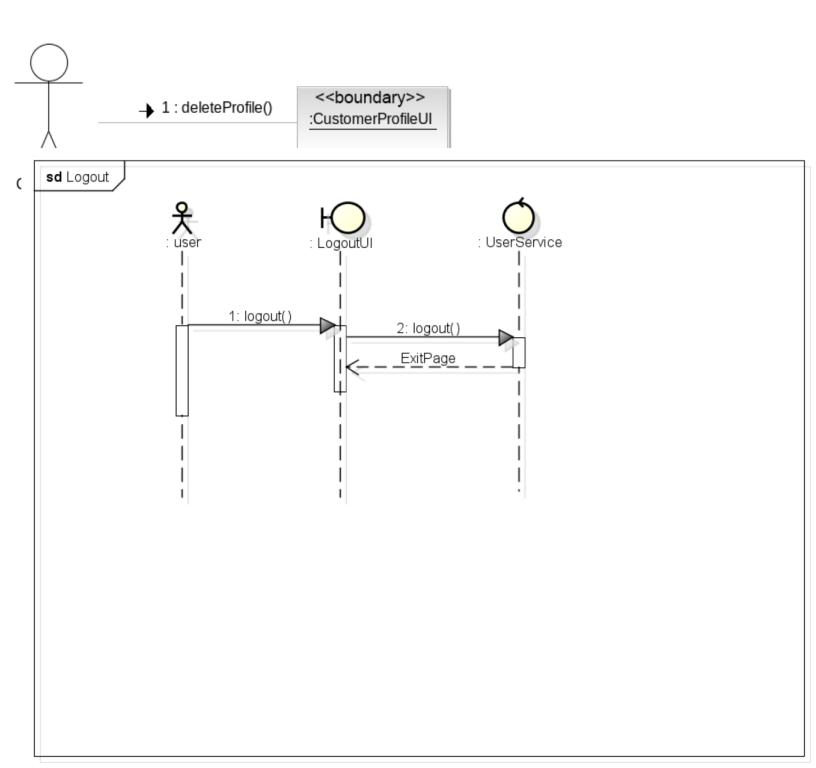
2.1.2.12 ModifyProfile – Communication Diagram



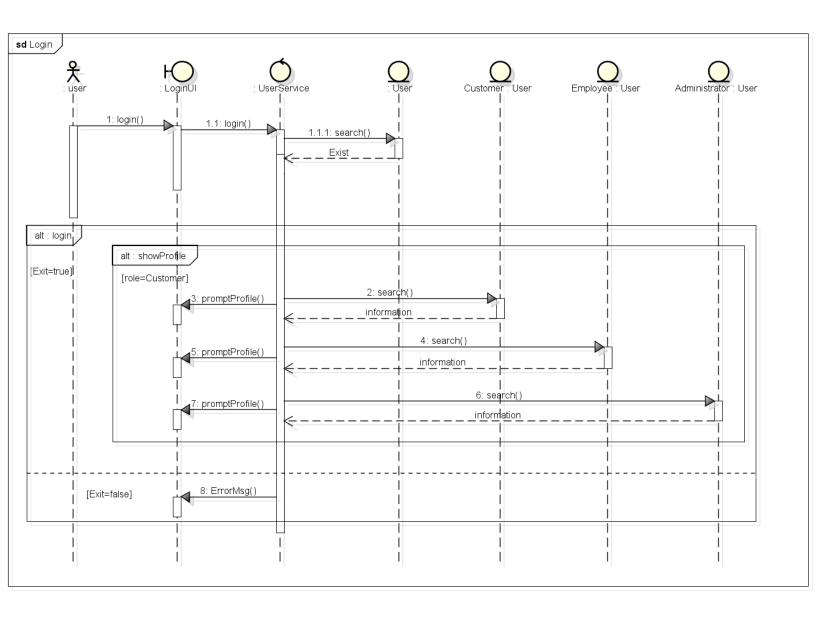
${\bf 2.1.2.13\ Delete Profile-Sequence\ Diagram}$



