

<b>Use Case Name:</b>	Login	
<b>Triggering Event:</b>	User wants to log into system	
<b>Brief Description:</b>	A user wants to log into system. The user types in his username and password in website.	
<b>Actors:</b>	User	
<b>Stakeholders:</b>	User	
<b>Preconditions:</b>	User account must exist	
<b>Postconditions:</b>	User is logged into system	
<b>Flow of Activities:</b>	<b>Actor</b>	<b>System</b>
	1. User selects login button. 2. User enters username and password in login page.	1.1 System generates login page 2.1 System validates user account.
<b>Exception Conditions:</b>	1.1. Login page is unavailable. 2.1. Username or password are incorrect, allow user to re-enter information..	
<b>Alternative flow</b>	None	

<b>Use Case Name:</b>	Logout	
<b>Triggering Event:</b>	User clicks logout button	
<b>Brief Description:</b>	A user wants to log out of the system. They hit a button available on any screen and the system loads the home screen. The user no longer has the privileges of a signed in user.	
<b>Actors:</b>	User	
<b>Stakeholders:</b>	User	
<b>Preconditions:</b>	User must be logged in	
<b>Postconditions:</b>	User is no longer logged into the system	
<b>Flow of Activities:</b>	<b>Actor</b>	<b>System</b>
	1. User selects logout button.	1.1 System forgets user credentials 1.2 Home page is displayed
<b>Exception Conditions:</b>	1.1. Website is not available	
<b>Alternative flow</b>	None	

<b>Use Case Name:</b>	Book Ticket	
<b>Triggering Event:</b>	A user wants to purchase a ticket.	
<b>Brief Description:</b>	A user logs into the system, selects a movie, submits their card information, and receives a confirmation.	
<b>Actors:</b>	User	
<b>Stakeholders:</b>	User	
<b>Preconditions:</b>	User account must exist. Movie must have at least one seat available.	
<b>Postconditions:</b>	A ticket is booked. One less seat is available.	
<b>Flow of Activities:</b>	<b>Actor</b>	<b>System</b>
	1. User enters their login. 2. User selects a movie. 3. User selects a seat. 4. User enters their card information. 5. User sees a confirmation on the screen.	1.1 System validates username and password. 2.1 System shows available seating. 3.1 System proceeds to checkout 4.1 System verifies card information. 5.1 System emails a confirmation of the booking.
<b>Exception Conditions:</b>	1.1 If new user, create an account. 1.1 If username and password are incorrect, system allows two more tries. 2.1 If no available seating, system would say 'show sold out' and show other available movies. 4.1 If card information is incorrect, system allows two more tries.	
<b>Alternative flow</b>	None	

<b>Use Case Name:</b>	Use Promo Code	
<b>Triggering Event:</b>	User wants to use a promotional code to get a movie discount	
<b>Brief Description:</b>	A user wants to use a promotional code. The user enters the code when purchasing a movie ticket while in the checkout page.	
<b>Actors:</b>	User	
<b>Stakeholders:</b>	User	
<b>Preconditions:</b>	Customer account must exist. Customer must be logged in. User must be subscribed to promotions and news.	
<b>Postconditions:</b>	User is able to purchase a discount ticket	
<b>Flow of Activities:</b>	<b>Actor</b>	<b>System</b>
	1. User logs in into system 2. User selects movie ticket and proceeds to checkout 3. User enters promotional code in checkout page. 4. User enters card information and buys discounted ticket.	1.1. System validates user account 2.1. System shows available movies and tickets and proceeds to checkout. 3.1. System validates promotional code. 4.1, System reduces price of ticket according to the promotional code and verifies card information
<b>Exception Conditions:</b>	1.1. If user information is invalid, allow user to reenter information. 2.1. If no available seating, system would say 'sold out' and show other available movies. 3.1. If the promotional code is invalid, then the system returns an 'invalid promo code' message.	
<b>Alternative flow</b>	None	

