UML Diagrams
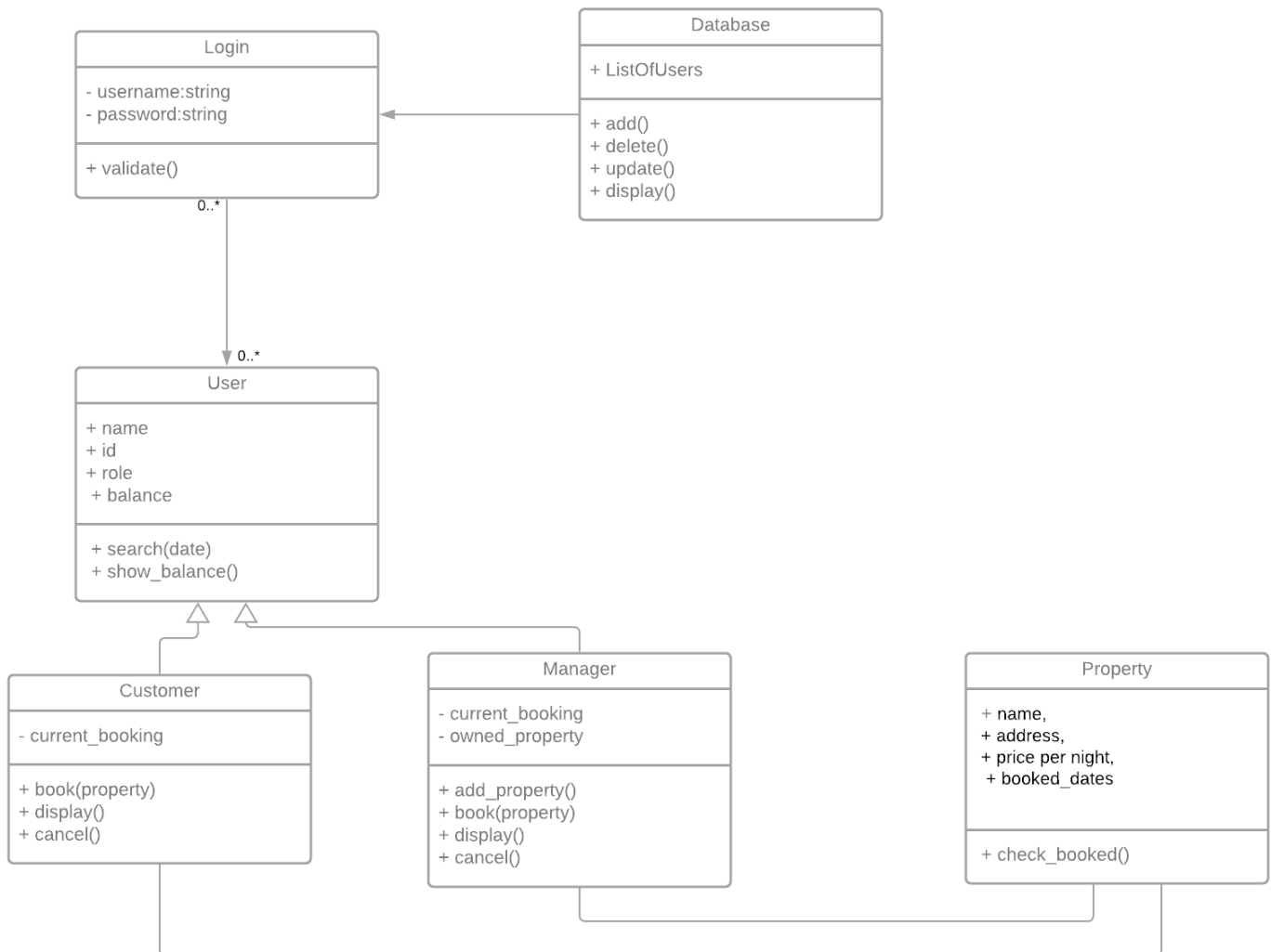
Project 20: Simulate AirBnB
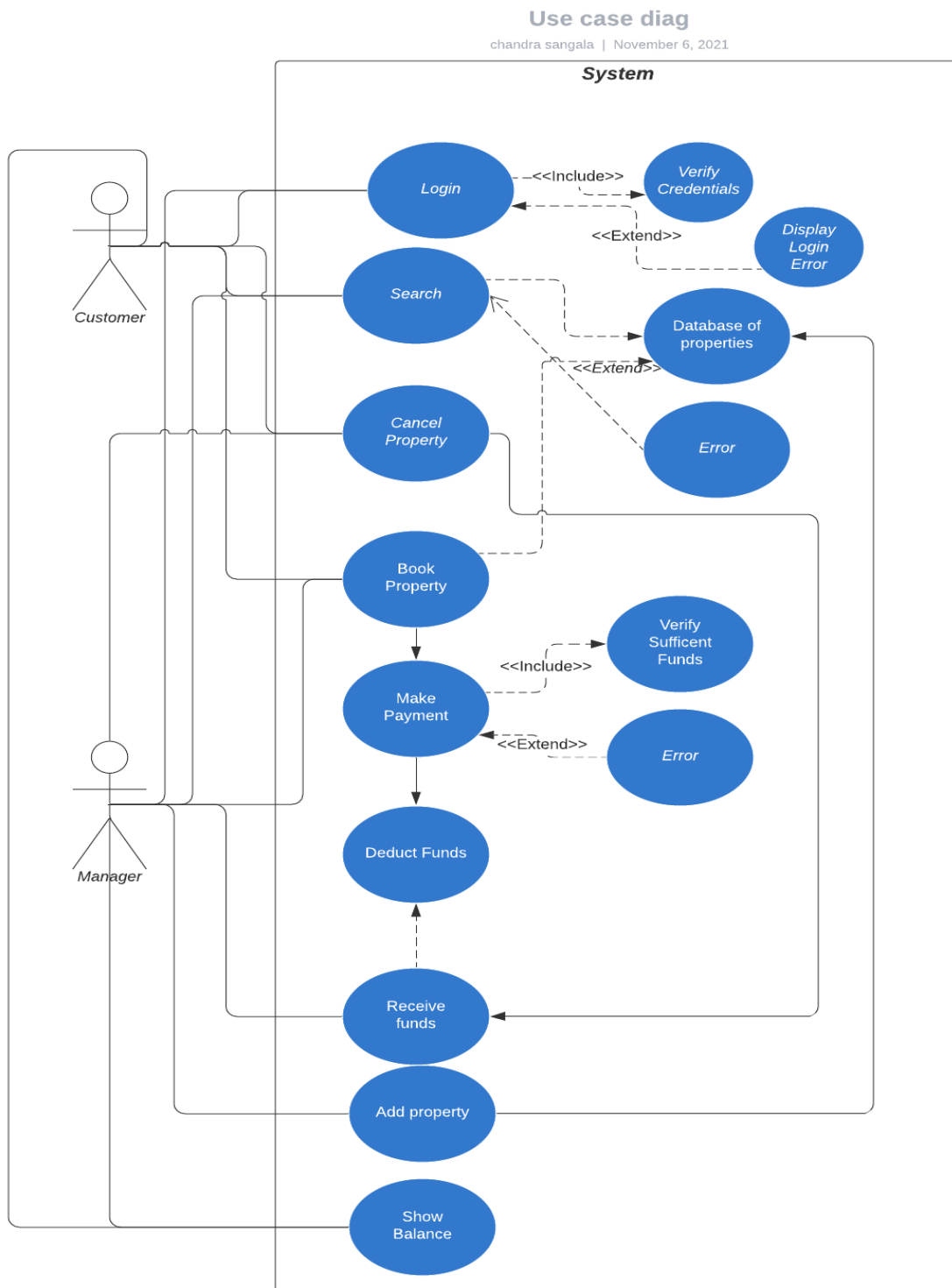
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UML Class Diagram:

Use case Diagram:

System

Login   <<Include>>   Verify Credentials

<<Extend>>   Display Login Error

Search

Cancel Property

Database of properties

<<Extend>>

Error

Book Property

Verify Sufficent Funds

Make Payment   <<Include>>

<<Extend>>   Error

Deduct Funds

Receive funds

Add property

Show Balance

Customer

Manager

Sequence Diagram:

Server

Database

Actor

Enter credentials → Verify credentials

Alternative

[If validated]

Verified

Display options

[Else]

Unverified

Error

Add property → Verify manager

Alternative

[Condition]

verified

Property added

[Else]

unverified

Message

search for property → check avalibility

available properties ←

list of available properties

book property → check balance

Alternative

[Condition]

sufficient balance

deduct fees

booking successfull

[Else]

insufficient balance

booking failed

cancel property → refund money

successful

successful

show balance → show balance

return balance

display balance