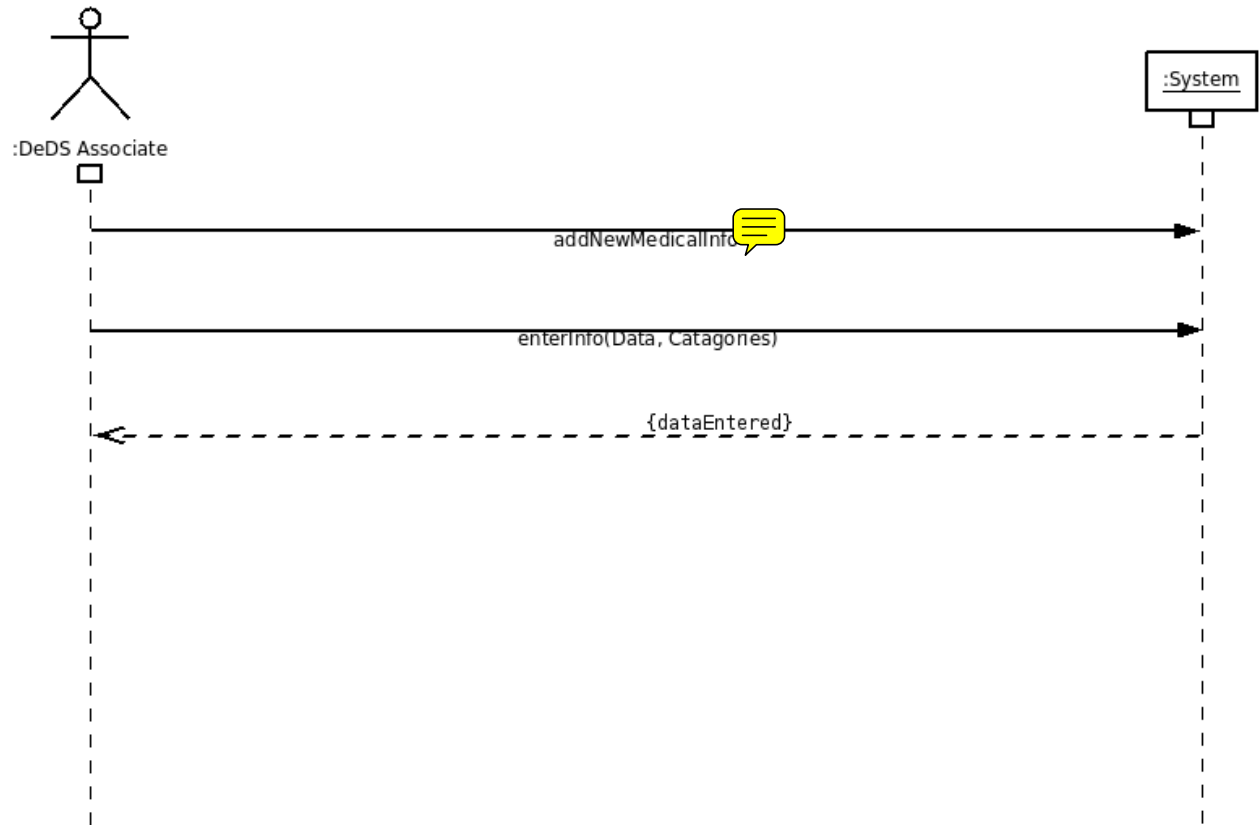
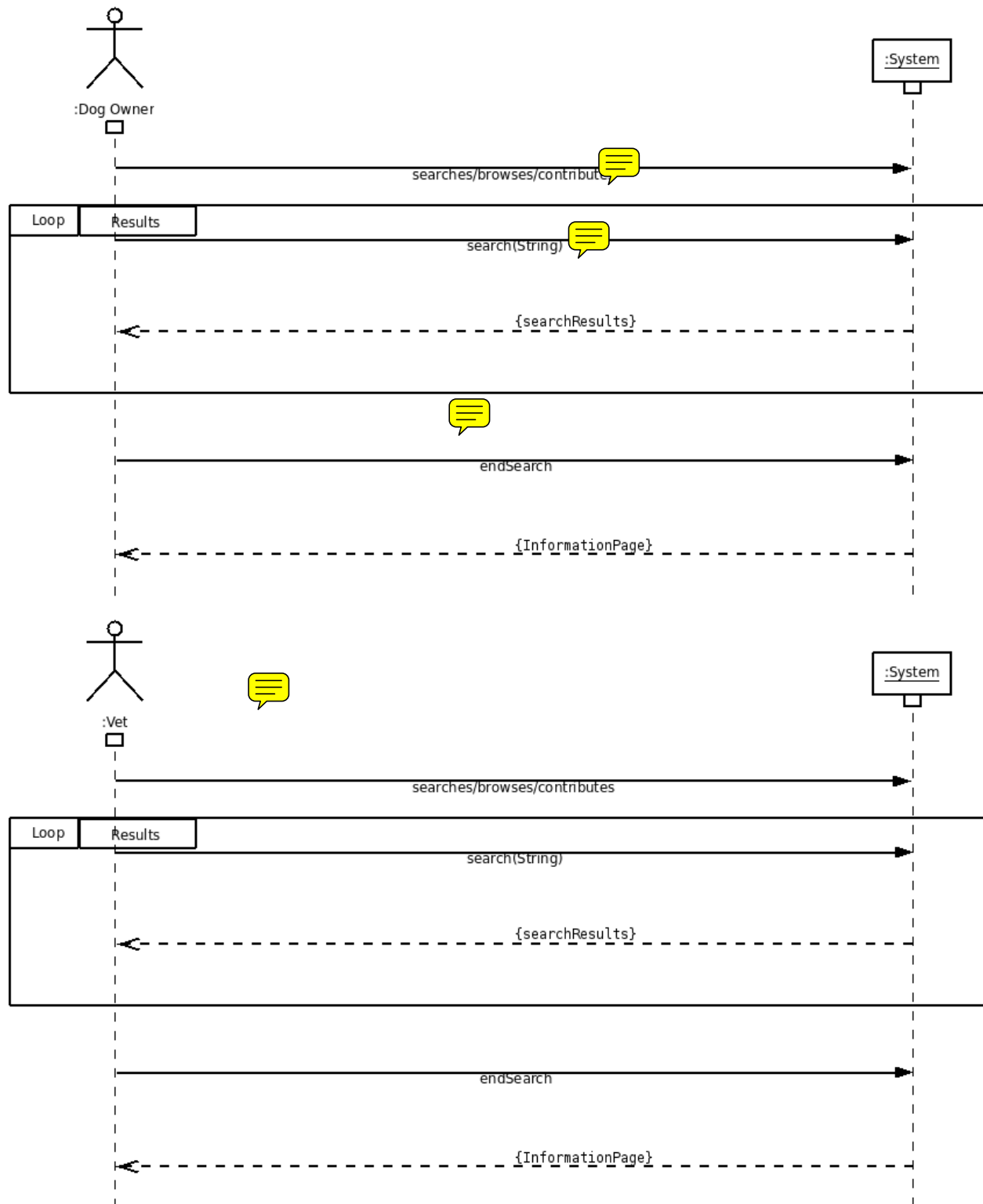