<b>Use Case Name:</b>	Order History	
<b>Triggering Event:</b>	A user wants to view their order history.	
<b>Brief Description:</b>	A user wants to see their order history. The user enters their login information. The user accesses the online account which shows the order history.	
<b>Actors:</b>	User	
<b>Stakeholders:</b>	User	
<b>Preconditions:</b>	User account must exist.	
<b>Postconditions:</b>	A page of order history is shown.	
<b>Flow of Activities:</b>	<b>Actor</b>	<b>System</b>
	1. User enters their login. 2. User clicks on their account and views the order history.	1.1 System validates username and password. 2.1 System accesses the user's account page.
<b>Exception Conditions:</b>	1.1 If new user, create an account. 1.1 If username and password are incorrect, system allows two more tries. 2.1 If no orders, system shows account page with no order history.	
<b>Alternative flow</b>	None	

<b>Use Case Name:</b>	View and modify profile	
<b>Triggering Event:</b>	User wants to view and/or modify profile information.	
<b>Brief Description:</b>	User wants to view and/or modify profile information. User will login and select view profile information.	
<b>Actors:</b>	User	
<b>Stakeholders:</b>	User	
<b>Preconditions:</b>	User must have an account. User must login.	
<b>Postconditions:</b>	Any profile modifications are saved.	
<b>Flow of Activities:</b>	<b>Actor</b>	<b>System</b>
	1. User clicks on their profile.	1.1 System generates profile page
<b>Exception Conditions:</b>	1.1 Profile page is unavailable	
<b>Alternative flow</b>	2. If user wishes to modify their profile, they can click on edit profile.	

<b>Use Case Name:</b>	Forget password	
<b>Triggering Event:</b>	User wants to log into the system	
<b>Brief Description:</b>	A user wants to log into the system. The user has forgotten their password. They get their password sent to them via email.	
<b>Actors:</b>	User	
<b>Stakeholders:</b>	User	
<b>Preconditions:</b>	User account must exist	
<b>Postconditions:</b>	User knows their password	
<b>Flow of Activities:</b>	<b>Actor</b>	<b>System</b>
	1. User selects login button 2. User selects forget password button 3. User types in their email and presses submit	1.1 System generates login page 2.1 System generates forget password page 3.1 System sends an email to the user with their password
<b>Exception Conditions:</b>	1.1 Login page is unavailable 1.2 Forget password page is unavailable 3.1 Email is incorrect or does not exist	
<b>Alternative flow</b>	None	

<b>Use Case Name:</b>	Subscribe to promotions	
<b>Triggering Event:</b>	User wants to be up-to-date on promotions	
<b>Brief Description:</b>	A user wants to be informed with promotions. The user enters their email to be added to the subscription list.	
<b>Actors:</b>	User	
<b>Stakeholders:</b>	User	
<b>Preconditions:</b>	User account must exist. User must be logged in. User must be unsubscribed to the promotion list.	
<b>Postconditions:</b>	User email is added to the promotion list	
<b>Flow of Activities:</b>	<b>Actor</b>	<b>System</b>
	1. User clicks on their account 2. User clicks subscribe	1.1 System accesses the user's account page 2.1 System shows a confirmation page that user email was added to subscription list
<b>Exception Conditions:</b>	1.1 Account page is unavailable	
<b>Alternative flow</b>	None	



<b>Use Case Name:</b>	Unsubscribe to promotions	
<b>Triggering Event:</b>	User wants to be removed from the promotion list	
<b>Brief Description:</b>	A user does not want to receive promotions anymore. The user enters their email to be removed from the subscription list.	
<b>Actors:</b>	User	
<b>Stakeholders:</b>	User	
<b>Preconditions:</b>	User account must exist. User must be logged in. User must be subscribed to the promotion list.	
<b>Postconditions:</b>	User email is removed from the promotion list	
<b>Flow of Activities:</b>	<b>Actor</b>	<b>System</b>
	1. A registered user indicated on their account that they would like to unsubscribe from promotion emails and newsletters. 2. A confirmation email is sent to let the user know they no longer be receiving promotional emails and newsletters. 3. When a new promotion is added, the user doesn't receive an email containing the promotion information.	1.1 When the user makes a request to be removed from the promotions list, the system removes the user from the list. 2.1 The system sends a confirmation email saying the user is no longer on the promotion list. 3.1 When a new promotion is added, the user doesn't receive an email containing the promotion.
<b>Exception Conditions:</b>	1.1 Account page is unavailable	
<b>Alternative flow</b>	None	

