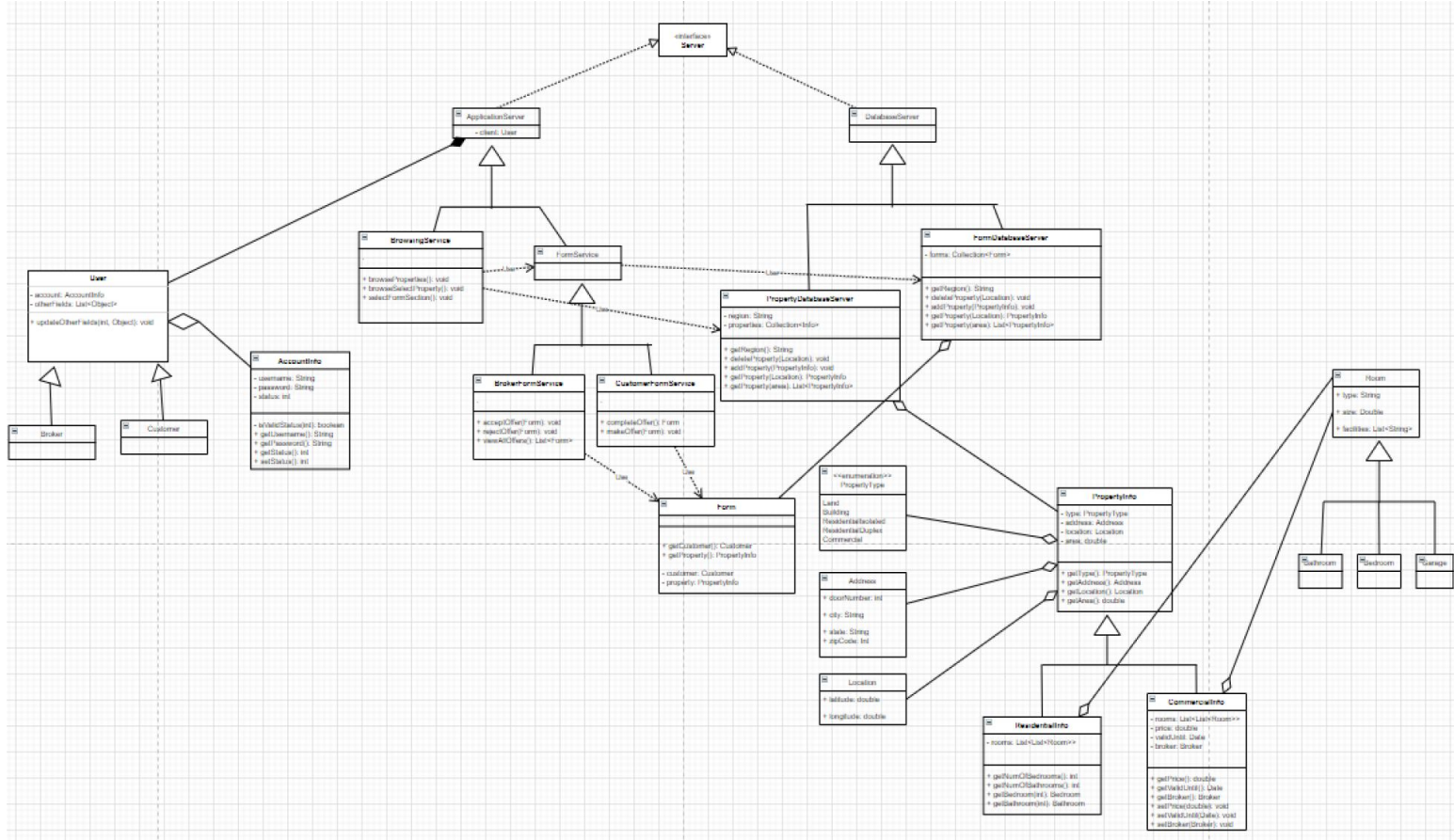# Ethan Booker

CS 746 Assignment 3

Notes

Because some diagrams are too large for a screenshot, I have took multiple screenshots of the entire diagram. So will see multiple screenshots if it was needed.

