



UC Reference Name:	login
Overview:	This is used for customers to login their user account to proceed their actions.
Related use case:	Select concert, view all concerts
Actors:	Customer
Pre-Conditions:	The customer has valid user account with username and password to proceed.
Post-Conditions:	The user accesses the account page.

UC Reference Name:	select concert
Overview:	The user selects a specific concert to proceed the action from the concert list with concert's details.
Related use case:	Check ticket cost, view seat layouts, book seats, view booking details, view all concerts.
Actors:	Customer
Pre-Conditions:	The customer successfully logged into the account and the program shows all concerts to the customer.
Post-Conditions:	The chosen concert will display its details with availabilities.

UC Reference Name:	view all concerts
Overview:	The user views all the available concerts from the concert list.
Related use case:	Login, update ticket prices
Actors:	Customer, administrator
Pre-Conditions:	The customer successfully logged into the account, the administrator will be able to see all concerts.
Post-Conditions:	All concerts are shown to the users.

UC Reference Name:	check ticket cost
Overview:	The user will be able to check the price of the ticket after selecting a specific concert.
Related use case:	Select concert
Actors:	Customer
Pre-Conditions:	The customer selected one specific concert to proceed.
Post-Conditions:	The interface displays the price of the ticket in different locations and types.

UC Reference Name:	view seat layouts
Overview:	The user will be able to see the seat layouts of a specific concert.
Related use case:	Select concert
Actors:	Customer
Pre-Conditions:	The customer selects one specific concert to proceed.
Post-Conditions:	The interface displays the seat layouts of a specific concert.

UC Reference Name:	book seats
Overview:	The user uses the interface to book seats for a specific concert.
Related use case:	Select concert, make payments
Actors:	Customer
Pre-Conditions:	The customer selects one specific concert to proceed.
Post-Conditions:	The customer selects the wanted seats to proceed and the program will calculate and return the price of the selected seats.

UC Reference Name:	make payment
Overview:	The user uses the program to make payments to secure the tickets.
Related use case:	Book seats
Actors:	Customer
Pre-Conditions:	The customer selected the wanted seats to proceed.
Post-Conditions:	The customer successfully makes the payments that secures all the selected seats.

UC Reference Name:	view booking details
Overview:	The user uses the program to check the paid tickets.
Related use case:	Select concert, view bookings
Actors:	Customer
Pre-Conditions:	The customer selected one specific concert to proceed.
Post-Conditions:	The interface shows all bookings of a selected concert of a customer.

UC Reference Name:	update ticket prices
Overview:	The program allows the administrator to change ticket prices of concerts.
Related use case:	View all concerts
Actors:	Administrator
Pre-Conditions:	The program displays all the concerts to the administrator. For concerts that are not fully sold, the administrator could release lower price to boost up sales if needed.
Post-Conditions:	The updated prices of tickets will be stored in the program.

UC Reference Name:	view bookings
Overview:	The program will show all the bookings of concerts to the administrator.
Related use case:	View booking details
Actors:	Administrator
Pre-Conditions:	The program is in administrator mode.
Post-Conditions:	All the booking of concerts will be shown, the administrator could select specific booking of a concert and the relevant details.

UC Reference Name:	add concert
Overview:	The program will allow the administrator to add new concerts to the system.
Related use case:	Administrator
Actors:	Administrator
Pre-Conditions:	The program is in administrator mode with concert details.
Post-Conditions:	The newly added concert will be stored in the concert list.

UC Reference Name:	view total payments
Overview:	The program will allow the administrator to check all payments of a concert.
Related use case:	Administrator
Actors:	Administrator
Pre-Conditions:	The program is in administrator mode.
Post-Conditions:	The total payment is shown to the administrator.

UC Reference Name:	add customer
Overview:	The program will allow the administrator to add customer and the account to the list of customers
Related use case:	Administrator
Actors:	Administrator
Pre-Conditions:	The program is in administrator mode with customer details.
Post-Conditions:	The new customer is added to the customer list.

UC Reference Name:	add booking
Overview:	The program will allow the administrator to add booking to the list of bookings.
Related use case:	Administrator
Actors:	Administrator
Pre-Conditions:	The program is in administrator mode with booking details.
Post-Conditions:	The new booking is added to the booking list.

UC Reference Name:	edit seat
Overview:	This is used for customers to change their seats of current purchased ticket
Related use case:	View booking details
Actors:	Customer
Pre-Conditions:	The customer has their booking details.
Post-Conditions:	The user successfully changed their seats of a concert.

UC Reference Name:	cancel booking
Overview:	The user cancels an existing booking from the account.
Related use case:	View booking details
Actors:	Customer
Pre-Conditions:	The customer has their booking details.
Post-Conditions:	The user successfully cancelled their seats of a concert with refund.