<b>Use Case Name:</b>	Create account	
<b>Triggering Event:</b>	A user wants to create an account in order to book a ticket.	
<b>Brief Description:</b>	A user wants to create an account.	
<b>Actors:</b>	User	
<b>Stakeholders:</b>	User, Sales, Accounting	
<b>Preconditions:</b>	User does not have an account	
<b>Postconditions:</b>	The user's new account has been created and a confirmation email has been sent.	
<b>Flow of Activities:</b>	<b>Actor</b>	<b>System</b>
	1. The unregistered user gives their email address, password, and first and last names. They may optionally give their home address, phone number, and payment information. 2. A page appears asking for verification code. 3. A confirmation email containing a unique verification code is sent to the email address given. 4. The user enters the verification code into the field on the verification page. 5. The user is given a unique ID tied to their email address that they may use to login. 6. The registered account can then be accessed using the ID or the email address given in order to browse movies and purchase tickets.	1.1 The system saves the account information given by the user. 2.1 The system sends a verification code to the email address given. 3.1 The system creates a unique ID tied to the email address when the correct verification code is given by the user. 4.1 The system allows the user to login with these credentials.
<b>Exception Conditions:</b>	1.1 If the verification code is incorrect, do not create account and request the user input a different code. 1.2 The user can request a new verification code be sent to the email address given.	
<b>Alternative flow</b>	None	

<b>Use Case Name:</b>	Pull report	
<b>Triggering Event:</b>	Administrator wants to pull a report	
<b>Brief Description:</b>	The administrator wants to generate reports so that they can have accurate user data.	
<b>Actors:</b>	Administrator	
<b>Stakeholders:</b>	Administrator	
<b>Preconditions:</b>	The system has user's and have collected sufficient data about those users.	
<b>Postconditions:</b>	A report was generated for the administrator.	
<b>Flow of Activities:</b>	<b>Actor</b>	<b>System</b>
	1. When the administrator wishes to generate a report, accurate statistics of user data is displayed on the screen. 2. Statistics are able to be filtered by pre-defined categories.	1.1 The system will generate a report with accurate user data for the administrator and allow the admin to filter by pre-defined categories.
<b>Exception Conditions:</b>	1.1 If the system has no users, inform the administrator there are no users and therefore no user data. 1.2 If the system has an error collecting data, inform the administrator that the user data is corrupted and why this occurred.	
<b>Alternative flow</b>	None	

<b>Use Case Name:</b>	Browse/filter titles	
<b>Triggering Event:</b>	User wants to view different movies	
<b>Brief Description:</b>	The user wants to browse and filter though different movies.	
<b>Actors:</b>	User	
<b>Stakeholders:</b>	User, System Admin	
<b>Preconditions:</b>	The movie library is populationed with various titles across multiple genres.	
<b>Postconditions:</b>	The user has searched/filtered the movie library to find the movie they were looking for.	
<b>Flow of Activities:</b>	<b>Actor</b>	<b>System</b>
	1. The user selected if they wish to see movies that are currently in the theatre or coming soon. 2. A page displaying the title, rating, and trailer of all applicable movies according to user's choice.	1. The system show the user a page displaying the title, rating, and trailer of all applicable movies according to user's choice.
<b>Exception Conditions:</b>	1.1 If there is no movies applicable to the user's search criteria, the system tells the user no movies were found pertaining to their choice.	
<b>Alternative flow</b>	None	

<b>Use Case Name:</b>	Refund	
<b>Triggering Event:</b>	Customer wants to return ticket	
<b>Brief Description:</b>	Customer has decided they no longer want to watch the movie and return the ticket. System administers refund to customer's account and makes seat available to other users	
<b>Actors:</b>	Customer	
<b>Stakeholders:</b>	Customer, Accounting, Sales	
<b>Preconditions:</b>	Customer must have a valid user account Customer must be logged in Customer must have valid ticket	
<b>Postconditions:</b>	Customer is reimbursed for price of ticket Seat the ticket was for is available for becomes available for other users	
<b>Flow of Activities:</b>	<b>Actor</b>	<b>System</b>
	1. User selects their account. 2. User selects the order that they want to be refunded.	1.1 System generates the user's account page and shows the order history. 2.1 System generates confirmation page. 2.2 System refunds money back into user's account. 2.3 System makes the seat from the order available again.
<b>Exception Conditions:</b>	1.1 If no orders, system shows account page with no order history.	
<b>Alternative flow</b>	None	