Please note that some of the diagrams don't have many methods because there could be a long list of methods, so I only put in some relevant ones. I am well aware there should be more for certain classes.
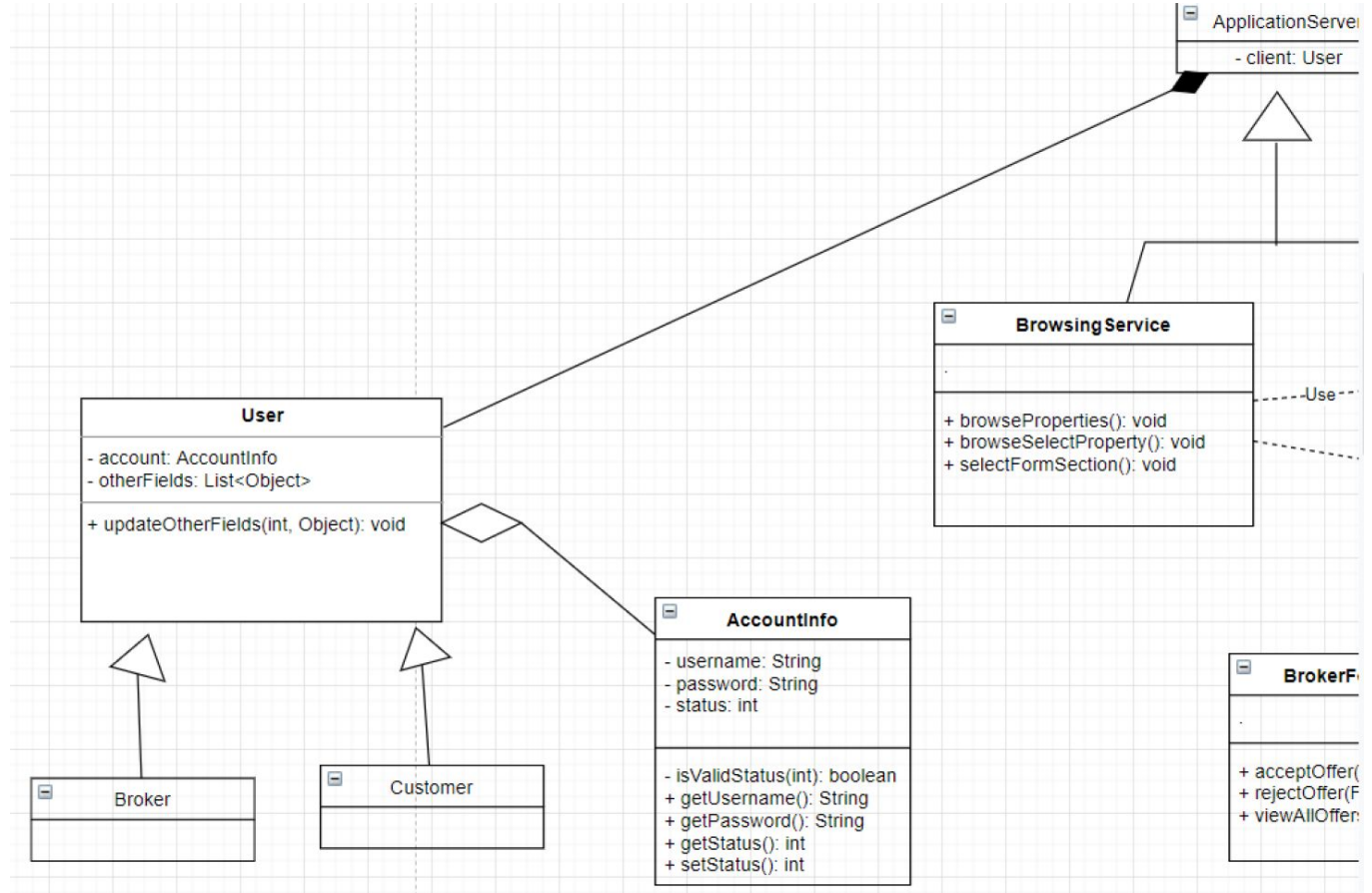
UML Class Diagram

This is an overview of my UML class diagram.

Please refer back to this to see what points to what if the screenshots aren't clear enough.

UML Class Diagram

Emphasizing the abstract user class along with application server using a client which is a user.

ApplicationServer

- client: User

Browsing Service

.

