

## UC 4: Use Case - Login Logout Operations

To login and logout	
Use Case	
Primary Actor	Customer
Goal	To be able to login and logout of a unique user profile
Preconditions	User has to be logged out, prompted to login
Postconditions	User is logged in, has option to log out
Main Flow	<ol style="list-style-type: none"><li>1. The user is welcomed to the home page of the website</li><li>2. In the top right of the home page, there's a login button where the user can interact with<ul style="list-style-type: none"><li>• if user clicks login button, user is brought to login page and prompted to login with their user credentials</li><li>• if user doesn't click login button, user remains on home page</li></ul></li><li>3. When the user is logged in, they gain access to their user account and ability to create reviews on movies</li><li>4. User has ability to log out once they're logged in, up to the users discretion to log out or not<ul style="list-style-type: none"><li>• if user logs out, user is returned to main menu and loses access to personal user account</li><li>• if user doesn't log out, user remains logged in with full access to personal user account and the ability to create reviews</li></ul></li></ol>
Alternate Flow	<ol style="list-style-type: none"><li>1. If the user enters incorrect credentials three times:<ul style="list-style-type: none"><li>• The system shall lock the account for a specified duration (e.g., 15 minutes).</li><li>• The system shall display a message informing the user that their account is temporarily locked due to multiple failed login attempts.</li><li>• After the lockout period expires, the user shall be allowed three additional attempts to log in with their credentials.</li></ul></li><li>2. If the user forgets their password:<ul style="list-style-type: none"><li>• The user shall see a prompt labeled "Forgot Password?" on the login page.</li><li>• Upon clicking "Forgot Password?", the user shall be directed to a password recovery page.</li><li>• The user shall enter their registered email address in the provided field.</li><li>• The system shall send a recovery email to the specified address with instructions to create a new password.</li><li>• The user shall follow the instructions in the email to reset their password and regain access to their account.</li></ul></li></ol>
Exceptions	<ol style="list-style-type: none"><li>1. <u>Username or password not found</u>: The user's account does not exist in the database or the username or password is not recognized.</li></ol>

2. Account locked or disabled: The user's account has been locked or disabled due to repeated failed login attempts.
3. Database connection errors: Problems connecting to the database can prevent the login or logout process from completing successfully.
4. Network or server errors: Issues with the server, network, or database can cause the login or logout process to fail.