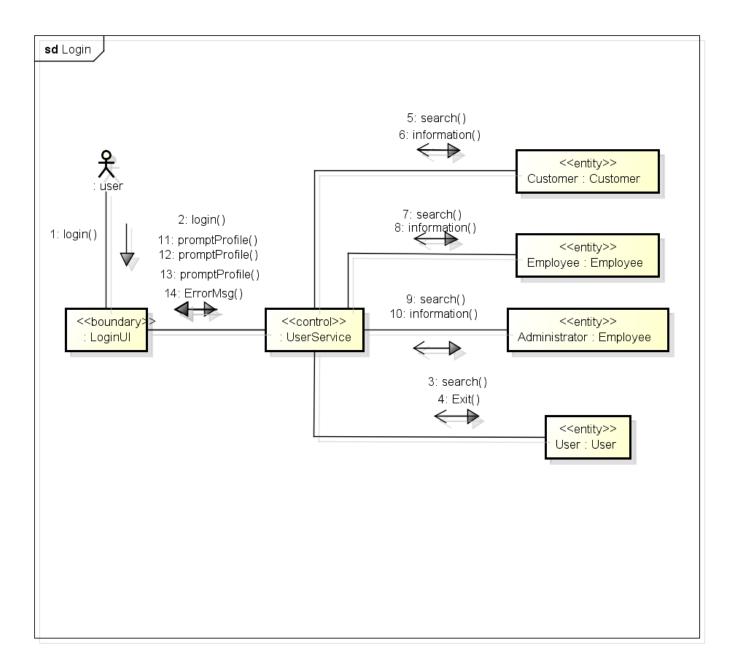
2.1.2.13 DeleteProfile - Communication Diagram