+ browseProperties(): void
+ browseSelectProperty(): void
+ selectFormSection(): void

----Use----

User

- account: AccountInfo
- otherFields: List<Object>

+ updateOtherFields(int, Object): void

AccountInfo

- username: String
- password: String
- status: int

- isValidStatus(int): boolean
+ getUsername(): String
+ getPassword(): String
+ getStatus(): int
+ setStatus(): int

BrokerF

.

+ acceptOffer(
+ rejectOffer(F
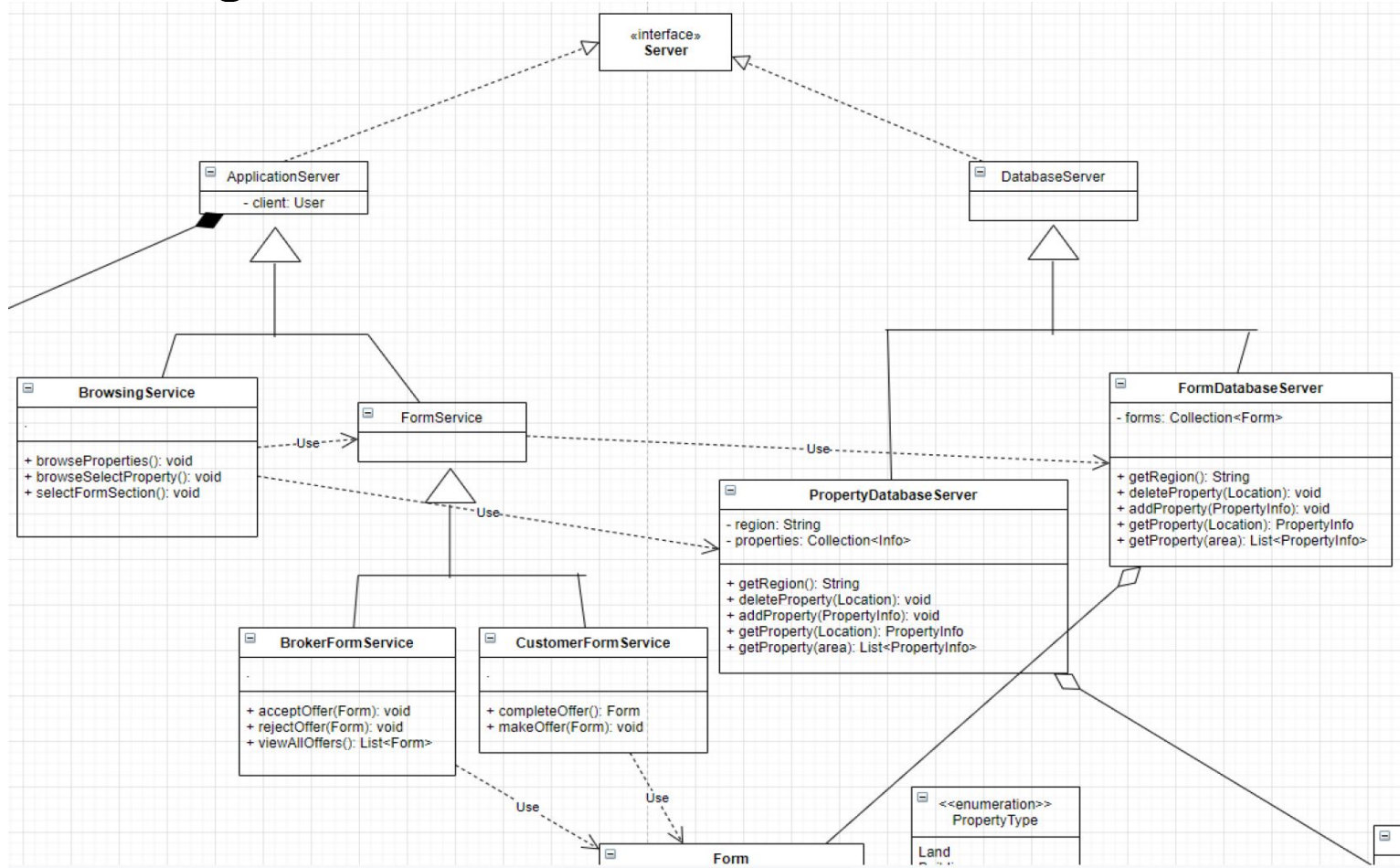+ viewAllOffer

