

Use Case: Sign up to use the reservation system

| Step | User's Action | System's Response |
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| 1 | The customer starts the Theater Reservation System. | |
| 2 | | The system presents the customer with the option to sign in, sign up or exit. |
| 3 | The customer chooses to sign up with a certain username. | |
| 4 | | The system checks to make sure that username has not already been taken. |
| 5 | The customer chooses a password. | |
| 6 | | The system saves the new customer's account information to be used in the future. |

Use Case: Make a reservation

| Step | User's Action | System's Response |
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| 1 | The user signs in to the reservation system. | |
| 2 | | The system presents the customer with a menu that allows the customer to reserve, view, or cancel reservations. |
| 3 | The customer chooses to make a reservation. | |
| 4 | | The system asks the customer for the date and time of the preferred show. |
| 5 | The customer enters their preferred show date and time. | |
| 6 | | The system presents the customer with all the possible seats for that show. |

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| 7 | The customer chooses a seat that they would like to reserve. | |
| 8 | | The system reserves that seat. |
| 9 | | The system asks the customer for seat numbers until they choose to sign out. |
| 10 | The customer signs out. | |
| 11 | | The system presents the customer with a receipt of all the reserved seats made in that session. |
| 12 | | The system allows the customer to sign in, have another user sign in, or exit the system. |
| 13 | The customer exits the system. | |
| 14 | | The system stores any new reservations made in this session. |

Use case: View reservations

| Step | User's Action | System's Response |
|------|--|---|
| 1 | The customer signs in to the reservation system. | |
| 2 | | The system presents the customer with a menu that allows the customer to reserve, view, or cancel reservations. |
| 3 | The customer chooses to view their reservations. | |
| 4 | | The system shows the user a list of all their reserved seats along with the respective show date and time. |
| 5 | The customer leaves the view mode. | |
| 6 | | The system presents the customer with the menu to reserve, view, cancel until the |

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| | | customer chooses to sign out. |
| 7 | The customer signs out and exits the reservation system. | |
| 8 | | The system saves any changes made to reservations. |

Use case: Cancel reservation

| Step | User's Action | System's Response |
|------|--|---|
| 1 | The user signs in to the reservation system. | |
| 2 | | The system presents the customer with a menu that allows the customer to reserve, view, or cancel reservations. |
| 3 | The customer chooses to cancel a reservation. | |
| 4 | | The system asks the customer to enter the show date and time for which they would like to cancel a reservation. |
| 5 | The customer enters the show date and time. | |
| 6 | | The system presents the customer with a list of all their reserved seats for that show. |
| 7 | The customer enters the seat numbers that they would like to cancel. | |
| 8 | | The system cancels these reservations and makes these seats available again. |
| 9 | The customer signs out and exits the system. | |
| 10 | | The system saves any changes made to reservations. |