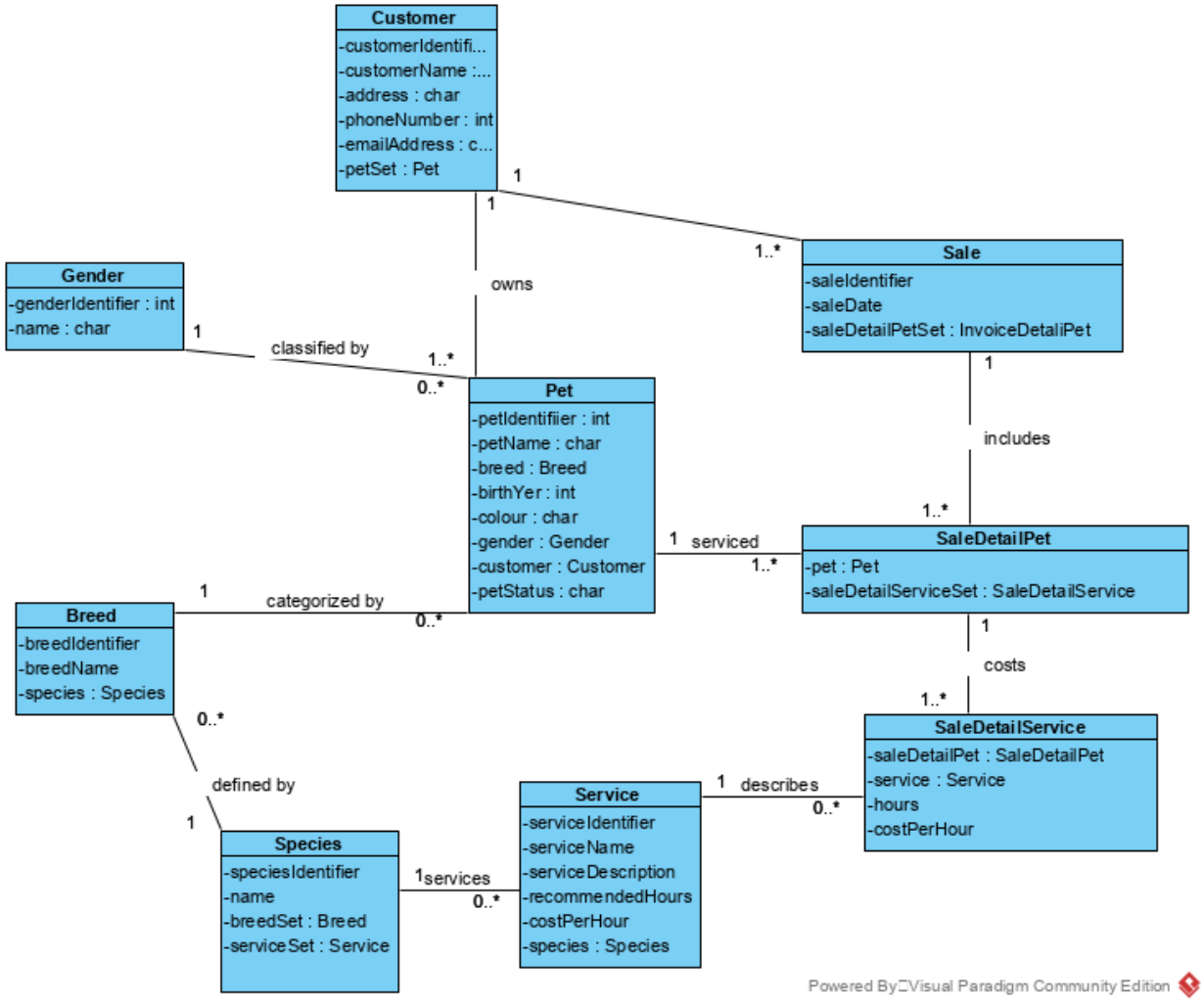
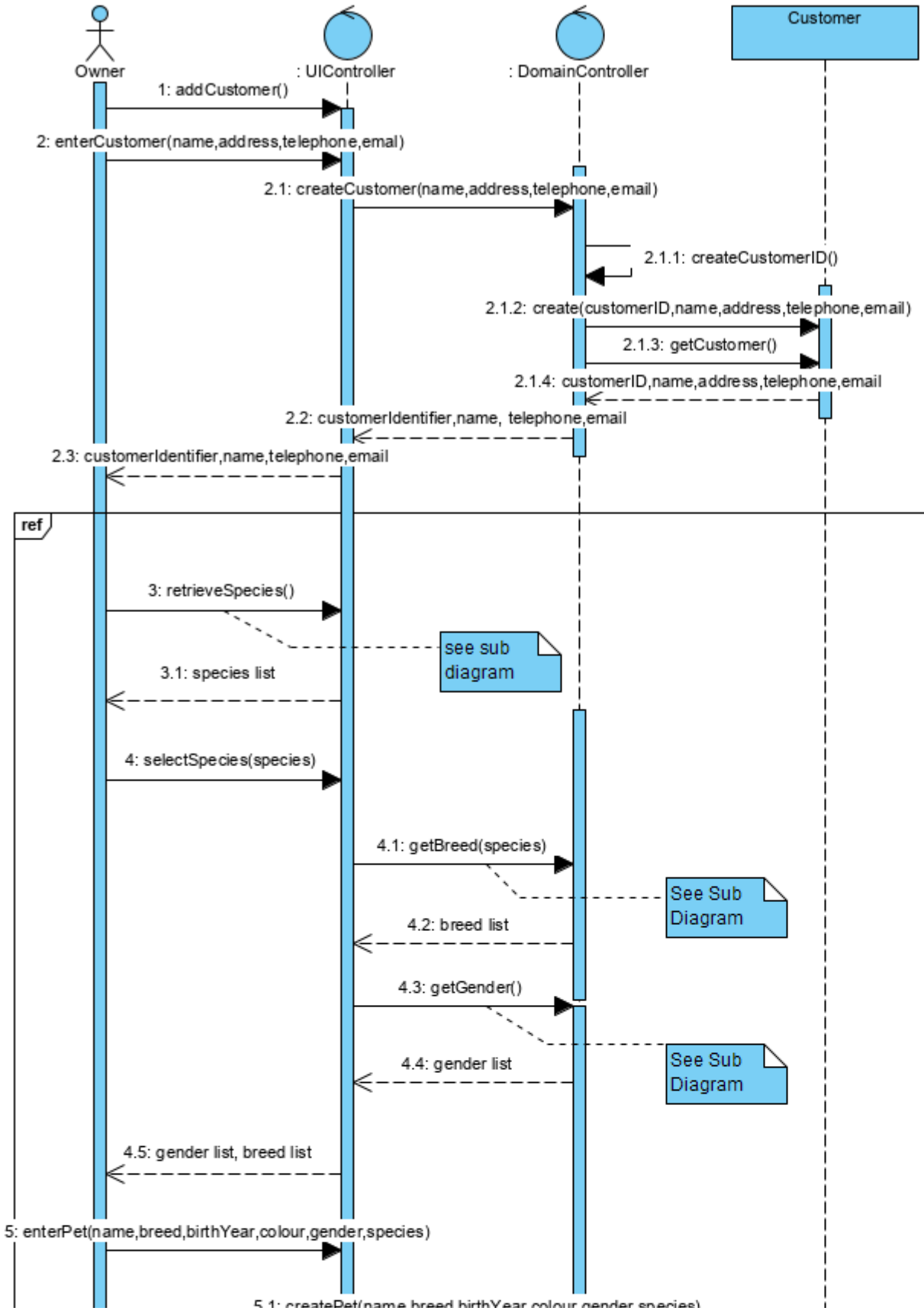
Sale Module

Your tasks:

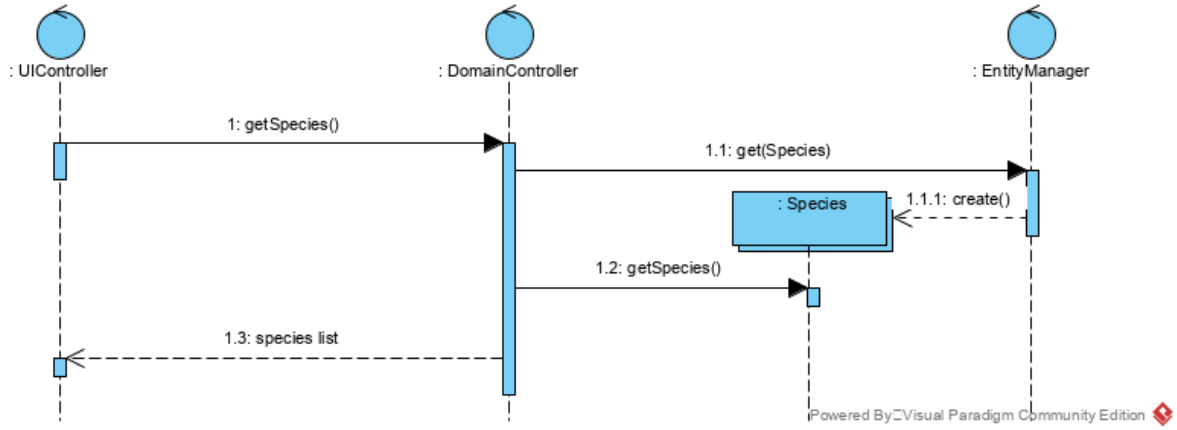
1. Create a class diagram to support the above case study and Systems Use Case Specifications



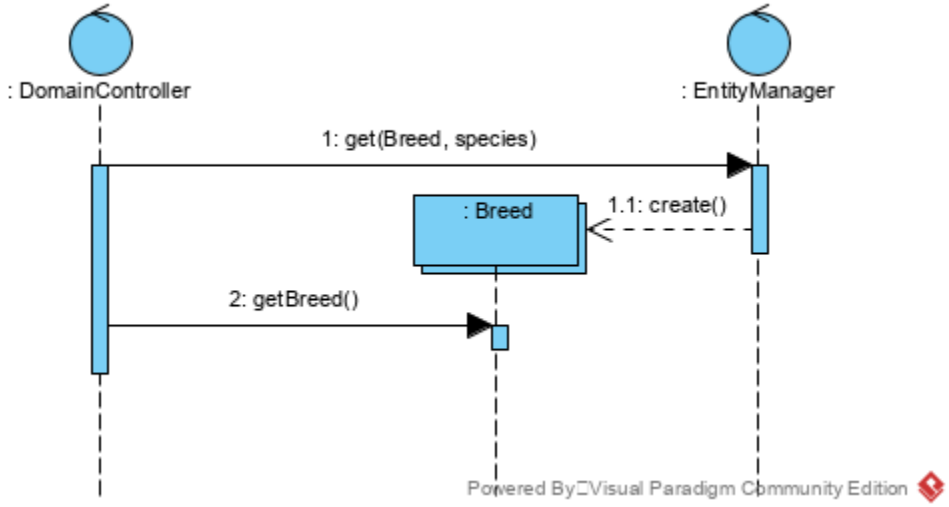
2. Create an object level sequence diagram, detailing the Create Customer systems use case specification


Owner
: UIController
