

Description of Operations/Functions Available in Movie Class: (Amara Duru)

- UpdateDetails()
 - Function: allows the updating of information; public void function
 - Precondition: values that are needed to change movieTitle, movieShowingTime, and venue can be accessed by this function.
 - Postcondition: movieTitle, movieShowingTime, and venue all contain values.

Description of Operations/Functions Available in Admin Class:

- AddMovieRecords()
 - Function: adds movie records; public void function
 - Precondition: movieTitle, movieShowingTime, and venue all contain values (char)
 - Postcondition: new movie record has been added
- UpdateMovieRecords() and DeleteMovieRecords()
 - Function: updates or deletes movie records; public void functions
 - Precondition: AddMovieRecords() has been instantiated
 - Postcondition: movie record has been updated or deleted

Description of Operations/Functions Available in Customer Class:

- Login() and LogOut()
 - Function: allows user to log in or log out; public void functions
 - Precondition: to logout, Login() must be instantiated
 - Postcondition: user has either logged in or logged out
- ViewMovies()
 - Function: allows user to view movies; public void function
 - Precondition: movieTitle (char), venue (char), and movieShowingTime must contain values
 - Postcondition: user is able to view movie
- BookTicket() and CancelTicket()
 - Function: allows user to book or cancel tickets; public void functions
 - Precondition: movieTitle, venue, and movieShowingTime must contain values
 - Postcondition: user has booked or canceled ticket
- MakePayment()
 - Function: allows user to make a payment; public void function
 - name, id (char), phoneNum (integer), and address (char) all contain values
 - Postcondition: user has made a payment

Description of Operations/Functions Available in Booking Class:

- UpdateSeatAvailability()
 - Function: updates the number of seats available by subtracting from or adding to ticketAvailability (int); public void function
 - Precondition: All Booking variables must contain values
 - Postcondition: ticketAvailability has been changed, and the number of available seats has been updated

Description of Operations/Functions Available in Visitor Class:

- Registered()
 - Function: displays whether or not a user is registered; public void function
 - Precondition: user is not registered
 - Postcondition: allows user to enter values and create an account, user is registered and information can be inputted into Login() in Customer class
- ViewMov()
 - Function: checks Registered() before allowing a user to view a movie; public void function
 - Precondition: user has accessed Registered(), all variables in Movie class contain values
 - Postcondition: user is able to view movie

Description of Operations/Functions Available in MakePayment Class:

- TransacConfirmed():
 - Function: sends confirmation message to user after a transaction has occurred; public void function
 - Precondition: user must be registered, all variables in Customer class should contain a value.
 - Postcondition: transacID (int) contains a value
- ReturnMoneyCancel():
 - Function: Cancels transaction (updates transacID to a new integer) and returns money to user; public void function
 - Precondition: TransacConfirmed() has been previously called, transacID (int) contains a value
 - Postcondition: transacID has been updated, user has had money returned to them