

Stakeholders

- PetWatch customers (pet owners)
- PetWatch vendors (pet watchers)
- PetWatch owners
- PetWatch managers
- PetWatch employees
- PetWatch sponsors
- PetWatch CEO
- PetWatch CFO
- PetWatch president
- PetWatch board of directors

Actors and Goal

Primary Actors

- Customer: This actor can filter to view available watchers based on reviews, rating, distance, and more! They can also chat with vendors and set up initial meet and greets. They can review the vendor once the transaction is completed.
- Vendor: This actor will be able to list themselves as a potential pet watcher. The vendor will be able to accept or deny pet watching transactions. Additionally, the watcher can set up a meeting with the customer as an initial meet and greet.

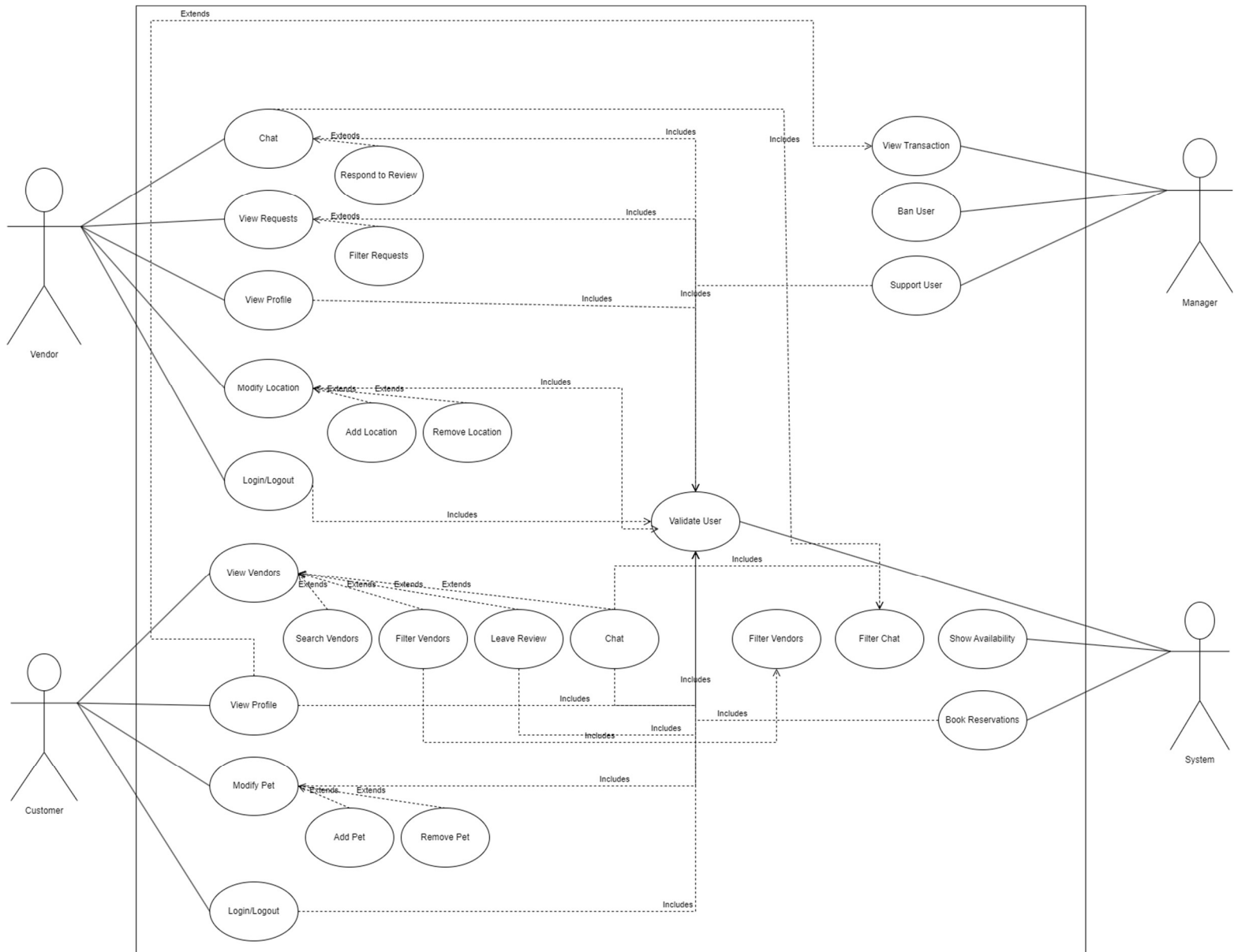
Secondary Actors

- Managers: The managers will be designated as representatives for PetWatch over various territories. The managers will be able to modify transaction details, ban individuals from the site, and provide customer support.
- System: The system is responsible for providing details of preferred or filtered vendors, filtering any inappropriate chat wordings, and is the primary platform for booking reservations.

