

<b>ID:</b>	UC-01
<b>Name:</b>	Rent a movie
<b>Author:</b>	Lizeth Guadalupe Bello Peralta
<b>Last Updated:</b>	09-07-2025
<b>Description:</b>	This user case allows an EMPLOYEE to rent a movie to a specific CLIENT, considering factors such as available inventory units, the client's strike history, and other related validations.
<b>Actor(s):</b>	EMPLOYEE
<b>Trigger:</b>	The Employee clicks the "Rent" button
<b>Preconditions:</b>	PRE-1 At least one movie must be registered in the database
<b>Main Flow:</b>	<ol style="list-style-type: none"> <li>1. The system displays the "Search Client" window, prompting the employee to enter the client's name. It also shows two buttons: "Search" and "Go Back".</li> <li>2. The employee enters the client's name and clicks "Search" (see AF 2.1) (see AF 2.2) (see AF 2.3)</li> <li>3. The system retrieves from the database: <ol style="list-style-type: none"> <li>a. The client's information (ID, name),</li> <li>b. The selected movie's details (ID, name, availability),</li> <li>c. The waitlist for the movie (if any),</li> <li>d. The available promotions (ID, name, description).</li> </ol> <p>All this is displayed in the "Rent a Movie" window, with:</p> <ol style="list-style-type: none"> <li>e. A section labeled "Available Promotions" with a checkbox and an "Apply" button,</li> <li>f. A "Complete Rental" button,</li> <li>g. A "Go Back" button,</li> <li>h. And the total rental price <i>before</i> applying promotions.</li> </ol> <p>(see EX 1, AF 3.1, AF 3.2, AF 3.3)</p> </li> <li>4. The EMPLOYEE selects a promotion checkbox and clicks "Apply".</li> <li>5. The system applies the promotion(s) and updates the rental total in the same window</li> </ol>

	<ol style="list-style-type: none"> <li>6. The employee clicks the “Complete rental” button (see AF 2.1)</li> <li>7. The system stores the rental information in the database and displays the message “The rental has been completed, the client can now take the film home!” (see EX 1)</li> <li>8. Use case ends</li> </ol>
<b>Alternate Flow:</b>	<p>AF 2.1 The employee clicks the Go Back button</p> <ol style="list-style-type: none"> <li>1. The system closes the window</li> <li>2. Use case ends</li> </ol> <p>AF 2.2 The client is not registered</p> <ol style="list-style-type: none"> <li>1. The system shows an alert “The client is not registered in the system. Do you want to register them?” with two buttons “Accept” and “Cancel”.</li> <li>2. If the employee clicks “Accept”, extend use case UC-XX Register new client</li> <li>3. If the employee clicks “Cancel”, the use case ends</li> </ol> <p>AF 2.3 The client’s account is inactive</p> <ol style="list-style-type: none"> <li>1. The system shows an alert “The client doesn’t have the account activated” and two buttons, Accept and More Information</li> <li>2. If the employee clicks “Accept”, use case ends</li> <li>3. If the employee clicks on More Information, the system displays the reason for deactivation.</li> </ol> <p>AF 3.1 The movie has waitlist and the client is not in it</p> <ol style="list-style-type: none"> <li>1. The system shows a message “The movie is waitlisted and the client is not in there. Do you want to add the client?” with “Yes” and “No” buttons</li> <li>2. If the employee clicks “Yes”, extend use case UC-XX Add a client to the waitlist</li> <li>3. If the employee clicks “No”, use case ends</li> </ol> <p>AF 3.2 The movie is unavailable and the client is the next in the waitlist</p> <ol style="list-style-type: none"> <li>1. The system shows a message “The client is next in the waitlist, but there are no available copies at the moment. Please try again later” with the “Accept” button.</li> <li>2. If the employee clicks “Yes”, extend use case UC-XX Add a client to the waitlist</li> <li>3. If the employee clicks “No”, use case ends</li> </ol> <p>AF 3.3 Movie has waitlist but the client is not the next</p> <ol style="list-style-type: none"> <li>1. The system shows a message “The movie has a waitlist but the client is not the next to rent” and the “Accept” button.</li> <li>2. The employee clicks “Accept”</li> </ol>

	3. Use case ends.
<b>Exceptions:</b>	EX1. No database connection <ol style="list-style-type: none"> <li>1. The system shows the alert “Unable to connect to the database” with the “Close” button.</li> <li>2. The employee clicks “Close”</li> <li>3. The system close the current window</li> <li>4. Use case ends</li> </ol>
<b>Postconditions:</b>	POST1 – A movie has been successfully rented
<b>Business rules:</b>	BR-01 Rentals must respect the waitlist order
<b>Include:</b>	None
<b>Extends:</b>	UC-XX Add client to the waitlist

<b>ID:</b>	UC-02
<b>Name:</b>	Join the waitlist
<b>Author:</b>	Lizeth Guadalupe Bello Peralta
<b>Last Updated:</b>	09-07-2025
<b>Description:</b>	This user case allows a CLIENT to join the waitlist for a specific movie
<b>Actor(s):</b>	CLIENT
<b>Trigger:</b>	The CLIENT clicks the “Waitlist” button
<b>Preconditions:</b>	PRE-1 At least one movie must be registered in the database
<b>Main Flow:</b>	<ol style="list-style-type: none"> <li>1. The system displays the “<b>Current Waitlist</b>” window, showing a table with all CLIENTS currently on the waitlist for that movie. The table includes: <ol style="list-style-type: none"> <li>a. Name</li> <li>b. Application Date</li> <li>c. Estimated Rental Date</li> </ol> <p>The window also displays two buttons: “Join” and “Go Back”. (See EX 1)</p> </li> <li>2. The CLIENT clicks “Join” (see AF 2.1)</li> <li>3. The system displays a confirmation alert “Are you sure you want to join the waitlist? This action cannot be undone” with the “Accept” and “Cancel” buttons</li> <li>4. The CLIENT clicks “Accept” (see AF 2.1)</li> <li>5. The system stores the RESERVATION (applicationDate, estimatedRentalDate) information in the database and shows the client in the table.</li> <li>6. Use case ends</li> </ol>
<b>Alternate Flow:</b>	AF 2.1 The employee clicks the Go Back button

	<ol style="list-style-type: none"> <li>1. The system closes the window</li> <li>2. Use case ends</li> </ol>
<b>Exceptions:</b>	<p>EX1. No database connection</p> <ol style="list-style-type: none"> <li>5. The system shows the alert “Unable to connect to the database” with the “Close” button.</li> <li>6. The employee clicks “Close”</li> <li>7. The system close the current window</li> <li>8. Use case ends</li> </ol>
<b>Postconditions:</b>	POST1 – A client has been successfully added to the movie’s waitlist
<b>Business rules:</b>	BR-01 A client can join a movie’s waitlist regardless of its current availability
<b>Include:</b>	None
<b>Extends:</b>	None