: DomainController
Customer
1: addCustomer()
2: enterCustomer(name,address,telephone,emal)
2.1: createCustomer(name,address,telephone,email)
2.1.1: createCustomerID()
2.1.2: create(customerID,name,address,telephone,email)
2.1.3: getCustomer()
2.1.4: customerID,name,address,telephone,email
2.2: customerIdentifier,name, telephone,email
2.3: customerIdentifier,name,telephone,email
ref
3: retrieveSpecies()
see sub diagram
3.1: species list
4: selectSpecies(species)
4.1: getBreed(species)
See Sub Diagram
4.2: breed list
4.3: getGender()
See Sub Diagram
4.4: gender list
4.5: gender list, breed list
5: enterPet(name,breed,birthYear,colour,gender,species)

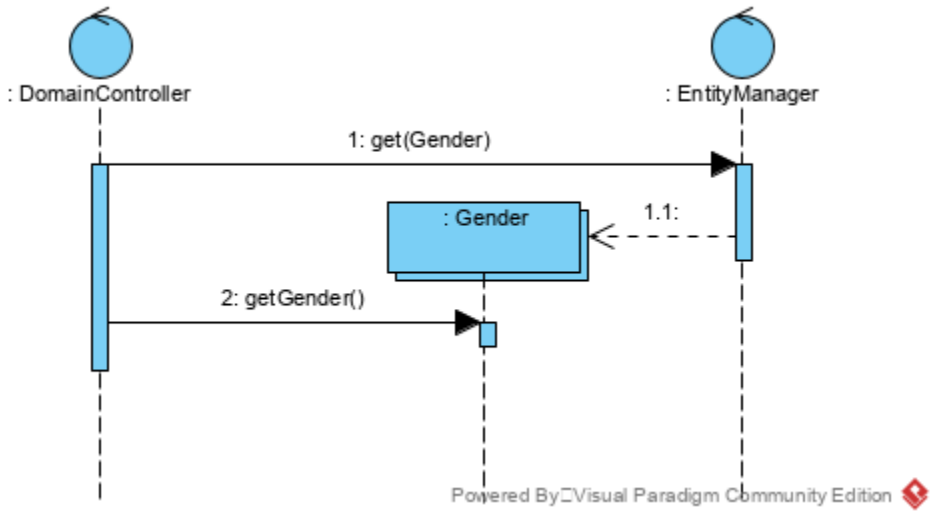
Retrieve Species



Get Breed



Get Gender


: DomainController
: EntityManager
1: get(Gender)
: Gender
1.1:
2: getGender()
