

Test Plan Description

1. Book Ticket

The Book Ticket class represents a single ticket for a specific seat in a specific theater for a specific showing of a movie. It has attributes NumOfTicketsAvailable, MovieName, ShowNo, Date, Time, and Venue which represents the number of tickets available for purchase, the showing/name of the movie for which the ticket is being purchased, and the date, time and venue of the ticket. The Book Ticket class has an operation UpdateSeatsAvailable() which returns whether a specific seat is available for booking.

2. Make Payment

The Make Payment class represents a payment made by a customer for a ticket purchase. It has attributes amount, TransactionId, and UserId which represent the amount paid for the ticket, the method of payment used, and the user's information. The Make payment class has an operation ConfirmsTransaction() and ReturnMoneyOnCancelation() which returns a confirmation message if the transaction goes through and money back if the transaction is unsuccessful.

3. Registered User

The Register User class represents the process of registering a new user in the system. It has attributes id, name, PhNo, and adress which represent the username, name, phone number and email address of the user being registered. The Register User class has operations Login(), Logout(), ViewMovies(), BookTicket(), MakePayment(), and CancelTicket(). These operations allow a new user to log in and out of their account, and then booking and paying for a ticket.