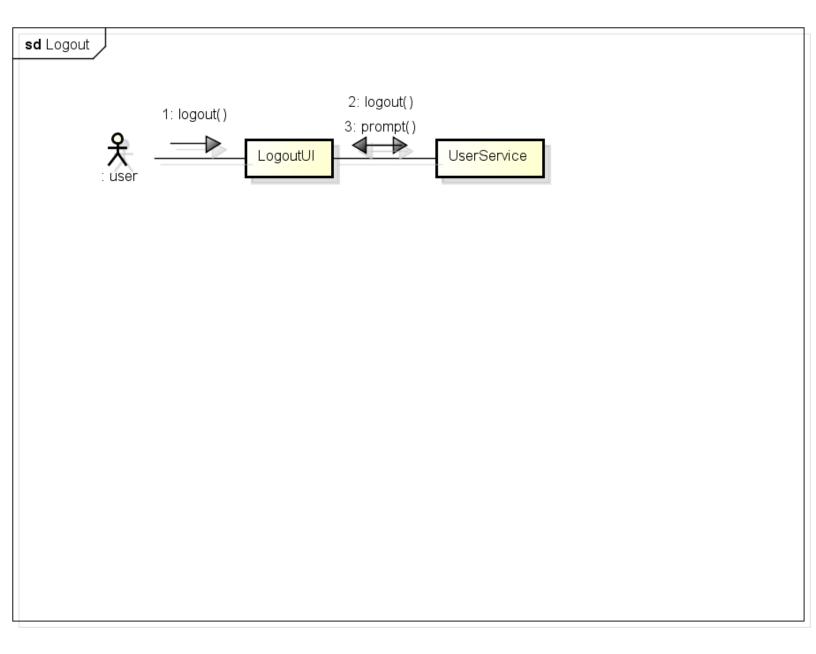
2.1.2.14 Login – Sequence Diagram



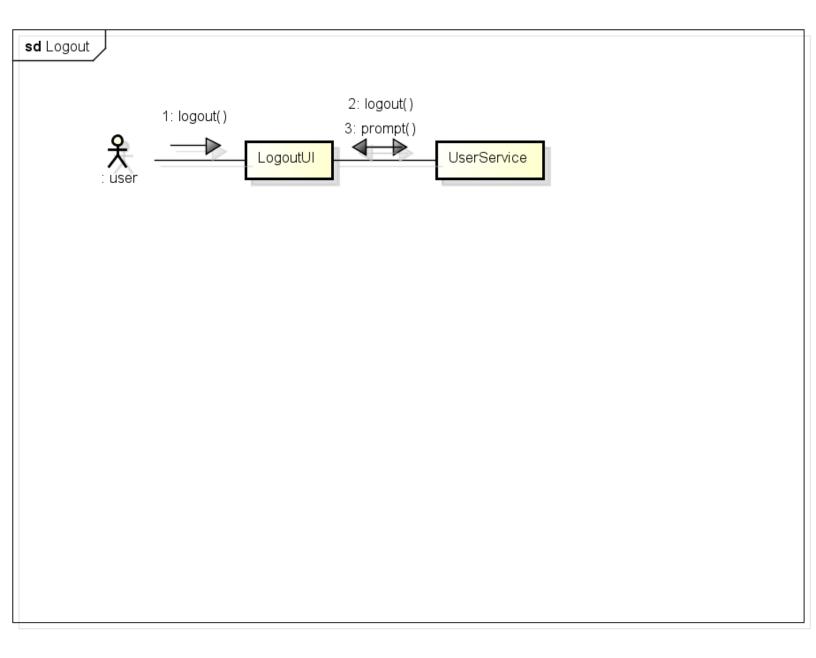
2.1.2.14 Login – Communication Diagram



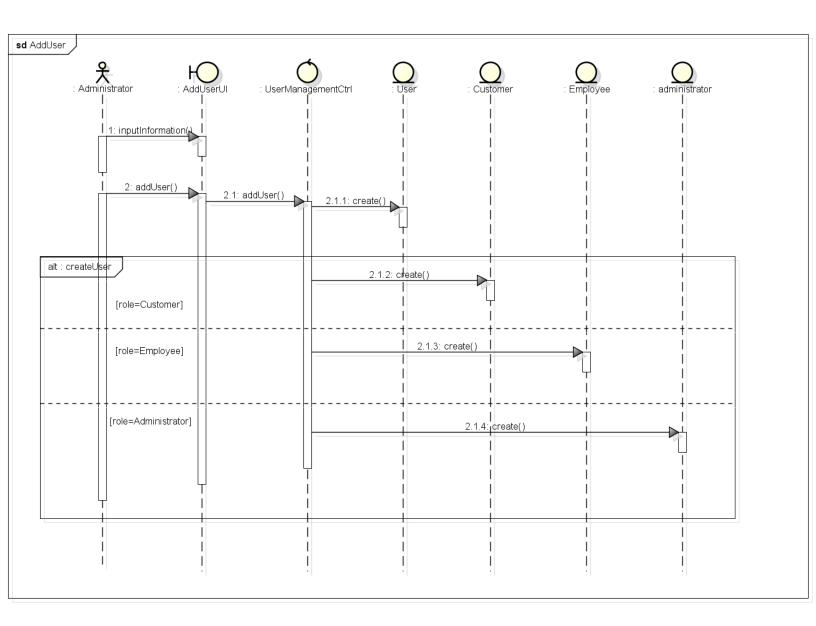
2.1.2.15 Logout – Sequence Diagram