Broker

Customer

UML Class Diagram

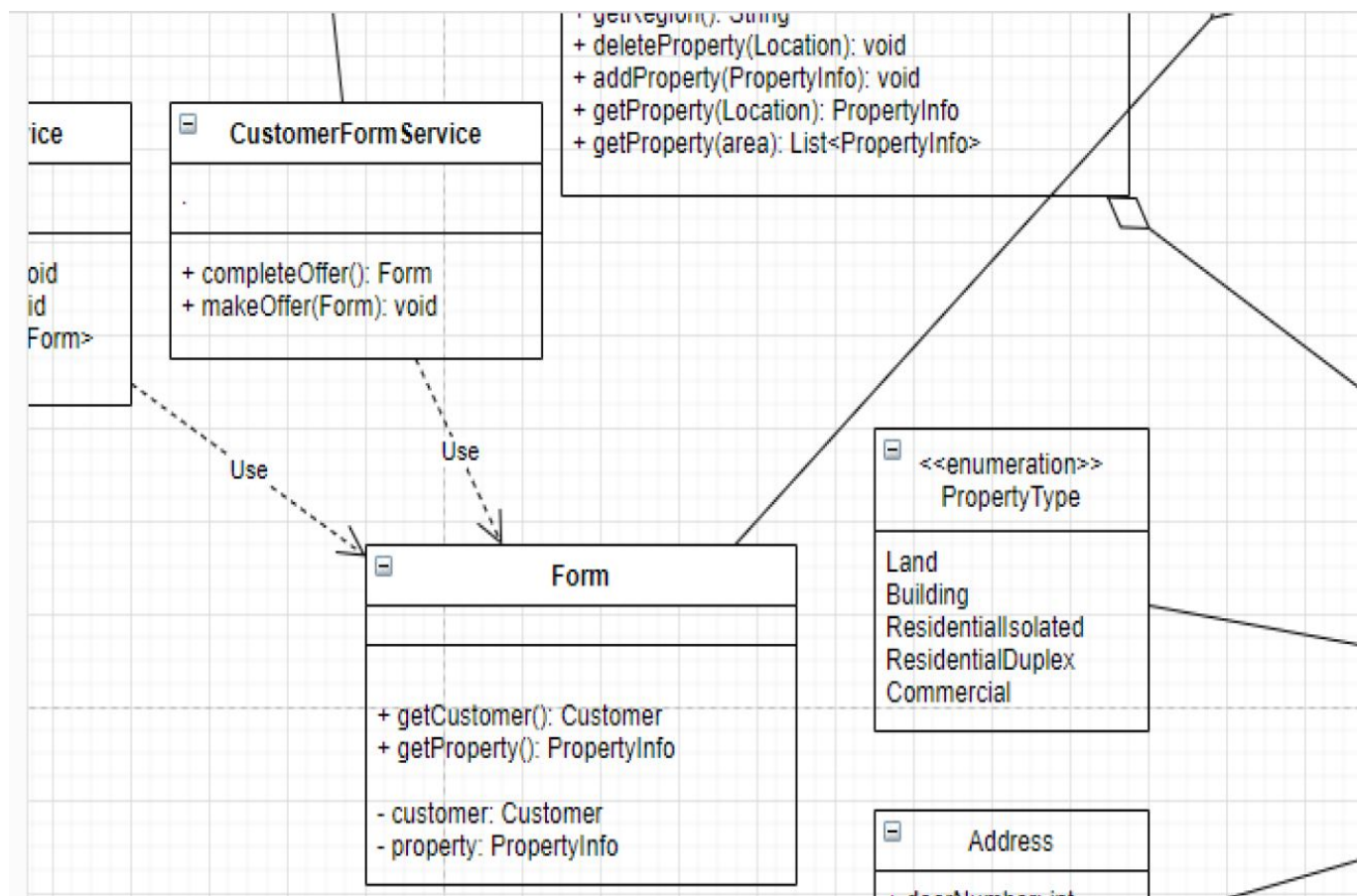There are two servers at the moment.

An application server for interaction with the client. Such as the many services that should be provided.