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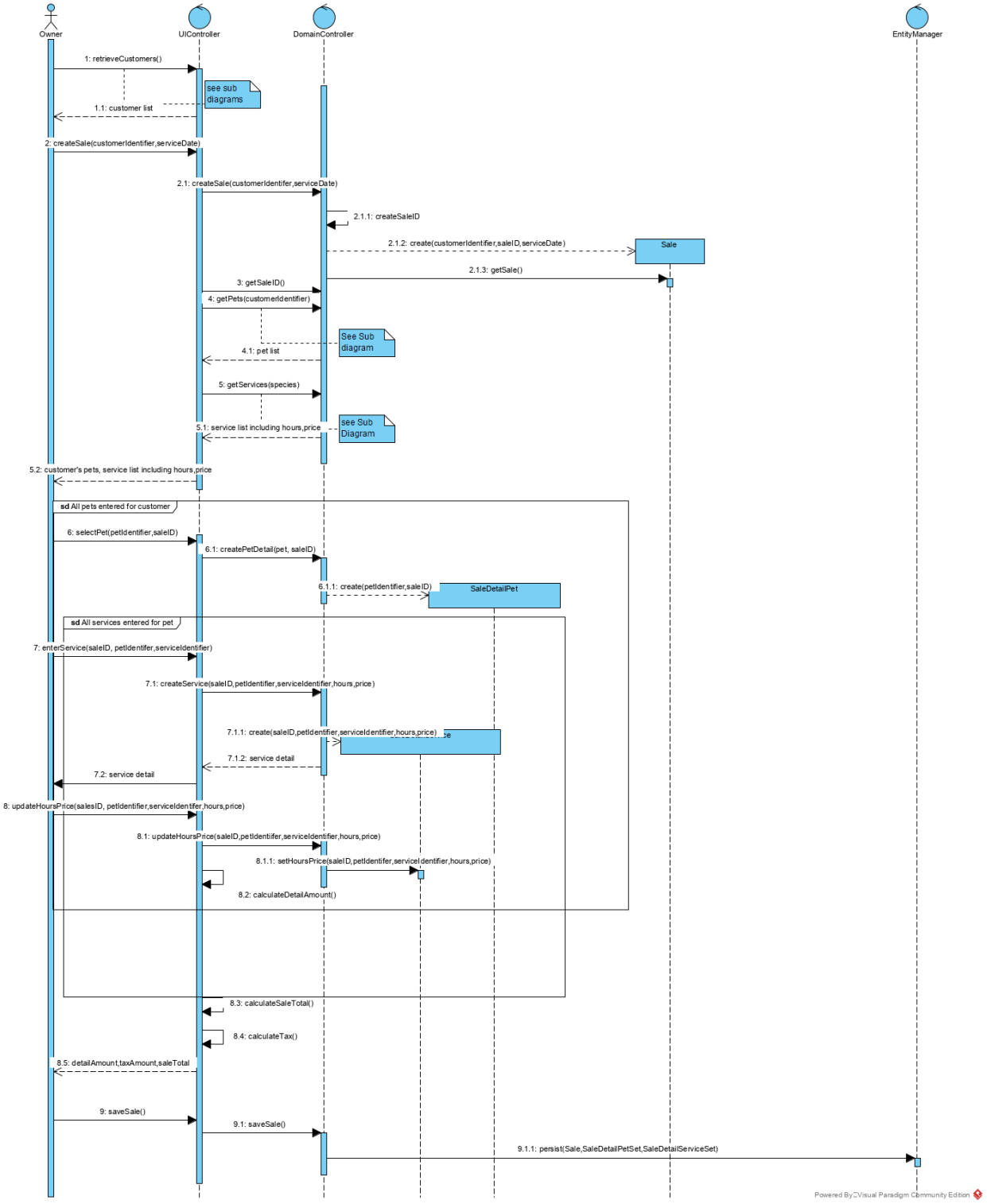
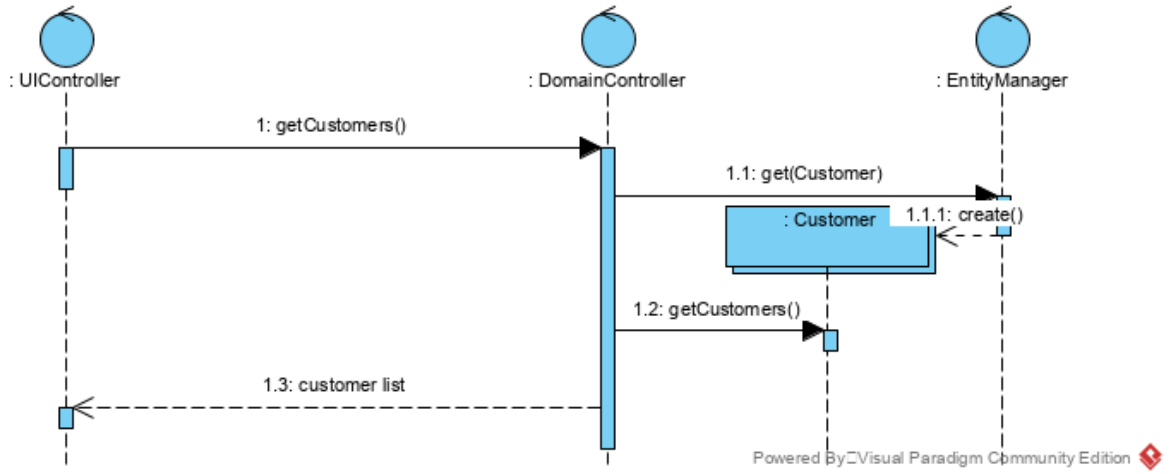
3. Create an object level sequence diagram, detailing the Create Sales use case specification




: UIController
: DomainController
: EntityManager
1: getCustomers()
1.1: get(Customer)
: Customer
1.1.1: create()
1.2: getCustomers()
1.3: customer list
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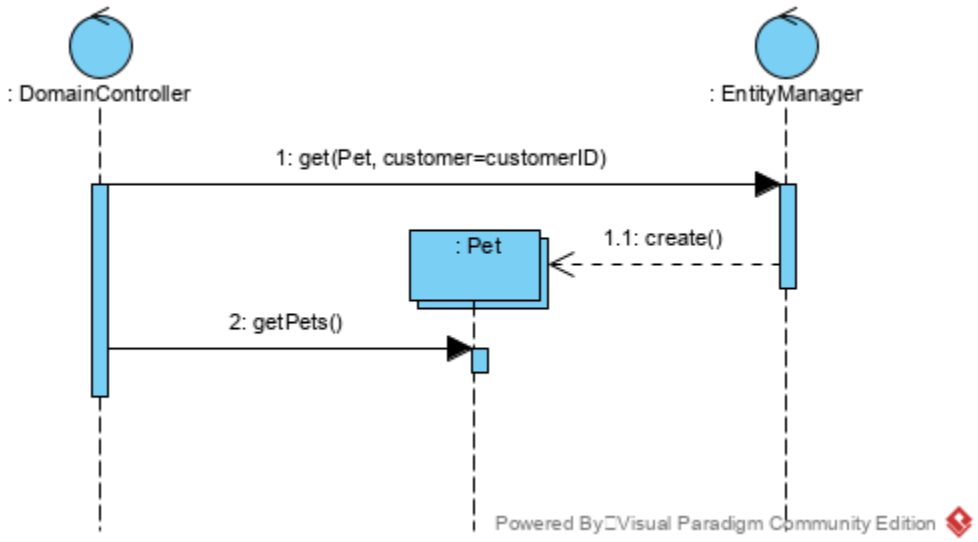