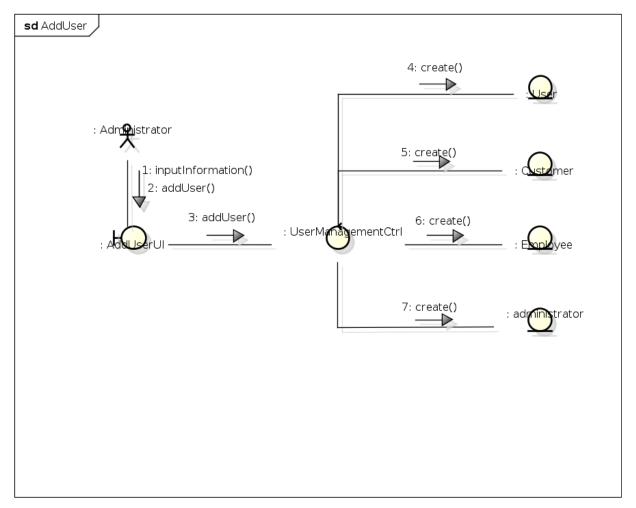
2.1.2.15 Logout – Communication Diagram



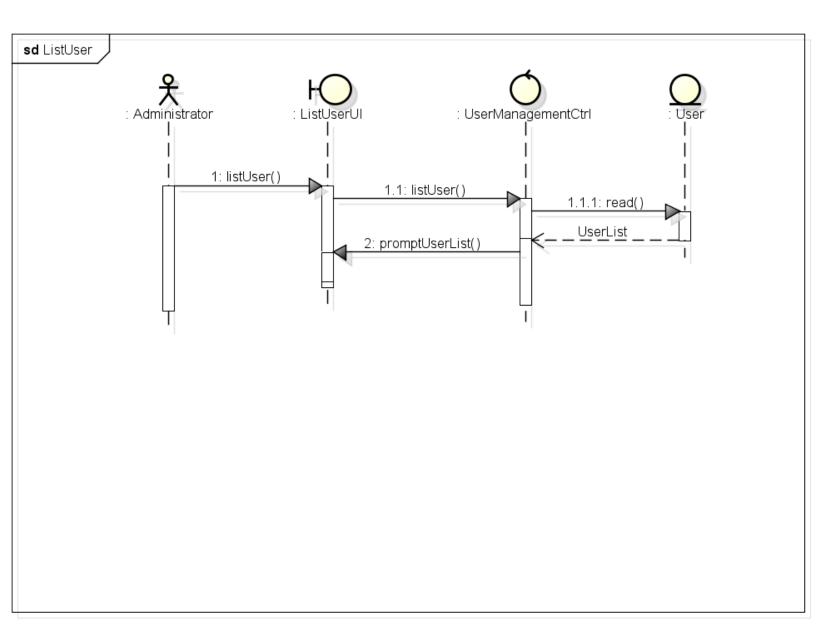
2.1.2.16 AddUser – Sequence Diagram



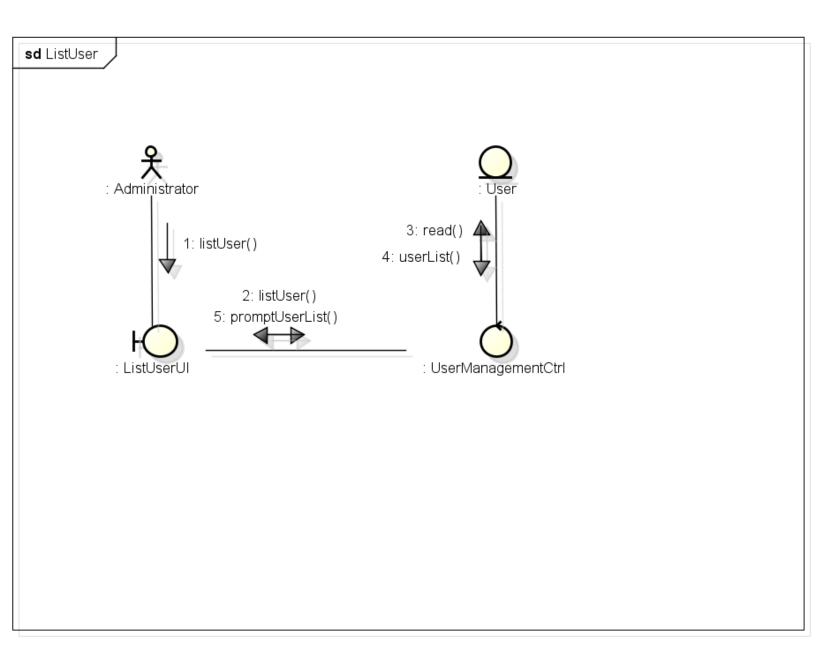
2.1.2.16 AddUser - Communication Diagram



