Use Case Descriptions
Group 3

Use Case	1. Rent a game
Summary	The Renter selects a game to rent
Actor	Renter
Precondition	The renter is registered and logged in to the system and has an active subscription.
Postcondition	A copy of the game is rented by the Renter and the process begins to send the physical copy to them.
Base Sequence	1. The renter browses the selection of games available for rent. 2. The renter selects the game they wish to rent 3. Confirm they would like to rent the selected game. 4. The game rental period begins on the game. 5. The game is added to the renter's list of rented games. 6. The game is shipped to the Renter's shipping address as specified in their profile. 7. The renter receives the physical copy of the game by mail. 8. The renter can play the game within the return period.
Branch Sequence	NO ACTIVE SUBSCRIPTION 1. The renter browses the selection of games available for rent. 2. The renter selects the game they wish to rent 3. Confirm they would like to rent the selected game. 4. Warning is given and the game is not rented
Exception Sequence	

Sub Use Case	Browsing the selection Viewing currently rented games
Note	Step 6-8 are handled externally

Use Case	2. Return rented games
Summary	The renter returns a rented game.
Actor	Renter
Precondition	The renter is signed up and logged into the system and has rented a game.
Postcondition	The renter does not have possession of the game.
Base Sequence	1. The Renter browses their currently rented games. 2. The Renter checked the rental periods of the games to see if they are within the time frame. 3. The Renter selects the game they wish to return. 4. The Renter confirms they would like to return the selected game. 5. The Renter is prompted to leave a game rating 6. The Renter receives the return address to ship the game to.
Branch Sequence	NO GAMES TO BE RETURNED YET 1. The Renter browses their currently rented games. 2. The Renter checked the rental periods of the games to see if they are within the time frame. 3. The Renter sees that it is not time to return any games.
Exception Sequence	The Renter chooses to not return any

	of their rented games.
Sub Use Case	Renter views their rented games
Note	

Use Case	6. Edit a game
Summary	The administrator changes information about the selected game
Actor	Administrator
Precondition	The selected game is in the inventory and user is logged in as an administrator
Postcondition	Old information about the game is changed to up to date information
Base Sequence	1. The Administrator browses the games in the inventory 2. The Administrator selects the game they wish to edit 3. The Administrator enters new information in the provided form and chooses if he wishes to apply the changes or cancel 4. The Administrator applies the changes 7. The Administrator is taken back to the inventory screen
Branch Sequence	CHOOSES TO CANCEL 3. The Administrator returns to the inventory screen and the game is not edited.
Exception Sequence	
Sub Use Case	Browsing the inventory
Note	The Administrator can cancel the editing at any point before applying

	the changes.

Use Case	7. Remove a game
Summary	The Administrator removes a game from inventory
Actor	Administrator
Precondition	The selected game is in the inventory
Postcondition	Selected game is no longer in inventory
Base Sequence	1. The Administrator browses the games in the inventory 2. The Administrator selects the game they wish to remove 3. The Administrator is asked if they are sure they wish to remove the selected game 4. The Administrator confirms the removal 5. The Administrator is taken back to the inventory screen
Branch Sequence	DOES NOT CONFIRM 3. The Administrator is taken back to the inventory screen and the game is not removed
Exception Sequence	Game is rented, message show up
Sub Use Case	Browsing the inventory
Note	Administrators can cancel the editing at any point before applying the changes.

Use Case	8. Renter sign up
Summary	The Renter registers into the system
Actor	Renter
Precondition	
Postcondition	Renter is able to log in to the system using their username and password
Base Sequence	1. The Renter inputs their name, date of birth, address, email, new username, new password and password confirmation into a given form. 2. Renter presses the sign up button 3. Renter is taken to the login screen
Branch Sequence	USERNAME IS ALREADY TAKEN BY ANOTHER RENTER OR THE PASSWORDS DO NOT MATCH OR THE RENTER IS NOT 13 OR MORE YEARS OF AGE 1. Renter inputs their name, date of birth, address, email, new username, new password and password confirmation into a given form. 2. User pressed the sign up button 3. User is given a warning and does not proceed to the login screen
Exception Sequence	
Sub Use Case	
Note	Users can cancel the signup proccess at any point before creating the account

Use Case	3. Add game to inventory
Summary	The Administrator adds a game to

	inventory
Actor	Administrator
Precondition	The administrator is logged into the system
Postcondition	Game is added to inventory
Base Sequence	1. The Administrator presses manage games. 2. The Administrator presses Add to add the game to inventory. 3. The Administrator fills out the given form. 4. The Administrator presses the confirm button. 5. The Administrator is taken back to the inventory screen.
Branch Sequence	NAME OR PRODUCER FIELDS ARE NOT FILLED OUT 1. The Administrator presses manage games. 2. The Administrator presses Add to add the game to inventory. 3. The Administrator fills out the given form . 4. The Administrator presses the confirm button. 5. The Administrator is given a warning and is not taken to the inventory screen
Exception Sequence	
Sub Use Case	
Note	

Use Case	4. Renter logs in
Summary	The Renter logs into the system
Actor	Renter
Precondition	The Renter has a existing account