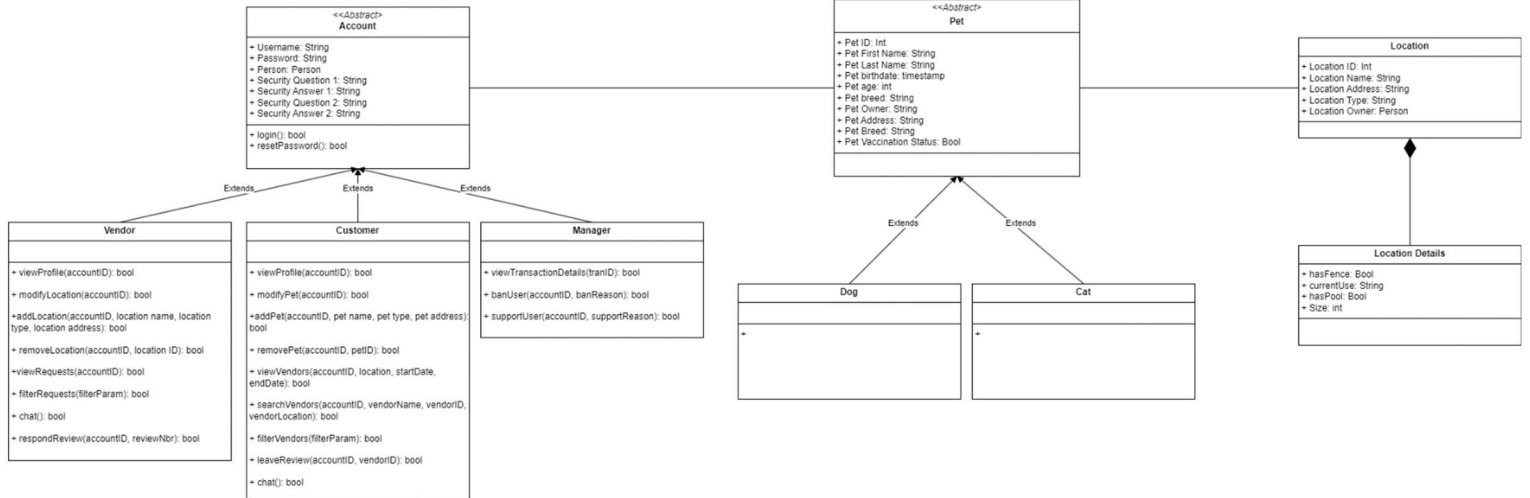
Use Cases

- Customer
 - View vendors: view list of available vendors
 - Filter vendors: filter vendors based on particular criteria
 - Add pet: Add a pet to their profile
 - Remove pet: Remove a pet from their profile
 - Modify pet: change details about a pet
 - Search vendors: find vendors in the area
 - Leave review: leave a review following a transaction
 - Chat: chat with vendors before, during, and after the transaction
 - View profile: view their profile and associated pets
 - Login/Logout: login or logout from the site
- Vendor
 - View requests: view all current requests
 - Filter requests: filter transaction requests from customers
 - Add location: add a location they will watch pets in
 - Remove location: remove their location from their profile
 - Modify location: change details about a location
 - Respond to review: leave a response to a review
 - Chat: chat with customers before, during, and after the transaction
 - View profile: view their profile and associated homes
 - Login/Logout: login or logout from the site
- Manager
 - View transaction: view all transactions in their areas
 - Ban user: ban a customer or vendor from the site
 - Support user: support customers and vendors with their questions
- System
 - Filter vendors: provide parameters for filtering vendors
 - Filter chat: filter inappropriate words from the chat
 - Validate user: ensure user is logged into their account
 - Show availability: show availability of vendors to customers
 - Book reservations: block vendor from availability when booked

