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Lab 1

Class Exercise 1

1. I UNLOCK my phone
2. I NAVIGATE to my phone voicemail
3. I CHECK to see if there is a message
4. IF a message has been left, I LISTEN to the message
5. I RETURN the call by clicking the phone number saved in the voicemail settings
6. I COMPLETE the call by DIALING the callback number

A diagram of a phone call

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Lab 2

A diagram of a diagram

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Lab 3

1. **Identify the Actors**:
   1. Owner
   2. Customer
2. **Identify User Stories**:
   1. As the owner, I want to sell videos to customers so I can profit and provide a service to my customers.
   2. As the owner, I want to charge late fees to my customers so I can deter them from stealing or keeping videos longer than they should.
   3. As the owner, I would like to hand out transaction receipts to my customers, so they have a track record of important information.
   4. As the customer, I would like to receive a transaction receipt so I can know how much the video costs and when to return it.
   5. As the customer, I want to rent videos so I can watch the videos at home.

A diagram of a customer

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1. **Use Case Model**:
2. **Describe in Details the Rent Videos Use Case**:

|  |  |
| --- | --- |
| Sell Videos | Owner provides customers with videos for a certain rental price |
| Rent Videos | Customers rent videos from the owner for a certain rental price via a cash payment method. |
| Charge late fees | Owner charges customers with a late fee charge (daily) if the video is not returned on time. |
| Receive Transaction Report | Customers receive a transaction report that states the date received, amount, rental title, and duration of rental |
| Hand out Transaction Report | Owner provides a transaction report that states the date received, amount, rental title, and duration of rental |

Lab 4

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Lab 5

**Sell videos to customers.**

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| --- | --- |
| **Use Case Name** | Sell videos to customers |
| **Scenario** | Customer wishes to rent a video, so owner will sell videos for rental |
| **Triggering Event** | New or returning customers wish to rent videos from the owner |
| **Brief Description** | Customer enters the video rental store and chooses a video for rental. The customer will provide an exchange of currency for rental services from the owner. |
| **Actors** | Owner |
| **Related Use Case** | None |
| **Stakeholders** | Accounting, Sales |
| **Preconditions** | Customer must have proper payment and proper payments methods to rent video from owner. |
| **Postconditions** | Owner will provide the video to the customer for a set amount of time. |
| **Flow of Activities** | **Actors:** System:   1. Owner will 1. System keeps track of  receive video from receipts and prints out customer. Receipt. 2. Owner will 2. System will keep track make an exchange of rental return dates. of money for rental. |
| **Exception conditions** | Customer does not have enough money |

**Charge Late fees to customers**

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| --- | --- |
| **Use Case Name** | Charge late fees to customers |
| **Scenario** | Charge customers late fees |
| **Triggering Event** | Customer has not returned video back to the store on time, and owner wishes to charge late fees. |
| **Brief Description** | Owner keeps track of video rental time, and owner will charge customers late fees each day the video is not returned. |
| **Actors** | Owner |
| **Related Use Case** | None |
| **Stakeholders** | Accounting, Sales |
| **Preconditions** | Owner must check the system to determine late videos |
| **Postconditions** | Owner must verify with customer and let them know the video is late and will be charging late fees |
| **Flow of Activities** | **Actors:** System:   1. Owner checks 1. System keeps track of  system to verify receipts dates and late videos. Expected return dates. 2. Owner will 2. System will update notify customer and notify owner of late and start charging late fees videos. |
| **Exception conditions** | System did not update correctly when a video was returned |

Lab 6

Task 1:

A diagram of a display

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Task 2:

A diagram of a patient system

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Task3:

A diagram of a diagram

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