Postcondition	The Renter logs into the system
Base Sequence	1. The renter enters a username. 2. The renter enters a password. 3. The username and password are verified. 4. The Renter is logged in and brought to their profile page.
Branch Sequence	NO ACCOUNT CREATED YET 1. The Renter enters a username. 2. The Renter enters a password. 3. Renter gets an error that the Renter does not exist and they are not taken to their profile page.
Exception Sequence	The Renter chooses to not log in and closes the program.
Sub Use Case	
Note	

Use Case	Browsing the selection
Summary	Renter views through the available games
Actor	Renter
Precondition	Renter is logged in
Postcondition	Renter is given a list of games that fit their chosen parameters
Base Sequence	1. The Renter presses the browse button on their profile screen 2. The Renter fills in the name of the game, its ESRB rating or platform. 3. Clicks the search button
Branch Sequence	

Exception Sequence	
Sub Use Case	
Note	

Use Case	5. Renter views their rented games
Summary	The renter views their rented games
Actor	Renter
Precondition	The Renter has rented a game.
Postcondition	List of that Renters games is shown
Base Sequence	1. The Renter logs into the system. 2. The Renter views their currently rented games on their profile page.
Branch Sequence	NO GAMES RENTED YET 1. The Renter logs into the system. 2. Renter sees that they have not rented any games yet.
Exception Sequence	
Sub Use Case	
Note	

Use Case	10. Terminating a user
Summary	Administrator removes a registered user
Actor	Administrator
Precondition	Administrator is logged in as such
Postcondition	Renter is removed from the system
Base Sequence	1. The Administrator presses the

	manage users button 2. The Administrator selects the user to be removed by clicking on them 3. The Administrator presses the remove button 4. They confirm their choice on the alert asking them if they are sure they want to remove that user
Branch Sequence	NO USER SELECTED 1. The Administrator presses the manage users button. 2. The Administrator selects the Renter to be removed by clicking on them. 3. The Administrator presses the remove button. 4. Warning is given that a Renter must be chosen first.
Exception Sequence	USER HAS A RENTED GAME 1. The Administrator presses the manage users button. 2. The Administrator selects the Renter to be removed by clicking on them. 3. The Administrator presses the remove button. 4. Warning is given that a Renter with an active game rental can not be removed
Sub Use Case	
Note	

Use Case	13. Refund request
Summary	Renter contacts an Administrator to report and issue with a payment
Actor	Renter
Precondition	Renter is registered and logged into the system
Postcondition	Renter account balance is changed

Base Sequence	1. The Renter presses the contact button on their profile screen 2. Contact information of the administrators will be displayed 3. The user writes an Email to one of the administrators requesting a refund
Branch Sequence	
Exception Sequence	
Sub Use Case	
Note	

Use Case	9. Change renter information
Summary	Renter contacts an Administrator to change their profile information
Actor	Renter
Precondition	Renter is registered and logged into the system
Postcondition	Renter data is edited on the system
Base Sequence	1. The Renter presses the contact button on their profile screen 2. Contact information of Administrators will be displayed 3. The Renter writes an Email to one of the Administrators stating that they wish to change their information and new information they want to be changed to
Branch Sequence	
Exception Sequence	

Sub Use Case	
Note	

Use Case	12. Renter paying subscription
Summary	Pay for subscription
Actor	Renter
Precondition	Renter is registered and logged into the system
Postcondition	Renter changes their account balance
Base Sequence	1. The Renter presses the payment button on their profile screen 2. The Renter presses the button to pay their subscription 3. The account balance is decreased by the 30
Branch Sequence	NOT ENOUGH FUNDS 1. The Renter presses the payment button on their profile screen 2. The Renter presses the button to pay their subscription 3. User is given a message that they do not have enough funds to pay for their subscription
Exception Sequence	
Sub Use Case	
Note	

Summary	15. Fine Renter
Actor	Administrator
Precondition	Renter is registered in the system.

	Administrator is logged in.
Postcondition	Renters balance is decreased.
Base Sequence	1. The Administrator presses the button to manage users. 2. Administrator selects the user that is to be fined and presses the edit button. 3. In the edit screen the Administrator writes how much should the user be fined and presses the fine button.
Branch Sequence	
Exception Sequence	
Sub Use Case	
Note	

Summary	16. Cancel user subscription
Actor	Admin
Precondition	User is registered in the system
Postcondition	Users subscription is canceled
Base Sequence	1. The administrator presses the button to manage users 2. Administrator selects the user whos subscription is to be canceled and presses the edit button 3. In the edit screen the admin presses the button to remove the subscription
Branch Sequence	
Exception Sequence	
Sub Use Case	

Note	

1. Rent a game
2. Return a game
3. Add game to inventory
4. Renter logs in
5. Renter views their rented games
6. Edit a game
7. Remove a game
8. Renter sign up
9. Change renter information
10. Terminating a user
11. Return game
12. Pay for subscription
13. Refund request
14. The user will look to the user guide to better understand how to get the most out of the rental service and to better understand the steps to use it. The user will use the table of contents at the start of the guide to determine where they need to begin to find the section that is relevant to their needs. The user will then navigate to that section and read through the steps needed to accomplish what they need.
15. Fine user
16. Cancel user subscription