: DomainController
: EntityManager
1: get(Pet, customer=customerID)
: Pet
1.1: create()
2: getPets()
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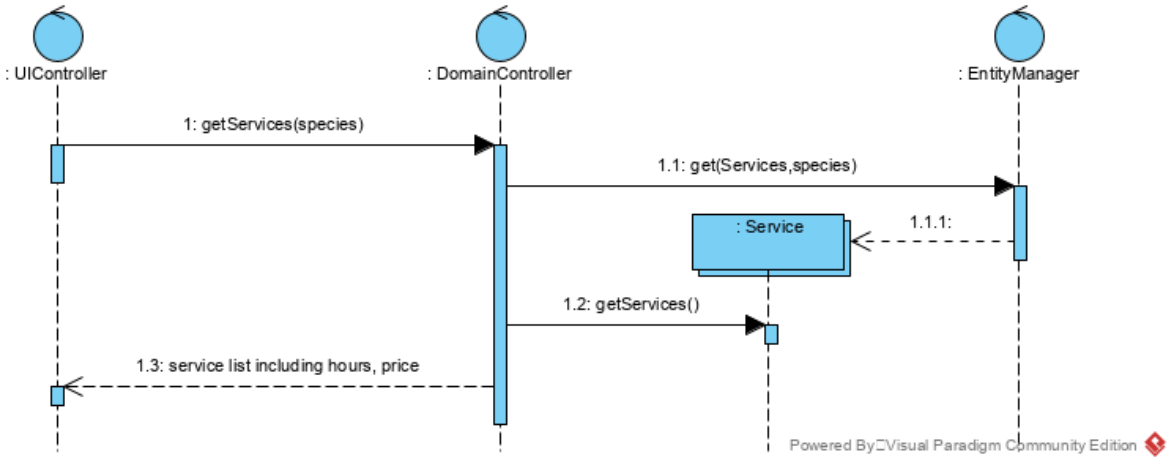
: UIController
: DomainController
: EntityManager
1: getServices(species)
1.1: get(Services,species)
: Service
1.1.1:
1.2: getServices()
1.3: service list including hours, price