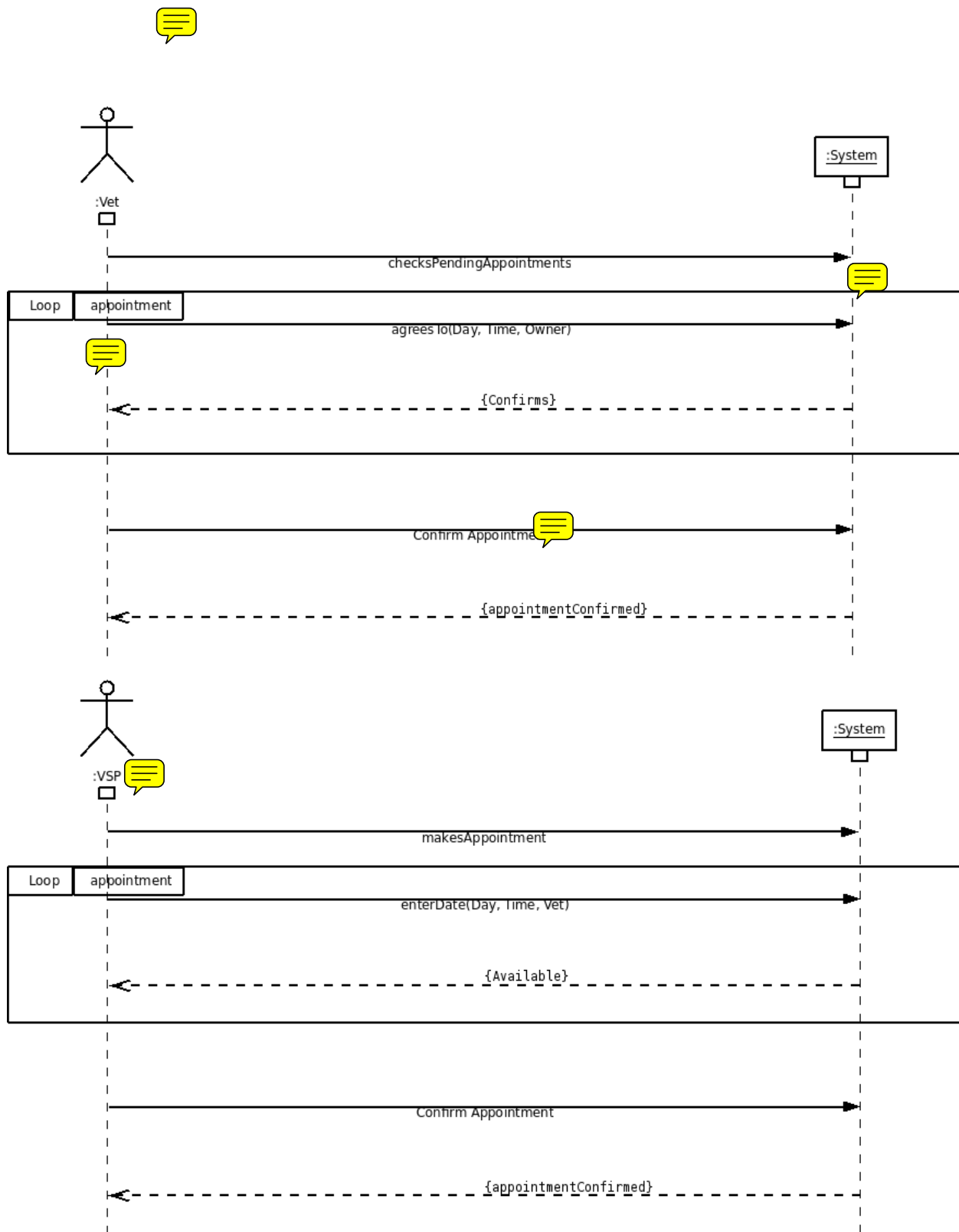