Use Case Diagram

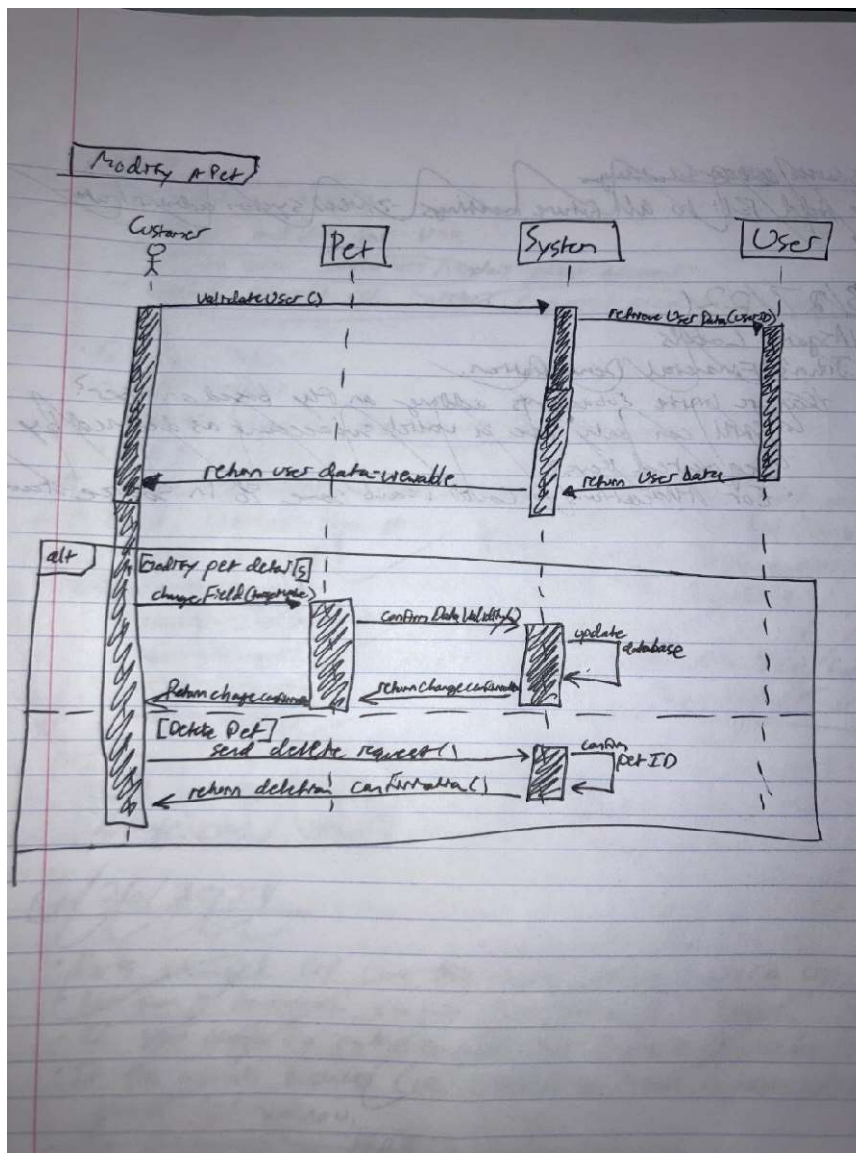


Class Diagram

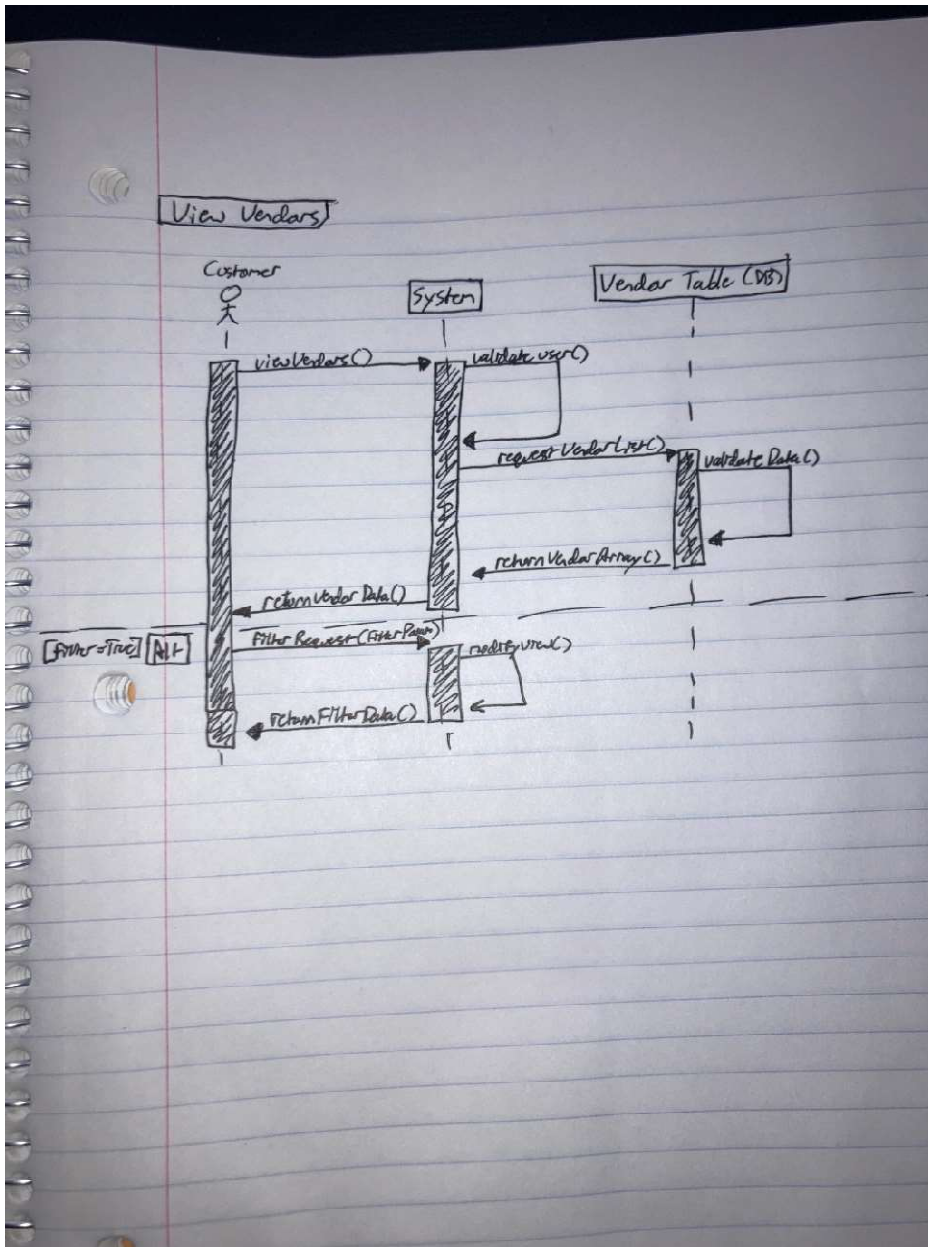


System Sequence Diagram

1. Modify a Pet (Customer Actor)

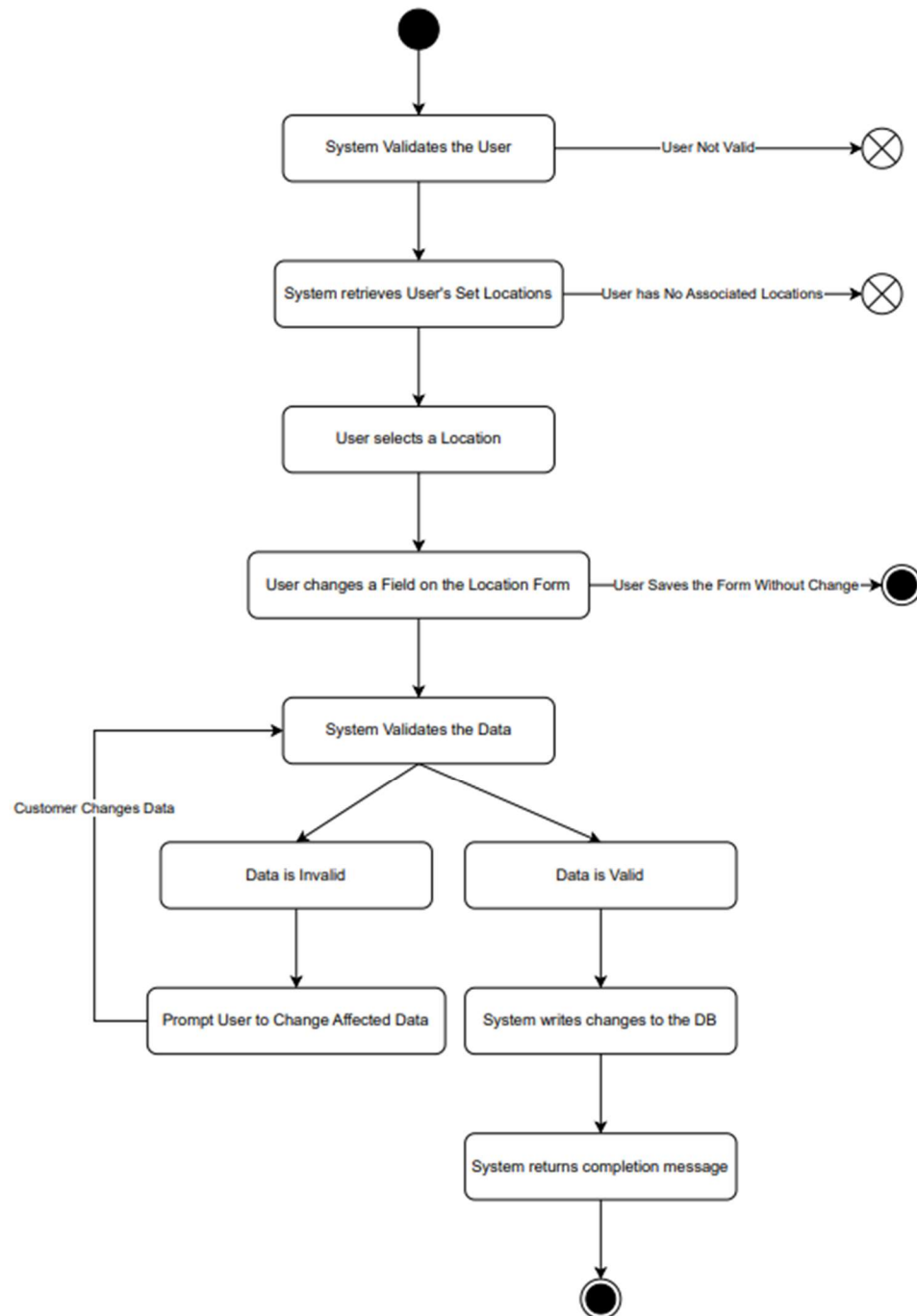


2. View Vendors (Customer Actor)

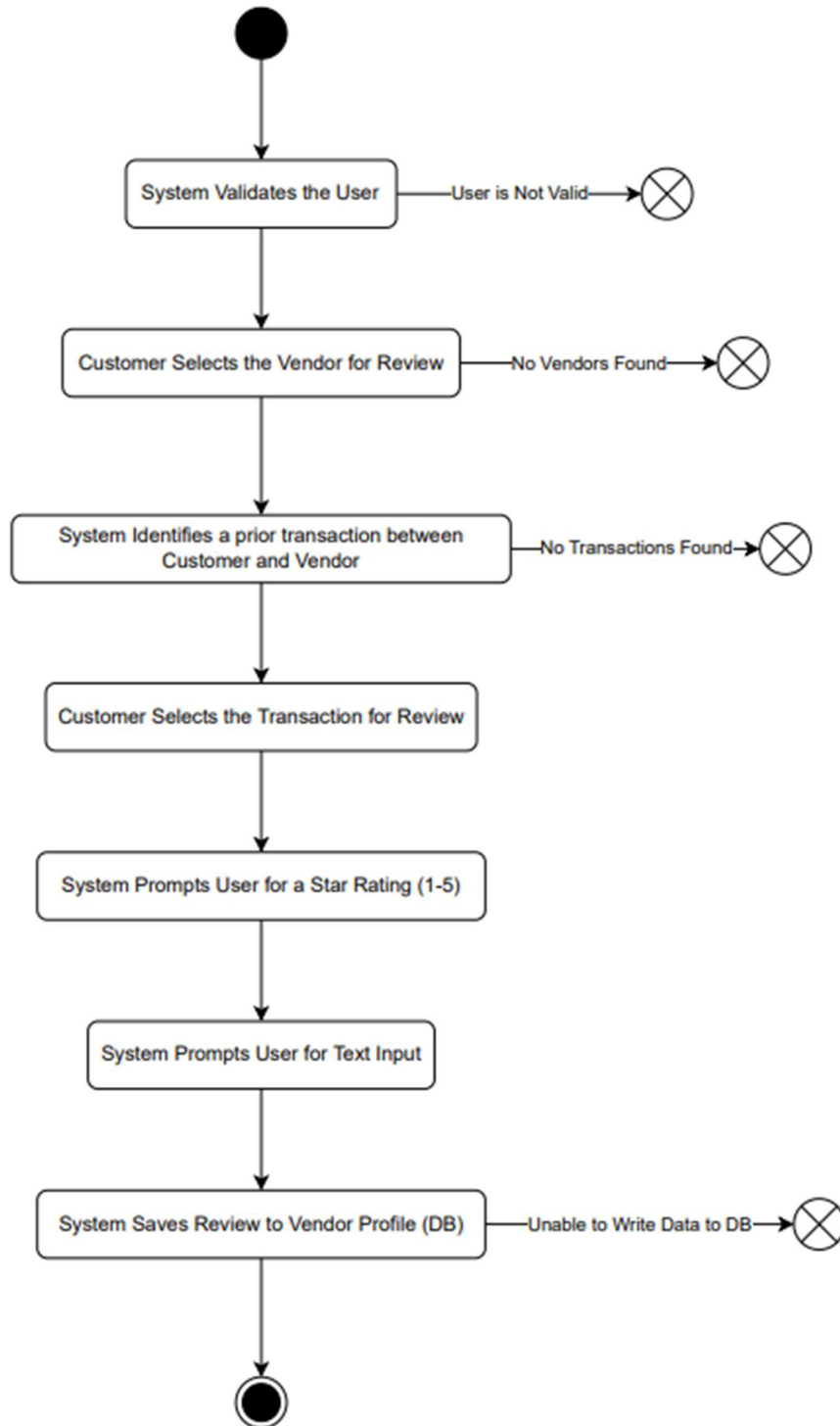


Activity Diagrams

1. Modify a Location (Vendor Actor)



2. Leave a Review (Customer Actor)



Traceability Matrix

Requirement Number	Priority Weight (1-5; 1-Lowest, 5-Highest)	Description
REQ-1	4	Waggle's database (MySQL) needs to retain user's information. Not limited to: name, contact details, address, age, pet species, pet breed, pet age, pet health history.
REQ-2	5	Sitters need to be screened and evaluated prior to any potential bookings. Background checks are required to ensure safety of client's pet.