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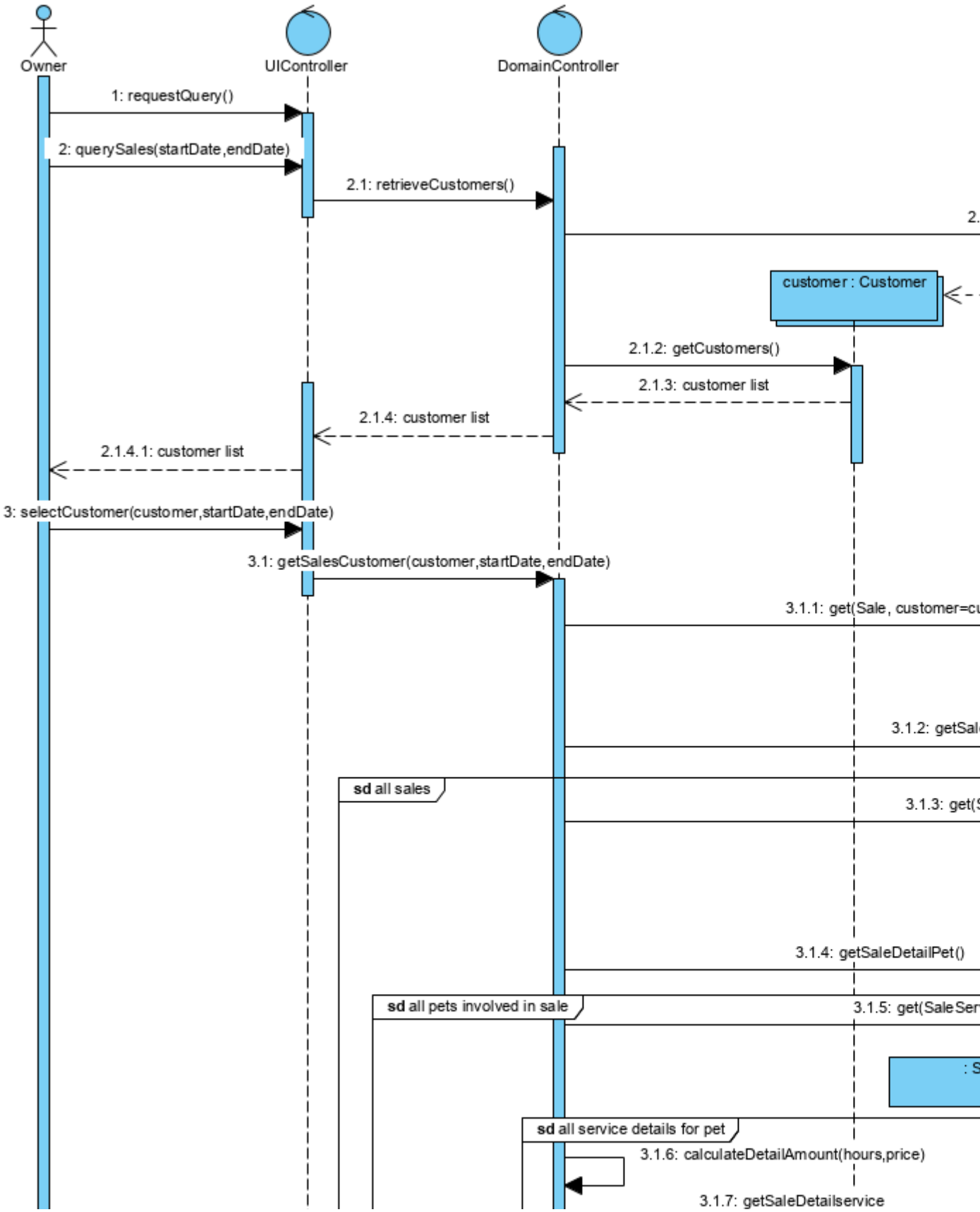
4. Create an object level sequence diagram, detailing the Query Sales (by customers) system use case specification.


Owner
UIController
DomainController
1: requestQuery()
2: querySales(startDate,endDate)
2.1: retrieveCustomers()
customer : Customer
2.1.2: getCustomers()
2.1.3: customer list
2.1.4: customer list
2.1.4.1: customer list
3: selectCustomer(customer,startDate,endDate)
3.1: getSalesCustomer(customer,startDate,endDate)
3.1.1: get(Sale, customer=cu
3.1.2: getSal
sd all sales
3.1.3: get(
3.1.4: getSaleDetailPet()
sd all pets involved in sale
3.1.5: get(SaleSer
sd all service details for pet
3.1.6: calculateDetailAmount(hours,price)
3.1.7: getSaleDetailservice

Lab Marks:

Submit UML model on time	1
Discussion participation	2
Total	3