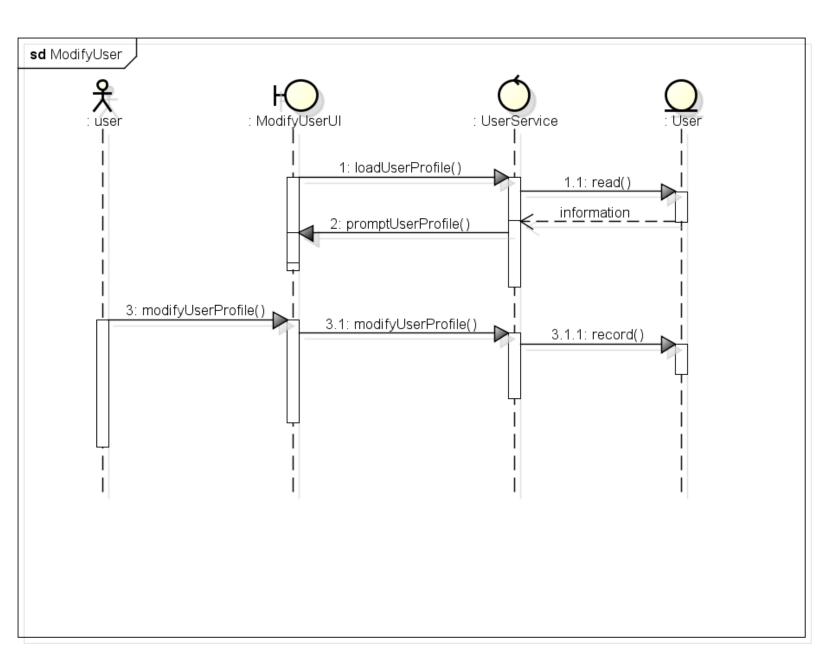
2.1.2.17 ListUser – Sequence Diagram



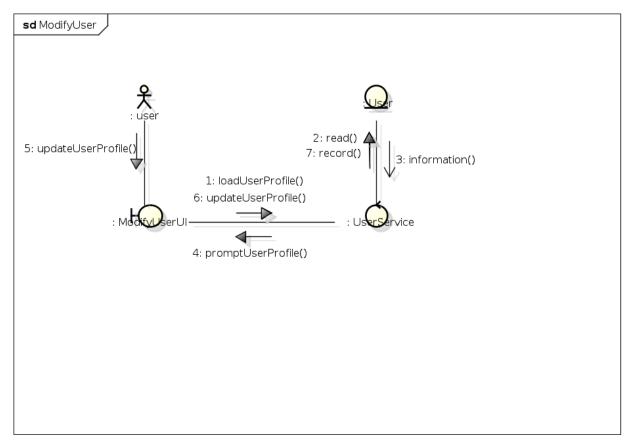
2.1.2.17 ListUser - Communication Diagram