REQ-3	4	Sitters need to have the power to accept or decline the booking request based on individual pet details or length of stay.
REQ-4	3	Owners and sitters should be able to message back and forth and communicate effectively should anything happen to the pet or owner (i.e. a travel delay).
REQ-5	5	The system will limit the type of pets that are eligible for Waggle. No pets with a history of human injury or the potential to injure the host will be eligible for the Waggle program (i.e. venomous snakes).
REQ-6	1	Payment must be made using a credit card online prior to drop off.
REQ-7	2	If a sitter has already been booked for all or part of the requested stay from a

		different owner, they are ineligible to watch the pet.
--	--	--

No.	Description
UC1	Customers can view list of available vendors
UC2	Customers can filter vendors based on particular criteria
UC3	Customers can add a pet to their profile
UC4	Customers can remove a pet from their profile
UC5	Customers can change details about a pet
UC6	Customers can find vendors in the area
UC7	Customers can leave a review following a transaction
UC8	Customers can chat with vendors before, during, and after the transaction
UC9	Customers can view their profile and associated pets
UC10	Customers can login or logout from the site
UC11	Vendors can view all current requests
UC12	Vendors can filter transaction requests from customers
UC13	Vendors can add a location they will watch pets in
UC14	Vendors can remove their location from their profile
UC15	Vendors can change details about a location
UC16	Vendors can leave a response to a review
UC17	Vendors can chat with customers before, during, and after the transaction
UC18	Vendors can view their profile and associated homes
UC19	Vendors can login or logout from the site
UC20	Managers can view all transactions in their areas
UC21	Managers can ban a customer or vendor from the site
UC22	Managers can support customers and vendors with their questions
UC23	System can provide parameters for filtering vendors

UC24	System can filter inappropriate words from the chat
UC25	System can ensure user is logged into their account
UC26	System can show availability of vendors to customers
UC27	System can block vendor from availability when booked