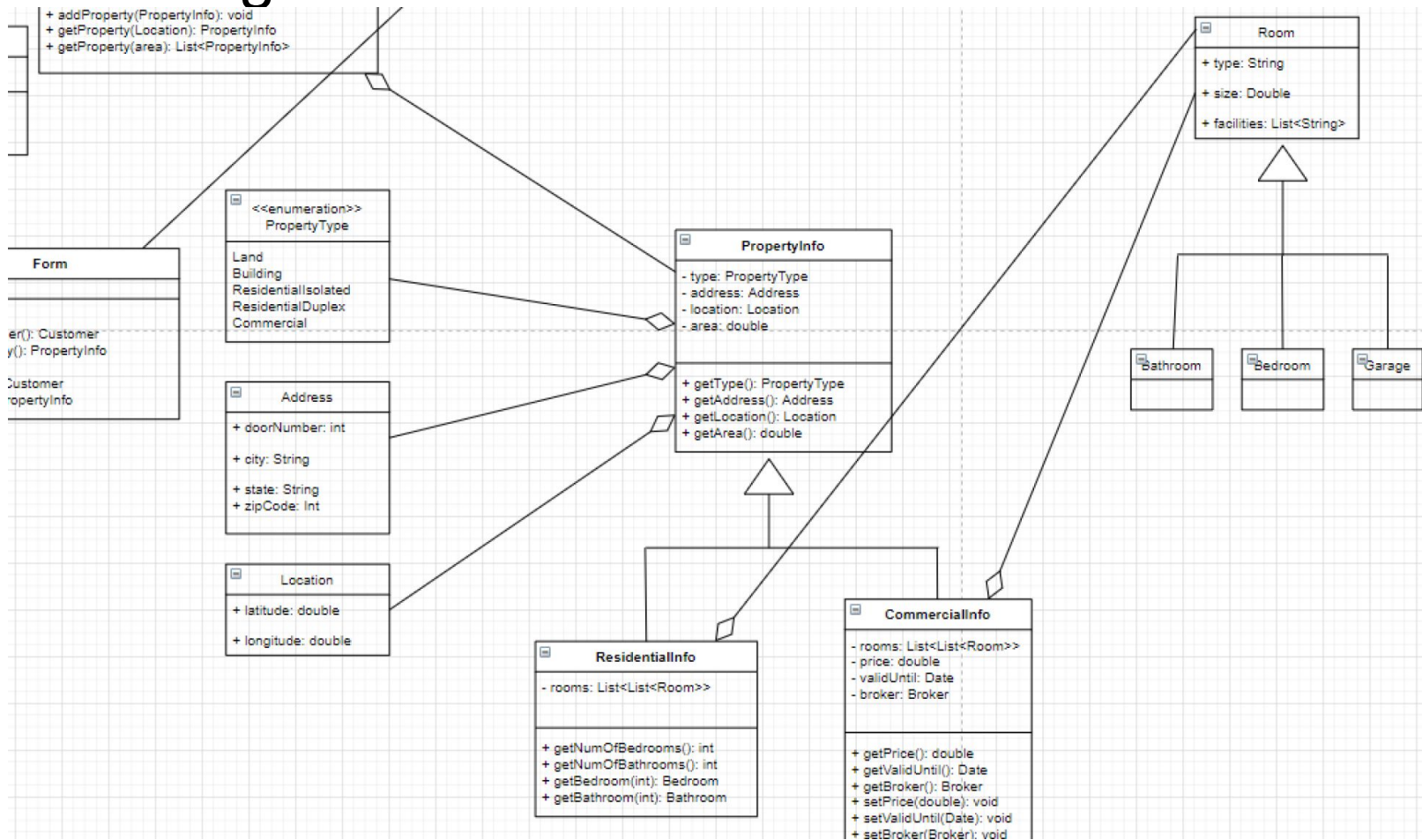A database server for storing different types of data.