2.1.2.18 ModifyUser - Sequence Diagram

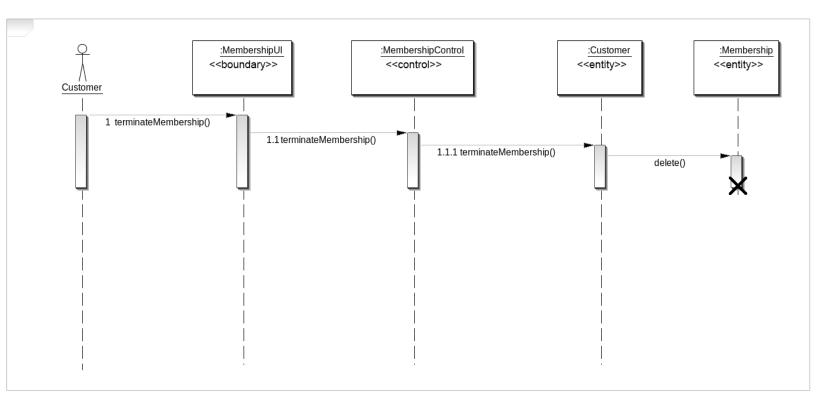


2.1.2.18 ModifyUser – Communication Diagram

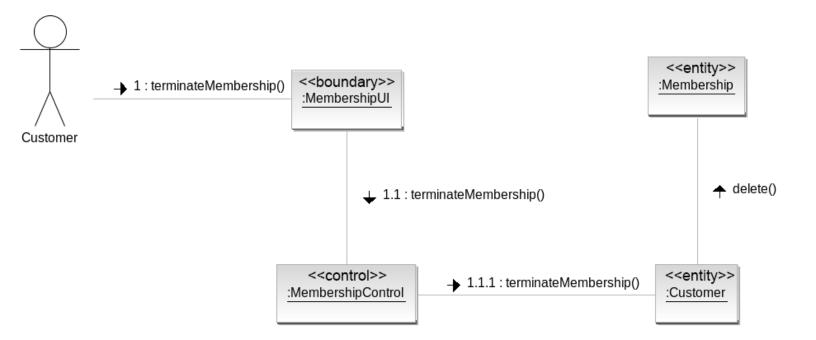


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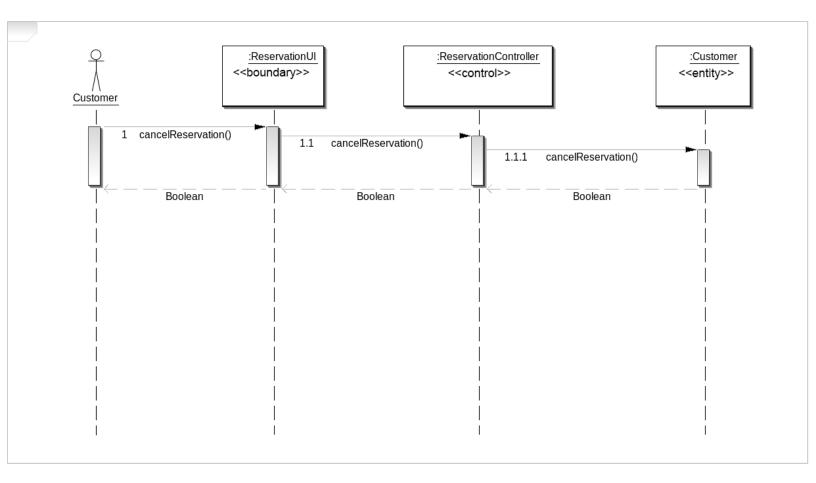
2.1.2.19 TerminateMembership – Sequence Diagram



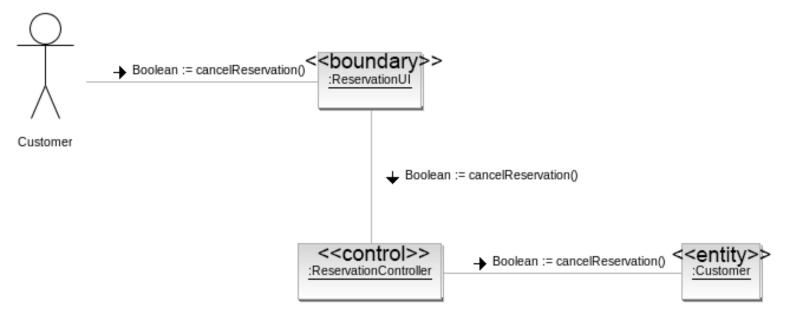
2.1.2.19 TerminateMembership – Communication Diagram