Requirement	PW	UC11	UC12	UC13	UC14	UC15	UC16	UC17	UC18	UC19	UC20
REQ-1	4	X		X	X	X			X	X	X
REQ-2	5	X	X								
REQ-3	4		X								
REQ-4	3		X				X	X			
REQ-5	5										
REQ-6	1										X
REQ-7	2										
Max PW		5	5	4	4	4	3	3	4	4	4
Total PW		9	12	4	4	4	3	3	4	4	5
Requirement	PW	UC1	UC2	UC3	UC4	UC5	UC6	UC7	UC8	UC9	UC10
REQ-1	4	X	X	X	X	X	X			X	X
REQ-2	5	X	X								
REQ-3	4										
REQ-4	3	X					X	X	X		
REQ-5	5			X		X				X	
REQ-6	1										
REQ-7	2	X					X				
Max PW		5	5	5	4	5	4	3	3	5	4
Total PW		14	9	9	4	9	9	3	3	9	4

Requirement	PW	UC21	UC22	UC23	UC24	UC25	UC26	UC27
REQ-1	4	X				X	X	X
REQ-2	5			X				
REQ-3	4							
REQ-4	3		X		X			
REQ-5	5							
REQ-6	1							
REQ-7	2			X			X	X
Max PW		4	3	5	3	4	4	4
Total PW		4	3	7	3	4	6	6