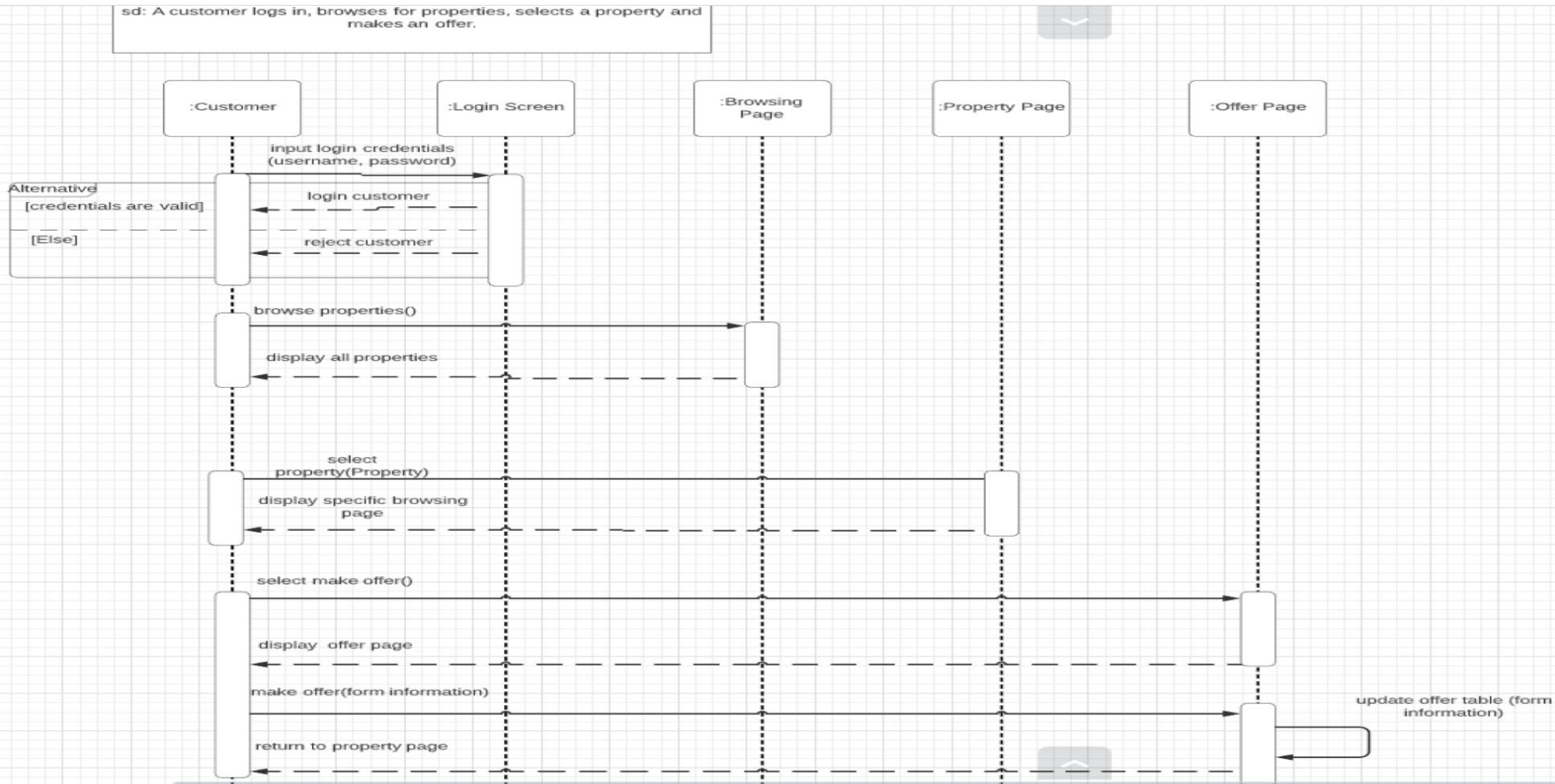# UML Class Diagram

This is to primarily show the form class

UML Class Diagram

Lastly this is a picture about the property class.

Sequence Diagram 1

sd: A customer logs in, browses for properties, selects a property and makes an offer.

| :Customer | :Login Screen | :Browsing Page | :Property Page | :Offer Page |

input login credentials (username, password)

Alternative
[credentials are valid]
login customer

[Else]
reject customer

browse properties()

display all properties

select property(Property)

display specific browsing page

select make offer()

display offer page

make offer(form information)

update offer table (form information)

return to property page

Sequence Diagram 2 includes extra credit

sd: A broker logs in, goes through every single property, checks whether an offer is made to that property, and either accepts or denies the offer.