<b>Use Case Name:</b>	Administrator Add Promo Code	
<b>Triggering Event:</b>	The administrator adds a promotion to a specific movie.	
<b>Brief Description:</b>	The administrator wants to add a promotion in order to offer customers discounts.	
<b>Actors:</b>	Administrator	
<b>Stakeholders:</b>	User, Administrator	
<b>Preconditions:</b>	The administrator can view a movie he wishes to add a promotion too.	
<b>Postconditions:</b>	The movie has increased/decreased in price to reflect the promotion that has been added.	
<b>Flow of Activities:</b>	<b>Actor</b>	<b>System</b>
	1. An email is sent to customers on the promotions list containing the promo code and the details of the promotion. 2. When entered, the promo code takes a given percentage off the price.	1. The system sends a email to customers on the promotions list containing the promo code and the details of the promotion. 2. When the user enters the promo code, a percentage determined by the administrator is taken off the price.
<b>Exception Conditions:</b>	1.1 If the user entered the incorrect promo code, it does not discount the price.	
<b>Alternative flow</b>	None	

<b>Use Case Name:</b>	Change ticket cost	
<b>Triggering Event:</b>	Price of a film's ticket has changed	
<b>Brief Description:</b>	The pricing of one or more tickets has changed and the administrator needs to update them within the system	
<b>Actors:</b>	Administrator	
<b>Stakeholders:</b>	User, Administrator	
<b>Preconditions:</b>	The administrator is logged in. The administrator can view the current ticket prices.	
<b>Postconditions:</b>	The price of the movie was modified by the administrator.	
<b>Flow of Activities:</b>	<b>Actor</b>	<b>System</b>
	1. The administrator selects a movie 2. The administrator clicks edit 3. The administrator enters the new information and submits	1.1 System accesses movie page 2.1 System accesses edit page 3.1 System accesses movie page with new information
<b>Exception Conditions:</b>	1.1 Movie page is unavailable 2.1 Edit page is unavailable 3.1 Movie page is unavailable	
<b>Alternative flow</b>	None	

<b>Use Case Name:</b>	Add movie	
<b>Triggering Event:</b>	Movie has been released and needs to be added to the list	
<b>Brief Description:</b>	A new movie has been released and the administrator needs to add it to the list within the system	
<b>Actors:</b>	Administrator	
<b>Stakeholders:</b>	Administrator, Customers, Sales	
<b>Preconditions:</b>	The administrator is logged in. Collection of movies does not contain new film information.	
<b>Postconditions:</b>	New film information appears within the system and is visible to users	
<b>Flow of Activities:</b>	<b>Actor</b>	<b>System</b>
	1. The administrator accesses the current movie list. 2. The administrator selects edit. 3. The administrator enters movie title, description, rating, and showtimes and clicks submit.	1.1 The system shows the current movie list. 2.1 The system shows the current movie list with edit options. 3.1 The system adds the movie.
<b>Exception Conditions:</b>	3.1 Syntax error of movie info added by administrator.	
<b>Alternative flow</b>	None	



<b>Use Case Name:</b>	Update movie	
<b>Triggering Event:</b>	Movie information needs to be changed	
<b>Brief Description:</b>	A movie has different showtimes or other information that needs to be updated and the administrator needs to update the listing	
<b>Actors:</b>	Administrator	
<b>Stakeholders:</b>	Administrator, Customers, Sales	
<b>Preconditions:</b>	The administrator is logged in. Select movie has old information.	
<b>Postconditions:</b>	Select movie has new information and is visible to users.	
<b>Flow of Activities:</b>	<b>Actor</b>	<b>System</b>
	1. The administrator accesses the current movie list. 2. The administrator selects edit. 3. The administrator changes the old information to the new information.	1.1 The system shows the current movie list. 2.1 The system shows the current movie list with edit options. 3.1 The system updates the movie to the new changes.
<b>Exception Conditions:</b>	3.1 Syntax error of movie info changed by administrator.	
<b>Alternative flow</b>	None	