David Pick  
CM 2403







Operation Contracts:

Operation: search(String)

Cross Refs: Use Cases: SEARCH

Preconditions: Vet has logged in, there is information in the database

PostConditions: a SearchResults item, **sr** was created

sr was associated with current search  
sr.string became string

I decided to use search as an Operation Contract because I feel that every search should be logged. This way if the same vet wants to preform the search again, it can be recalled from a last of previous searches, thus saving them time.

Operation: enterDate(Day, Time, Vet)

Cross Refs: Use Cases: SCHEDULE APPOINTMENT

PreConditions: VSP is logged in, Vet is available to make appointment with

PostConditions: an Appointment item, ap was created

- ap was associated with current appointment

- ap was added to schedule

- ap was associated with vet

- ap was associated with dog

- ap.date was set to date

- ap.time was set to time

I chose enterDate as an Operation Contract because once the appointment object as been created there are several post conditions that must be met, in order to ensure that systems continues to run smoothly. Such as adding the appointment to the schedule, and associating that appointment with a vet and a dog.

Operation: agreesTo(Day, Time, Owner)

Cross Refs: None

PreConditions: Appointment is pending, Vet is logged in, Dog owner has not cancelled appointment

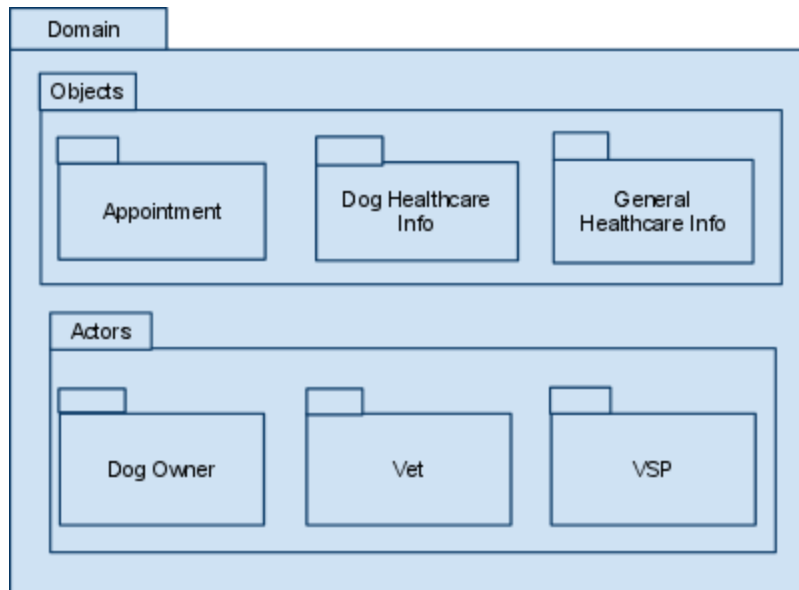
PostConditions: Appointment item, ap was set to confirmed

- ap.confirmed was set to true

- ap was set to visible in the schedule

I chose agreesTo as an Operation Contract because it has to update an object instead of simply creating a new one.

Application Domain Classes:



I choose to include Dog Owner, Vet, and VSP because of the number of interactions between them, and the rest of the classes in the system. I didn't include a Dog class, because the Dog class really only interacts with the Dog Owner and does not need to be included in the Domain. I also chose to include an Appointment, Dog Healthcare Info, and General Healthcare Info because of the amount of interaction they share with the other classes in the Domain, as well as each other. I didn't include the DeDs associates because they will only interact with the Dog Healthcare Info class.