

Use Cases

Purpose

This document serves to identify certain uses of the software. It will outline certain task a user can do within the system. It will describe the normal course of action for each action and provide an alternate course if the normal course of action cannot be completed. Likewise, the purpose of a use case is to model a certain interaction the user will have with the system.

Use Case One

Use Case ID:	001		
Use-Case Name:	Customer Registers		
Created By:	Justyn Rippie	Last Updated By:	
Date Created:	2/23/2022	Date Last Updated:	
Actors:	Customers		
Description:	The customer will need to register with the booking system by providing their: first name, last name, email address, phone number, date of birth. By registering with the booking system, this allows them to complete a purchase and allow an administration to run reports on ticket sales.		
Preconditions:	None		
Postconditions:	User will be able to select tickets and purchase tickets.		
Priority:	High		
Frequency of use:	Low		
Normal Course of Events:	A new customer will visit the booking systems and will require them to create an account in order purchase tickets.		
Alternative Courses:	If a customer tries to create a preexisting account, the system will notify the user of their account and ask them to log in to complete the purchase.		
Exceptions:	None		
Includes:	None		
Special Requirement	None		
Assumptions:			
Notes and Issues:	N/A		

Use Case Two

Use Case ID:	002		
Use-Case Name:	Customer adds ticket to shopping cart		
Created By:	Justyn Rippie	Last Updated By:	
Date Created:	2/23/2022	Date Last Updated:	
Actors:	Customers		
Description:	A customer will be presented with a list of plays with and the dates they are showing. They will then click on the name of the play to select tickets and be presented with the theater seats to choose a seat(s). When they click on a seat(s) they will be asked if they want to add this to their shopping cart. A customer will be able to do this for different plays.		
Preconditions:	A customer must have a registered account with the booking system.		
Postconditions:	A customer can proceed to checkout		
Priority:	High		
Frequency of use:	High		
Normal Course of Events:	A customer will be able to add several seats associated with any show to their shopping cart.		
Alternative Courses:	If the customer does not have an account, the system will redirect them to create an account to purchase tickets and explain why this is necessary.		
Exceptions:	None		
Includes:	None		
Special Requirement	A customer needs an account with the system.		
Assumptions:	A user will have already a registered account with the system.		
Notes and Issues:	N/A		

Use Case Three

Use Case ID:	003		
Use-Case Name:	Customer Completes Purchase		
Created By:	Justyn Rippie	Last Updated By:	
Date Created:	2/23/2022	Date Last Updated:	
Actors:	Customers		
Description:	Once a customer has selected the seats for the plays they wish to attend, they complete their purchase by clicking check out in their shopping cart. The user will then provide a payment method (credit card) to complete their purchase.		
Preconditions:	A user must have a preexisting account.		
Postconditions:	User's cart will be emptied, and seats will be sold.		
Priority:	High		
Frequency of use:	High		
Normal Course of Events:	A normal check out will result in a successful transaction of the customers seats for the play(s). The system will notify the user of the successful transaction and email them a receipt of their purchase and information the seats and play. The users shopping cart will then be cleared.		
Alternative Courses:	If the payment method is denied, the system should alert the user if the transaction fails and not complete the purchase and allow them to try to enter their payment method again. All items in the cart should remain.		
Exceptions:	None		
Includes:	None		
Special Requirement	None		
Assumptions:	The user will already have an existing account		
Notes and Issues:	N/A		

Use Case Four

Use Case ID:	004		
Use-Case Name:	Theater Admin can create play		
Created By:	Justyn Rippie	Last Updated By:	
Date Created:	2/26/2022	Date Last Updated:	
Actors:	Theater Admin		
Description:	A theater admin will log into the administrator side of the system. They will then be able to select an option to create a new play and edit the following: show times/dates, seat prices, title, description.		
Preconditions:	Must be a Theater Admin User		
Postconditions:	A new play is added to the		
Priority:	High		
Frequency of use:	High		
Normal Course of Events:	A new play will be added to the system and stored into the database. The customer will and theater admin will be able to view the newly created show.		
Alternative Courses:	If the show ID in the database already exists, the system should alert the user that the show exists and present the name and show ID.		
Exceptions:	None		
Includes:	None		
Special Requirement	None		
Assumptions:	The theater admin will be trained on how to perform this action		
Notes and Issues:	N/A		

Use Case Five

Use Case ID:	005		
Use-Case Name:	Theater Admin Updates Show		
Created By:	Justyn Rippie	Last Updated By:	
Date Created:	2/26/2022	Date Last Updated:	
Actors:	Theater Admin		
Description:	A theater admin will log in into the Administrator side of the system and have an option to update any information for any show. This will include updating: show times/dates, seat prices, title, description		
Preconditions:	Must be a Theater Admin User		
Postconditions:	A show will update the selected information the theater admin updates		
Priority:	High		
Frequency of use:	Medium		
Normal Course of Events:	The selected show fields will be updated from what the theater admin changes. The system should ask the user if they are sure they want to update before database is written with new information.		
Alternative Courses:	If any action fails, the system should not update the database and keep the old information.		
Exceptions:	None		
Includes:	None		
Special Requirement	None		
Assumptions:	A theater admin will have training on this selected action		
Notes and Issues:	N/A		

Use Case Six

Use Case ID:	006		
Use-Case Name:	Theater Admin Deletes Show		
Created By:	Justyn Rippie	Last Updated By:	
Date Created:	2/26/2022	Date Last Updated:	
Actors:	Theater Admin		
Description:	A theater admin will have the option to delete a show. The delete option will remove the show from the system and the database.		
Preconditions:	Must be a Theater Admin User		
Postconditions:	A show will update the selected information the theater admin updates		
Priority:	High		
Frequency of use:	Medium		
Normal Course of Events:	The system will locate the show name and remove it from the system. The theater admin will receive a warning they're about to delete and ask if they want to proceed. If yes, the system will remove the show; the theater admin will receive a notification the show was removed. If the theater admin selects no, the system will not remove the show.		
Alternative Courses:	If the system cannot locate or delete the show, the system should do nothing and inform the theater admin that deletion cannot be performed, or the show name cannot be found.		
Exceptions:	None		
Includes:	None		
Special Requirement	None		
Assumptions:	A theater admin will have training on this selected action		
Notes and Issues:	N/A		

Use Case Seven

Use Case ID:	007		
Use-Case Name:	Theater Admin Generates Sales Script		
Created By:	Justyn Rippie	Last Updated By:	
Date Created:	2/26/2022	Date Last Updated:	
Actors:	Theater Admin		
Description:	A theater admin has an option to generate a report on ticket sales. The report will include the show name. The report will tell the theater admin the number of seats sold and the revenue generated. They should also see how many tickets are left.		
Preconditions:	Must be a Theater Admin User		
Postconditions:	The report will be generated and presented to the theater admin.		
Priority:	High		
Frequency of use:	High		
Normal Course of Events:	The report will list the show name, number seats sold, the total amount revenue generated for the show, and the number of seats left. The report should include the seat number sold and seat number left.		
Alternative Courses:	If the report cannot be generated, the system should alert the user with an error to report back to vendor so they may contact support.		
Exceptions:	None		
Includes:	None		
Special Requirement	None		
Assumptions:	A theater admin will have training on this selected action		
Notes and Issues:	N/A		