1

|  |
| --- |
| **Seat** |
| Id: char  Row: Integer  Availability: Integer |
|  |

|  |
| --- |
| **Customer Interface** |
|  |
| getUsername() |

|  |
| --- |
| **Seat Reservation Manager** |
|  |
|  |

1

|  |
| --- |
| **Ticket** |
| Id: char  Location: char  Movie: char  Seat: Seat |
|  |

|  |
| --- |
| **Customer** |
| Id: char  Username: char  Password: char  Location: Char |
| signUp()  login()  logout()  browseMovies()  bookTicket()  makePayment()  cancelReservation() |

1

1 Book 1

|  |
| --- |
| **Seat Reservation** |
|  |
| addSeat()  deleteSeat()  assignSeat |

|  |
| --- |
| **Movie** |
| Id: char  MovieName: char  DateAndTime: DateTime  Location: char |
| getName()  getLocations()  getDateAndTime()  getSeats() |

1

\* View

1

Make

|  |
| --- |
| **Payment** |
| Id:Char  UserId: Char  Total: float  TransactionNumber: Integer |
| ConfirmPayment()  CancelPayment() |

1

\*

Update

|  |
| --- |
| **Admin** |
| Id: Char  Username: Char  Password: Char |
| UpdateMovie()  AddMovie()  DeleteMovie() |

**User Interface**

**Login, Sign Up**

**Search, Booking**

**Payment**

**Databases**

Sequence Diagram for updating movies

Display

Login

Select Update

UpdateDatabase()

UpdateView()

GetData()

UpdateItem()

SaveChanges()

Select Edit

Admin

Database

Home Page

UI Controller

Sequence Diagram for booking a ticket

Select Reservation View

Customer

Payment

Book Ticket

View Movies

Reservation Page

CancelPayment()

ConfirmReturn()

Confirmation()

Verify()

ChooseMovie()

BookTicket()

MakePayment()