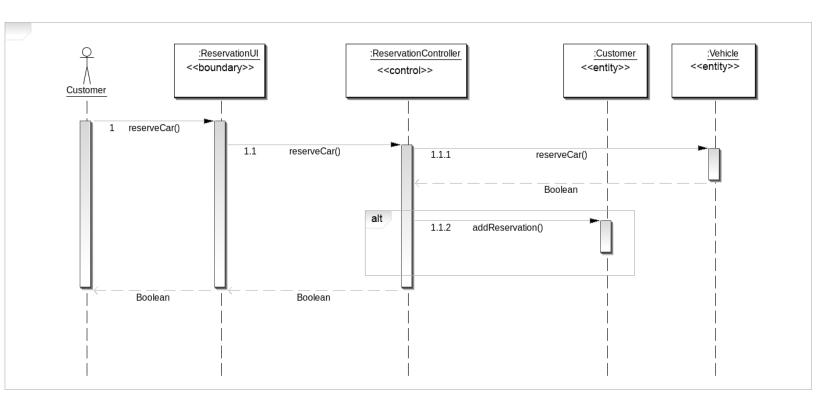
2.1.2.20 CancelReservation – Sequence Diagram



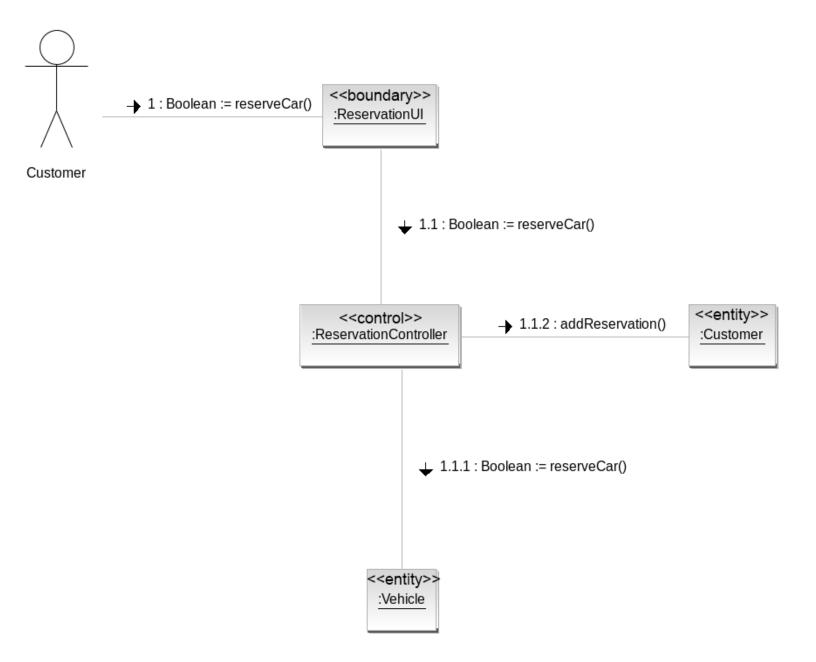
2.1.2.20 CancelReservation – Communication Diagram



2.1.2.21 ReserveCar – Sequence Diagram



2.1.2.21 ReserveCar - Communication Diagram



3. Glossary

Term	Definition
Entity Classes	Model the information handled by the Car rental
	system. (Ex: Vehicles, Customer Profiles, etc.)
Boundary Classes	Handle communication between actors and system
	internals. (Ex: Administrator-Database Communication
	is an example)
Control Classes	Classes that handle the flow of control for our use
	cases. (Ex: Switching UI display from Search to Search
	Results)
Control Service Package	A bundle of Control Classes
Boundary Services Package	A bundle of Boundary Classes
Entity Service Package	A bundle of Entity Classes
{User Type}.boundary	Object model we have reference with the following set-
	up these are a reference to a particular
	user{administrator or customer} it allows us to specify
	which set of boundary classes we are addressing. (Ex:
	administrator .boundary package}
{UserType}.control	Object model we have reference with the following set-
	up these are a reference to a particular
	user{administrator or customer} it allows us to specify
	which set of boundary classes we are addressing. (Ex:
	administrator.control }
{UserType}.entity	Object model we have reference with the following set-
	up these are a reference to a particular
	user{administrator or customer} it allows us to specify
	which set of boundary classes we are addressing. (Ex:
	administrator.boundary)
{ActionWord}UI	The Following notation within our notation defines the
	actual action, and user interface displayed with the
	associated with our action. This gives our system
	readability and understanding (Ex: SearchProfileUI,
	VehicleTypeUI, etc).