<b>Use Case Name:</b>	Delete movie	
<b>Triggering Event:</b>	Movie has expired and needs to be removed from the list	
<b>Brief Description:</b>	A movie has been available for the maximum amount of time and the administrator needs to remove it from the list.	
<b>Actors:</b>	Administrator	
<b>Stakeholders:</b>	Administrator, Customers, Sales	
<b>Preconditions:</b>	The administrator is logged in. Select movie is in the current movie list.	
<b>Postconditions:</b>	Select movie is no longer in the current movie list.	
<b>Flow of Activities:</b>	<b>Actor</b>	<b>System</b>
	1. The administrator accesses the current movie list. 2. The administrator selects edit. 3. The administrator finds the movie to be removed and selects 'remove'.	1.1 The system shows the current movie list. 2.1 The system shows the current movie list with edit options. 3.1 The system removes the movie from the current movie list.
<b>Exception Conditions:</b>	1.1 Movie page is unavailable	
<b>Alternative flow</b>	None	

<b>Use Case Name:</b>	Add employee	
<b>Triggering Event:</b>	An employee needs to be added to the system.	
<b>Brief Description:</b>	A new employee is hired. The administrator needs to add him to the system.	
<b>Actors:</b>	Administrator	
<b>Stakeholders:</b>	Administrator	
<b>Preconditions:</b>	The administrator is logged in. The new employee is not in the system.	
<b>Postconditions:</b>	The employee is in the system and is given certain authorizations by the administrator.	
<b>Flow of Activities:</b>	<b>Actor</b>	<b>System</b>
	1. The administrator accesses the employee page. 2. The administrator selects edit. 3. The administrator enters employee information and clicks submit.	1.1 The system shows the current employee list. 2.1 The system shows the current employee list with edit options. 3.1 The system adds the employee to the list.
<b>Exception Conditions:</b>	3.1 Syntax error of employee information added by administrator.	
<b>Alternative flow</b>	None	

<b>Use Case Name:</b>	Delete employee	
<b>Triggering Event:</b>	An employee needs to be removed from the system.	
<b>Brief Description:</b>	An employee leaves the company. The administrator needs to remove the employee from the system.	
<b>Actors:</b>	Administrator	
<b>Stakeholders:</b>	Administrator	
<b>Preconditions:</b>	The administrator is logged in. The employee is in the system.	
<b>Postconditions:</b>	The employee is no longer in the system.	
<b>Flow of Activities:</b>	<b>Actor</b>	<b>System</b>
	1. The administrator accesses the employee page. 2. The administrator selects edit. 3. The administrator finds the employee to be removed and clicks 'remove'.	1.1 The system shows the current employee list. 2.1 The system shows the current employee list with edit options. 3.1 The system removes the employee from the list.
<b>Exception Conditions:</b>	1.1 Employee page is unavailable	
<b>Alternative flow</b>	None	

<b>Use Case Name:</b>	Update employee	
<b>Triggering Event:</b>	An employee needs to be updated in the system.	
<b>Brief Description:</b>	An employee's information has changed. The administrator needs to update the information in the system.	
<b>Actors:</b>	Administrator	
<b>Stakeholders:</b>	Administrator	
<b>Preconditions:</b>	The administrator is logged in. The employee's old information is in the system.	
<b>Postconditions:</b>	The employee's new information is in the system.	
<b>Flow of Activities:</b>	<b>Actor</b>	<b>System</b>
	1. The administrator accesses the employee page. 2. The administrator selects edit. 3. The administrator changes the old information to the new information.	1.1 The system shows the current employee list. 2.1 The system shows the current employee list with edit options. 3.1 The system updates the employee to the new changes.
<b>Exception Conditions:</b>	3.1 Syntax error of employee info changed by administrator.	
<b>Alternative flow</b>	None	

# Cinema E-Booking System





